

**BEFORE THE HON'BLE CENTRAL ELECTRICITY REGULATORY
COMMISSION, NEW DELHI.
PETITION NO. /TL/2024**

IN THE MATTER OF:

Petition under Section 14, 15 and 79(1)(e) of the Electricity Act, 2003 read with the Central Electricity Regulatory Commission (Procedure, Terms and Conditions for Grant of Transmission License and other related matters) Regulations, 2009 for grant of transmission license to Neemrana II Kotputli Transmission Limited.

AND

IN THE MATTER OF:

Neemrana II Kotputli Transmission Limited

...Petitioner

Versus

Central Transmission Utility of India Limited & Ors.

...Respondents

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PETITIONER

THROUGH



Gaurav Dudeja, Partner

Phoenix Legal

Advocates for the Petitioner

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New Delhi – 110020.

Email: gaurav.dudeja@phoenixlegal.in

Mob: +91 9818833778

Date: 03.01.2024

Place: New Delhi

**BEFORE THE HON'BLE CENTRAL ELECTRICITY REGULATORY
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... Petitioner

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Central Transmission Utility of India Limited & Ors.

... Respondents

MEMO OF PARTIES

Neemrana II Kotputli Transmission Limited

Having its office at:

DLF Cyber Park, Tower-B, 9th Floor,

Udyog Vihar, Phase-III, Sector 20,

Gurugram, Haryana — 1220008

...Petitioner

VERSUS

1. Central Transmission Utility of India Limited

Saudamini, Plot No.2, Sector 29,

Near IFFCO Chowk, Gurugram,

Haryana — 122001

2. PFC Consulting Limited,

First Floor, Urja Nidhi,

I, Barakhamba Lane,

Connaught Place, New Delhi – 110001

3. **Central Electricity Authority**
Seva Bhawan, R.K. Puram,
New Delhi — 110016
4. **Union Territory of Jammu & Kashmir**
Power Development Department
SLDC Building, 1st Floor,
Gladani Power House,
Narwal, Jammu — 180006
5. **Union Territory of Ladakh**
Superintending Engineer, Distribution Circle,
Power Development Department,
Choglamsar, Leh — 194101
6. **Powergrid Corporation of India Limited**
B-9, Qutab Institutional Area,
Katwaria Sarai, New Delhi — 110016
7. **HVDC Dadri, Powergrid Corporation of India Limited**
B-9, Qutab Institutional Area,
Katwaria Sarai, New Delhi — 110016
8. **HVDC Rihand, Powergrid Corporation of India Limited**
B-9, Qutab Institutional Area,
Katwaria Sarai, New Delhi — 110016
9. **Union Territory of Chandigarh**
Electricity Wing of Engineering Department,
Room No. 511, 5th Floor,
UT Secretariat (Deluxe) Building,
Sector 9D, Chandigarh — 160009
10. **BSES Rajdhani Power Limited**
BSES Bhawan, Nehru Place,
New Delhi — 110019

- 11. BSES Yamuna Power Limited**
B-Block, Shakti Kiran Building,
Near Karkadoorna Court, Karkadoorna,
New Delhi — 110092
- 12. New Delhi Municipal Council**
Palika Kendra, Sansad Marg,
New Delhi — 110002
- 13. Tata Power Delhi Distribution Limited**
NDPL house, Hudson Lines Kingsway Camp,
New Delhi — 110009
- 14. Himachal Pradesh State Electricity Board**
Vidyut Bhawan, Kumar House Complex Building II,
Shimla, Himachal Pradesh — 171004
- 15. Haryana Power Purchase Centre**
Shakti Bhawan, Sector-6,
Panchkula, Haryana — 134109
- 16. Punjab State Power Corporation Limited**
PP&R, Shed T-1, Thermal Design
Patiala, Punjab — 147001
- 17. Ajmer Vidyut Vitran Nigam Limited**
132 kV, GSS RVPNL Sub-station Building,
Caligiri Road, Malviya Nagar,
Jaipur, Rajasthan — 302017
- 18. Jaipur Vidyut Vitran Nigam Limited**
132 kV, GSS RVPNL Sub-station Building
Caligiri Road, Malviya Nagar,
Jaipur, Rajasthan — 302017

19. **Jodhpur Vidyut Vitran Nigam Limited**
New Power House, Industrial Area,
Jodhpur, Rajasthan — 342003
20. **North Central Railway**
DRM Office, Nawab Yusuf Road,
Prayagraj, Uttar Pradesh — 211011
21. **Uttaranchal Power Corporation Limited**
Urja Bhawan, Kanwali Road,
Dehradun, Uttarakhand — 248001
22. **Uttar Pradesh Power Corporation Limited**
(Formerly Uttar Pradesh State Electricity Board)
Shakti Bhawan, 14, Ashok Marg,
Lucknow, Uttar Pradesh — 226001
23. **A.D. Hydro Power Limited**
Bhilwara Towers, A-12,
Sector 1, Noida, Uttar Pradesh — 201301

...Respondents

PETITIONER

THROUGH



Gaurav Dudeja, Partner
PHOENIX LEGAL

Advocates for the Petitioner
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Email: gaurav.dudeja@phoenixlegal.in
Mob: +91 9818833778

Place: New Delhi
Date: 03.01.2024

**BEFORE THE HON'BLE CENTRAL ELECTRICITY REGULATORY
COMMISSION, NEW DELHI
PETITION NO. /TL/2024**

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Petition under Section 14, 15 and 79(1)(e) of the Electricity Act, 2003 read with the Central Electricity Regulatory Commission (Procedure, Terms and Conditions for Grant of Transmission License and other related matters) Regulations, 2009 for grant of transmission license to Neemrana II Kotputli Transmission Limited.

AND

IN THE MATTER OF:

Neemrana II Kotputli Transmission Limited

... **Petitioner**

VERSUS

Central Transmission Utility of India Limited & Ors.

... **Respondents**

**PETITION UNDER SECTION 14, 15 AND 79(1)(e) OF THE ELECTRICITY
ACT, 2003 FOR GRANT OF TRANSMISSION LICENCE TO THE
PETITIONER**

MOST RESPECTFULLY SHEWETH:

1. The present Petition is being filed by the Petitioner, Neemrana II Kotputli Transmission Limited, under Section 14, 15 and 79(1)(e) of the Electricity Act, 2003 ("**the Act**") read with the Central Electricity Regulatory Commission (Procedure, Terms and Conditions for Grant of Transmission License and other related matters) Regulations, 2009 ("**Transmission License Regulations**") for grant of transmission license for the establishment of "*Transmission System for Evacuation of Power from Rajasthan REZ Ph-IV (Part I) (Bikaner Complex): PART B*" ("**the Project**") on build, own, operate and transfer basis, and to provide transmission services as per the terms of the Transmission Service Agreement ("**TSA**") dated 27 December 2023. The details of the Project are as follows:

<i>Transmission System for Evacuation of Power from Rajasthan REZ Ph-IV (Part I) (Bikaner Complex): PART B</i>		
<i>S. No.</i>	<i>Name of Transmission Element</i>	<i>Scheduled COD in months from Effective Date</i>
1.	<p><i>Establishment of 765/400 kV, 4x1500 MVA (along with one spare unit of 500 MVA) Neemrana-II S/s along with 2x330 MVAR (765 kV) Bus Reactor (along with one spare unit of 110 MVAR) & 2x125 MVAR (420kV) Bus Reactor at a suitable location near Neemrana</i></p> <ul style="list-style-type: none"> <i>765/400 kV 1500 MVA ICTs – 4 nos. (13x500 MVA including one spare unit)</i> <i>330 MVAR Bus Reactor-2 nos. (7x110 MVAR, including one spare unit)</i> <i>765 kV reactor bays- 2 nos.</i> <i>125 MVAR, 420kV bus reactor - 2 nos.</i> <i>420 kV reactor bays - 2 nos.</i> <i>765 kV ICT bays – 4 nos.</i> <i>400 kV ICT bays – 4 nos.</i> <i>400 kV line bays - 6 nos. (4 nos. for LILO of Gurgaon -Sohna Road D/c line & 2 nos. for Kotputli D/c line)</i> <p><i>Future provisions: Space for</i></p> <ul style="list-style-type: none"> <i>765/400kV ICT along with bays- 2 nos.</i> <i>765 kV line bays along with switchable line reactors – 12 nos.</i> <i>765 kV Bus Reactor along with bay: 1 no.</i> <i>400 kV line bays along with switchable line reactor –6 no.</i> <i>400 kV Bus Reactor along with bay: 1 no.</i> <i>400kV Sectionalization bays: 2 sets</i> 	24 months
2.	<i>Neemrana-II -Kotputli 400 kV D/c line (Quad)</i>	
3.	<p><i>2 no. of 400 kV line bays at Kotputli</i></p> <ul style="list-style-type: none"> <i>400 kV line bays at Kotputli - 2 nos.</i> 	

4.	<i>LILO of both ckts of 400 kV Gurgaon (PG) - Sohna Road (GPTL) D/c line (Quad) at Neemrana-II S/s</i>	
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Note:

- (i) *Provision of suitable sectionalization shall be kept at Neemrana-II S/s at 400kV level to limit short circuit level.*
 - (ii) *POWERGRID to provide space for 2 nos. of 400 kV line bays at Kotpuli S/s.*
2. The Project was approved by the Consultation Meeting for Evolving Transmission Schemes in Northern Region ("CMETS-NR") during its 8th meeting held on 30 June 2022, 56th Northern Regional Power Committee ("NRPC") meeting held on 29 July 2022 and subsequently again by the National Committee on Transmission ("NCT") during its 9th meeting held on 28 September 2022. The copies of the minutes of the 8th CMETS-NR meeting held on 30 June 2022, 56th NRPC meeting held on 29 July 2022 and 9th NCT meeting held on 28 September 2022 are attached herewith and marked as **ANNEXURE - 1 (Colly)**.
 3. It is submitted that subsequently, the Ministry of Power ("MOP") issued the "Tariff Based Competitive Bidding Guidelines for Transmission Service" and "Guidelines for Encouraging Competition in Development of Transmission Projects" dated 10 August 2021 under Section 63 of the Act ("TBCB Guidelines"). Subsequently, the MOP vide its Gazette Notification No. CG-DL-E-14012023-241990 dated 13 January 2023 ("MOP Notification"), in exercise of the powers conferred by Para 3.2 of the TBCB Guidelines, appointed PFC Consulting Limited ("PFCCL") as the BPC for conducting the bid process for selection of the successful bidder for establishment of the Project. The copy of the MOP Notification dated 13 January 2023 is attached herewith and marked as **ANNEXURE - 2**.
 4. On 19 June 2023, the BPC incorporated the Petitioner company under the Companies Act, 2013, as its wholly owned subsidiary, to initiate various activities for execution of the Project, and to subsequently act as the TSP. A copy of the Certificate of Incorporation of the Petitioner company is annexed herewith and

marked as **ANNEXURE – 3**, and a copy of the Memorandum of Association & Articles of Association of the Petitioner Company is annexed herewith and marked as **ANNEXURE – 4 (Colly)**.

5. PFCCL initiated the TBCB Process in terms of the TBCB Guidelines through a single stage two envelope process of Request for Proposal (“RFP”). The RFP was issued on 15 February 2023. The successful bidder was required to acquire one hundred percent (100%) of the equity shares of TSP along with all its related assets and liabilities. A copy of the RFP dated 15 February 2023 along with all the clarifications and amendments issued thereto are annexed herewith and marked as **ANNEXURE – 5 (Colly)**.
6. The said RFP notification was duly published in national newspapers viz. Times of India (English), Navbharat Times (Hindi), Economic Times (English) and the Financial Times – Worldwide and same was uploaded in English and Hindi on website of the BPC, i.e., www.pfcclindia.com. As per the requirement under the TBCB Guidelines, the BPC had intimated this Hon’ble Commission, on 24 February 2023, regarding the initiation of the bid process and shared all the notices so published. A copy of the letter dated 24 February 2023 issued by the BPC intimating this Hon’ble Commission along with the enclosures therein are annexed herewith and marked as **ANNEXURE - 6**.
7. The BPC also intimated the MOP about the publishing of the RFP Notification and RFP Documents on 24 February 2023. A copy of the letter dated 24 February 2023 are annexed herewith and marked as **ANNEXURE – 7**.
8. In compliance with the TBCB Guidelines, the entire bidding process was conducted on electronic platform created by MSTC Limited, wherein all the bidders had submitted their bids online through the electronic bidding platform. Sterlite Grid 32 Limited (“SG32L”) was one of the bidders who had submitted their bid for the Project. SG32L submitted its Technical and Financial Bid-Initial Offer on 06 October 2023, and after the conclusion of e-reverse auction process, on 31 October 2023, SG32L emerged as the successful bidder having quoted the lowest levelized transmission charges of INR 1694.65 million per annum.

9. It is also highlighted that the Bid Evaluation Committee ("**BEC**") issued a certificate on 14 November 2023 ("**BEC Certificate**"), *inter alia*, declaring that the entire bidding process had been carried out in accordance with the TBCB Guidelines. A copy of the BEC Certificate dated 14 November 2023 are annexed herewith and marked as **ANNEXURE - 8**.
10. Thereafter, BPC issued a Letter of Intent ("**LOI**") dated 29 November 2023 in favour of SG32L and the same was unconditionally accepted by SG32L. A copy of the LOI dated 29 November 2023, duly accepted by SG32L, is annexed herewith and marked as **ANNEXURE - 9**.
11. It is most respectfully submitted that the bidding was done on the basis of the existing Standard Bidding Documents ("**SBD**"). However, the transmission charges would be shared and recovered as per the mechanism devised by this Hon'ble Commission which is the Point of Connection ("**PoC**") mechanism. The transmission scheme would be included in National Transmission Pool for recovering transmission charges through PoC mechanism. The charges will be recovered from the Designated Inter-State Transmission System customers and disbursed to the Petitioner as per the Revenue Sharing Agreement.
12. Further, *vide* letter dated 29 September 2023, the BPC informed SG32L that the acquisition price for the acquisition of the Special Purpose Vehicle ("**SPV**") is INR 18,59,09,000/- (Rupees Eighteen Crore Fifty-Nine Lakh and Nine Thousand). The BPC on 19 December 2023 provided the breakup of the acquisition price of INR 18,59,09,000/- (Rupees Eighteen Crore Fifty-Nine Lakh and Nine Thousand) to SG32L and requested for submission of the CPG for an amount of INR 27,30,00,000/- (Rupees Twenty-Seven Crore Thirty Lakh). A copy of the letter dated 19 December 2023 is annexed herewith and marked as **ANNEXURE - 10**.
13. Subsequently, by letter dated 26 December 2023, SG32L furnished a CGP dated for an amount of INR 27,30,00,000/- (Rupees Twenty-Seven Crore Thirty Lakh), with the expiry date of the CPG being 31 March 2026, in favour of the Nodal Agency, i.e., CTUIL/the Respondent No.1. A copy of the letter dated 26 December

2023 along with the CPG is attached hereto and marked as **ANNEXURE - 11 (Colly)**.

14. Thereafter, an amount of INR 17,00,28,100/- (after deduction of TDS @10% amounting to INR 1,58,80,900/- from the acquisition price of INR 18,59,09,000/-) was paid by SG32L to the BPC on 26 December 2023 *vide* transaction ID no. SGB/1153723/SGB0FT2023122600003740/PFC CONSULTING.
15. It is pertinent to note that Clause 2.15.2 of the RFP provides for a timeline after issuance of the LOI, which requires execution of the Share Purchase Agreement (“SPA”) and the Transmission Service Agreement (“TSA”), and acquisition of the SPV to be done within 10 days of issuance of the LOI. However, the same was extended by the BPC *vide* its letter dated 27 December 2023, whereby the BPC extended the timeline envisaged under the RFP, *inter alia*, for acquisition of the SPV and other activities from 09 December 2023 (10 dates from issuance of LOI) to 27 December 2023. A copy of the letter dated 27 December 2023 issued by the BPC is annexed herewith and marked as **ANNEXURE 12**.
16. After completing all procedural requirements as specified in the bid documents, the acquisition of the SPV was done and SG32L acquired 100% equity shareholding in the Petitioner Company on 27 December 2023 upon execution of the SPA. On the same day, the Petitioner also executed a TSA with CTUIL. Copies of the SPA dated 27 December 2023 executed between the BPC, the Petitioner and SG32L, and the TSA dated 27 December 2023 are annexed herewith and marked as **ANNEXURE - 13** and **ANNEXURE – 14** respectively.
17. It is humbly submitted that Section 14 of the Act provides that the Appropriate Commission may, on an application made under Section 15 of the Act, grant licence to any person to transmit electricity as a transmission licensee, in any area as may be specified in the licence. The word ‘person’ has been defined in Section 2(49) of the Act to include any company or body corporate or association or body of individuals, whether incorporated or not, or an artificial juridical person. Therefore, the Petitioner in accordance with the TSA and under Section 14 of the

Act, is filing the present Petition, *inter-alia* seeking grant of a transmission licence for the Project explained above.

18. Further, it is most respectfully submitted that Section 15(1) of the Act provides that every application under Section 14 of the Act shall be made in such manner and in such form as may be specified by the Hon'ble Commission and shall be accompanied with such fees as may be prescribed under Transmission Licence Regulations. As per Regulation 6 of the Transmission Licence Regulations, a person selected through the process under the guidelines for competitive bidding is eligible for grant of licence. It is submitted that the Petitioner company, incorporated under the Companies Act, 2013 is a wholly owned subsidiary of SG32L who has been selected through the TBCB process, in accordance with the TBCB Guidelines and is thus, eligible for the issuance of a transmission licence.
19. It is submitted that the grant of transmission license is a condition subsequent under the TSA and is also a requirement in law, without which, the Petitioner cannot proceed with the establishment of the Project.
20. It is submitted that this Hon'ble Commission, in the Transmission Licence Regulations, has prescribed FORM-I and the fee for filing application seeking grant of a transmission licence. It is submitted the requisite fee for filing the present Petition has been paid by the Petitioner. A copy of the prescribed FORM-I and the resolution passed by the Board of Directors of the Petitioner company are annexed herewith and marked as **ANNEXURE - 15 (Colly)**.
21. It is submitted that Regulation 7 of the Transmission Licence Regulations provides the procedure for the grant of a transmission licence. This Hon'ble Commission, in exercise of its 'Powers to Relax' under Regulation 24 of the said regulations, has modified/amended the procedure laid down under Regulation 7 of the said Regulations, *vide* its Suo-moto order dated 22 January 2022, in Petition No. 1/SM/2022 ("**Suo-moto order**"). It is, therefore, submitted that the Petitioner is making the present application in accordance with the procedure established under Regulation 7 of the Transmission Licence Regulations read with the said Suo-moto order passed by this Hon'ble Commission and the relevant provisions of the Act.

22. Pursuant to the above, the Petitioner, in accordance with Regulation 7(4) of the Transmission Licence Regulation, as modified by the Suo-moto order, has uploaded the complete application along with all the annexures and enclosures on the e-filing portal of this Hon'ble Commission, so that the same is served electronically to all the beneficiaries of the Project, registered on the e-filing portal.
23. Further, the Petitioner has served the copy of the present Petition through e-mail to all the beneficiaries not registered on the e-filing portal of this Hon'ble Commission. It is submitted that as per Regulation 7(4) read with the said Suo-moto order, the copy of the complete Petition has been posted on the website of the Petitioner (www.sterlitepower.com), in English and in vernacular language.
24. It is submitted that as per Regulation 7(5) of the Transmission Licence Regulations, the Petition shall remain on the Petitioner's website till the time the licence is issued to the Petitioner or this Petition is rejected by this Hon'ble Commission.
25. It is further submitted that the Petitioner is submitting/furnishing a copy of the instant Petition to CTUIL, as required under Section 15(3) of the Act and Regulation 7(6) of Transmission Licence Regulations for its recommendations, simultaneously with the submission of the present Petition before this Hon'ble Commission.
26. It is submitted that the Petitioner shall, in future, comply with all the other requirements from time to time, as stipulated under the Act and the Transmission Licence Regulations read with the Suo-moto order passed by this Hon'ble Commission, and place a report of compliance of the same before this Hon'ble Commission.
27. Simultaneously, with the present Petition, the Petitioner is also filing a petition for adoption of the transmission charges with respect to the Project under Section 63 of the Act before this Hon'ble Commission separately, *inter alia*, in accordance with the provisions of Article 2.15.4 of the RFP.

28. As stated above, the BEC Meeting, *inter alia*, recognized that the TBCB process carried out for selection of the successful bidder for implementing the Project was conducted in terms of the TBCB Guidelines, and the tariff quoted by SG32L was the lowest tariff discovered during the e-reverse auction process.
29. In view thereof, it is humbly submitted that the Petitioner satisfies all the conditions for the grant of an inter-state transmission licence under the Act and the Transmission Licence Regulations for the establishment of the Project. Therefore, the Petitioner humbly prays that the aforementioned be take on record and its following prayers be allowed.
30. The Petitioner reserves its right to make any supplemental or additional filings/submissions in furtherance to this Petition grant of transmission licence, if any and when required in view of any legal, policy or regulatory exigency. The Petitioner also undertakes to supply such further particulars/information as this Hon'ble Commission may require and direct.

PRAYER

In light of the abovementioned facts and circumstances, the Petitioner hereby humbly prays this Hon'ble Commission to:

- a) Grant transmission licence to the Petitioner;
- b) Allow sharing and recovery of the Transmission Charges for Inter-State Transmission System for establishment of "*Transmission System for Evacuation of Power from Rajasthan REZ Ph-IV (Part 1) (Bikaner Complex): PART B*" as per the CERC (Sharing of Inter-state Transmission Charges and Losses) Regulations, 2020 and any other amendments issued thereon from time to time by the Hon'ble Commission;
- c) Condone any inadvertent errors omissions/errors/shortcomings and permit the Petitioner to add/change/modify/alter these filings and make further submissions as may be required going forward; and

- d) Pass such other order(s) as this Hon'ble Commission may deem fit and proper in the facts and circumstances of this case.



PETITIONER

THROUGH



Gaurav Dudeja, Partner

PHOENIX LEGAL

Advocates for the Petitioner

Phoenix House, 254, Okhla Industrial Estate,

Phase III, New Delhi – 110020

Email: gaurav.dudeja@phoenixlegal.in

Mob: +91 9818833778

Place: New Delhi

Date: 03.01.2024

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COMMISSION, NEW DELHI**

PETITION NO. /TL/2024

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Neemrana II Kotputli Transmission Limited

... **Petitioner**

VERSUS

Central Transmission Utility of India Limited & Ors.

... **Respondents**

AFFIDAVIT VERIFYING THE PETITION

I, Balaji Sivan, S/o Shri Venkatraman Sivan, aged about 45 years, the Authorized Signatory of the Petitioner herein, having office at DLF Cyber Park, Tower-B, 9th Floor, Udyog Vihar, Phase-III, Sector 20, Gurugram-122008, presently at New Delhi, do solemnly affirm and state as follows:

1. I state that I am the Authorized Signatory of the Petitioner in the present matter and I am duly authorized and competent to swear and depose the present Affidavit on behalf of the Petitioner.
2. I state that I have perused the accompanying Petition and state that the facts stated therein are true and correct to the best of my knowledge and belief and based on the records of the Petitioner Company and that the legal submissions made therein are based upon information received by me and believed to be true.
3. I state that the documents filed along with the accompanying Petition are copies of their respective originals.


DEPONENT

VERIFICATION

I, the deponent above named, do hereby verify that the contents of the paragraphs of the above affidavit are true and correct, no part of it false and nothing material has been concealed therefrom.

Verified at New Delhi on _____ day of January' 2024.

*Debalaji
0112570007
I have read the affidavit with
the documents in my presence*



ATTESTED

**NOTARY PUBLIC
DELHI (INDIA)**


DEPONENT

- 3 JAN - 2024

19

सेंट्रल ट्रांसमिशन यूटिलिटी ऑफ इंडिया लिमिटेड
(पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड के स्वामित्व में)
(भारत सरकार का उद्यम)

Annexure -1 (Colly.)

CENTRAL TRANSMISSION UTILITY OF INDIA LTD.
(A wholly owned subsidiary of Power Grid Corporation of India Limited)
(A Government of India Enterprise)

Ref: CTU/N/00/CMETS/08

Date: 20-07-2022

As per distribution list

Subject: 8th Consultation Meeting for Evolving Transmission Schemes in Northern Region-Minutes of Meeting

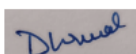
Dear Sir/Ma'am,

Please find enclosed the minutes of the 8th Consultation Meeting for Evolving Transmission Schemes in Northern Region held on 30th June, 2022 through virtual mode. The minutes are also available at CTU website (www.ctuil.in)

Thanking you,

Yours faithfully,


(Kashish Bhamhani)
General Manager


True Copy

Distribution List:

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Director (SO) Power System Operation Corporation Ltd. 9 th Floor, IFCI Towers, 61, Nehru Place, New Delhi-110 016	CGM /c Northern Regional Load Despatch Centre 18-A, Qutab Institutional Area, Shaheed Jeet Singh Sansanwal Marg, Katwaria Sarai, New Delhi– 110 016
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Director (Technical) Punjab State Transmission Corporation Ltd. Head Office, The Mall, Patiala 147001, Punjab	Director (Projects) Power Transmission Corporation of Uttarakhand Ltd. Vidyut Bhawan, Near ISBT Crossing, Saharanpur Road, Majra, Dehradun.
Development Commissioner (Power) Power Development Department Grid Substation Complex, Janipur, Jammu	Director (Technical) Rajasthan Rajya Vidyut Prasaran Nigam Ltd. Vidyut Bhawan, Jaipur, Rajasthan-302005.
Member (Power) Bhakra Beas Management Board Sector-19 B, Madhya Marg, Chandigarh - 160019	Superintending Engineer (Operation) Electricity Circle, 5 th Floor, UT Secretariat, Sector-9 D, Chandigarh - 161009
Director (Operations) Delhi Transco Ltd. Shakti Sadan, Kotla Road, New Delhi-110 002	Director (Technical) Haryana Vidyut Prasaran Nigam Ltd. Shakti Bhawan, Sector-6, Panchkula-134109, Haryana

Distribution List: Connectivity/Long-term Access Applicants

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Shri Sudesh Pradhan AGM - Business Development Juniper Green Stellar Private Limited Plot No. 18, 1st Floor, Institutional Area, Sector 32, Gurugram, Haryana-122001 Ph.: 9928075525, 9810067467 Email: Sudesh.pradhan@junipergreenenergy.com ankush.malik@junipergreenenergy.com	Shri Parish Gupta Director IB Vogt Solar Seven Private Limited #225-225, JMD Empire, Golf Course Extension Road, Sector 62, Gurugram, Haryana Ph.: 9871711445, 9542388443 Email: parish.gupta@ibvogt.com solarbidding.qm@renewpower.in
Shri Sharat Ranjan Authorized Signatory Ayana Renewable Power Three Private Limited S2904, 29th Floor, World Trade Centre Brigade Gateway Campue, Kamataka- 560055 Ph.: 9958112278, 8800554749 Email: sharatranjan@ayanapower.com narayanan@ayanapower.com	Shri Ajay Kumar Singh GM - BD & Expansion SJVN Limited Shakti Sadan, Shanan Shimla, Himachal Pradesh-171006 Ph.: 9418475313, 9418480402 Email: business.expansion@sjvn.nic.in shivender777@gmail.com
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Minutes of 8th Consultation Meeting for Evolving Transmission Schemes in Northern Region held on 30.06.2022²³

The 8th Consultation Meeting for Evolving Transmission Schemes in Northern Region (CMETS-NR) was held through VC on 30/06/2022. List of participants is enclosed at **Annexure-X**.

1. Confirmation on the minutes of the 7th CMETS-NR meeting

It was deliberated that the minutes of the 7th CMETS-NR meeting held on 31/05/2022 were issued vide letter dated 13/06/2022. However, it was informed that in the minutes circulated, the start date of St-II Connectivity to M/s Litsolaire Energy Private Limited (300 MW) was inadvertently recorded as 31/01/2024, however, as the connectivity has been granted at Bikaner-III PS, which is envisaged by Sep'2024 (Tentative), accordingly, the start date of St-II Connectivity for the same shall be 30/09/2024. St-II Connectivity to M/s Litsolaire shall be granted accordingly.

Other than above, no comments were received, accordingly, minutes were confirmed as circulated.

A. Application related matters in Northern Region

1. **Proposal for grant of Connectivity to the applications received in May'22 from Renewable Energy Sources**

It was deliberated that following 04 Nos. of Stage-I Connectivity applications were received in the month of May'22 and were decided to be granted as per the details below:

TABLE 1

Sl. No.	Application ID	Applicant	Project Location	Date of Application	Connectivity Sought Date/(MW)	Nature of Applicant	Location requested for Grant of Stage-I Connectivity	Tr. System for Grant of Stage-I Connectivity
1.	1200003912	NHPC Limited	Bikaner, Rajasthan	06.05.2022	11.12.2023/ 300	Generator (Solar)	Bikaner-II PS	NHPC Limited Solar Power Project – Bikaner-III PS 220 kV S/c line on D/c tower (Suitable to carry minimum 300 MW at nominal voltage) Common Transmission system mentioned at (i) under ISTS shall also be required for Connectivity.
2.	1200003921	Solarcraft Power India 4 Pvt. Ltd.	Jaisalmer, Rajasthan	17.05.2022	30.03.2025/ 300	Generator (Solar)	Bhadla-III PS	Solarcraft Power India 4 Pvt. Ltd. Solar Power Project – Bhadla-III PS 220 kV S/c line (Suitable to carry minimum 300 MW at nominal voltage)

Sl. No.	Application ID	Applicant	Project Location	Date of Application	Connectivity Sought Date/(MW)	Nature of Applicant	Location requested for Grant of Stage-I Connectivity	Tr. System for Grant of Stage-I Connectivity
								Common Transmission system mentioned at (ii) under ISTS shall also be required for Connectivity.
3.	1200003934	Vector Green New Energies Private Limited	Barmer, Rajasthan	19.05.2022	16.09.2024/ 300	Generator (Solar)	Fatehgarh-IV PS	Vector Green New Energies Private Limited Solar Power Project – Fatehgarh-IV PS 220 kV S/c line (Suitable to carry minimum 300 MW at nominal voltage) Common Transmission system mentioned at (iii) under ISTS shall also be required for Connectivity.
4.	1200003936	Vector Green New Energies Private Limited	Bikaner, Rajasthan	19.05.2022	16.09.2024/ 300	Generator (Solar)	Bikaner-II PS	Vector Green New Energies Private Limited Solar Power Project – Bikaner-III PS 220 kV S/c line (Suitable to carry minimum 300 MW at nominal voltage) Common Transmission system mentioned at (i) under ISTS shall also be required for Connectivity.

(i) Common Transmission system for Connectivity at Bikaner-III PS (scheme under finalization)

- Establishment of 400/220kV, 1x500MVA pooling station at Bikaner-III 765/400/220kV PS
- LILO of one ckt of 400 kV Bikaner (PG)-Bikaner-II (Quad) D/c line at Bikaner-III PS
or
Bikaner-II – Bikaner-III 400 kV D/c line (Quad)

(ii) Common Transmission system for Connectivity at Bhadla-III PS (under ISTS)

- Establishment of 1x500 MVA 400/220 kV & 1x1500 MVA 765/400 kV pooling station at Bhadla-III PS
- Bhadla-III– Sikar-II 765 kV D/c line

(iii) Common Transmission system for Connectivity at Fatehgarh-IV PS (under ISTS)

- Establishment of 1x500 MVA 400/220 kV pooling station at Fatehgarh-IV PS
- Fatehgarh-IV PS- Fatehgarh-III PS 400 kV D/c (Twin HTLS*) line

- Establishment of 1x1500MVA 765/400kV Fatehgarh-III PS
- Fatehgarh-III PS – Beawar 765 kV D/c line
- Establishment of 765 kV Substation at suitable location near Beawar & LILO of both circuits of Ajmer-Chittorgarh 765 kV D/c line at Beawar substation or establishment of 1x1500MVA 765/400kV Substation at suitable location near Beawar & LILO of 400kV Kota –Merta line at Beawar substation

** with minimum capacity of 2100 MVA on each circuit at nominal voltage*

- It was mentioned that the grant of Stage-I Connectivity shall not create any right in favour of the grantee on ISTS infrastructure including bays. Stage-I Connectivity grantee shall be required to update the development of their generation project and associated transmission infrastructure as per format RCON-I-M (available on CTU website>>Stage-I / Stage-II Status Monitoring Portal) by 30th day of June and 31st December of each year.
- Further Stage-I Connectivity grantee is required to secure the Stage-II Connectivity for physical connectivity with the ISTS grid within 24 months. The Stage-I Connectivity grantees who fail to apply for Stage-II Connectivity within 24 months from grant of Stage-I Connectivity shall cease to be Stage-I Grantee and their Application fees shall be forfeited.

2. Stage-II Connectivity applications

It was deliberated that following 3 Nos. Stage-II Connectivity applications were received in the month of May'22 and were decided to be granted as per the details below:

TABLE 2

Sl. No.	Application No.	Applicant	Location	Date of Application	Application/ Quantum of Stage-I (MW)	Nature of Applicant	Generation Schedule	Stage-II Connectivity Sought (MW)/date	Quantum won / Land & Auditor Basis	Proposed Location as per St-I Application	Tr. System for Grant of Stage-II Connectivity
1.	1200003915	NHPC Limited	Bikaner, Rajasthan	06.05.2022	1200003912/ 300	Generator (Solar)	11.12.2023	300/ 11.12.2023 @	LoA from IREDA	Bikaner-II PS	NHPC Limited Solar Power Project – Bikaner-III PS 220 kV S/c line on D/c tower # (Suitable to carry minimum 300 MW at nominal voltage) 220 kV bay at Bikaner-III to be implemented under ISTS

Sl. No.	Application No.	Applicant	Location	Date of Application	Application/ Quantum of Stage-I (MW)	Nature of Applicant	Generation Schedule	Stage-II Connectivity Sought (MW)/date	Quantum won / Land & Auditor Basis	Proposed Location as per St-I Application	Tr. System for Grant of Stage-II Connectivity
											Common Transmission system mentioned at (i) under ISTS shall also be required for Connectivity.
2.	1200003910 (Enhancement Application)	Juniper Green Stellar Private Limited	Barmer, Rajasthan	05.05.2022	1200003672/ 400	Generator (Solar)	31.01.2025	100/ 31.01.2025 \$	L&FC	Fatehgarh-IV PS	Common pooling station of M/s Juniper Green Stellar Private Limited Solar Power Project (100 MW each) for Application Nos. 1200003827, 1200003910 & 1200003958) – Fatehgarh-IV PS 220 kV S/c line on D/c tower (Suitable to carry minimum 300 MW at nominal voltage) (220 kV line to be clubbed with Application Nos. 1200003827, 1200003910 & 1200003958 of M/s Juniper Green Stellar Private Limited for 100 MW each)
3.	1200003958 (Enhancement Application)	Juniper Green Stellar Private Limited	Barmer, Rajasthan	31.05.2022	1200003672/ 400	Generator (Solar)	31.01.2025	60/ 31.01.2025 \$	L&FC	Fatehgarh-IV PS	220 kV Common Bay (For Application Nos. 1200003827, 1200003910 & 1200003958) at Fatehgarh-IV PS shall be implemented under ISTS. Common Transmission system mentioned at (ii) under ISTS shall also be required for Connectivity.

@ Bikaner-III transmission system is yet to be approved and considering the approval & implementation timelines, the tentative start date of Connectivity for the projects at Bikaner-III PS shall be 30th, Sep'2024 (Interim)

\$ Fatehgarh-IV PS transmission system is under bidding but on hold due to GIB issues. The tentative start date of Connectivity for the projects at Fatehgarh-IV PS shall be June'2024 (Interim), considering SPV transfer in Dec'22 subject to resolution of GIB issues.

NHPC Limited was asked about the confirmation of tower configuration of 220 kV dedicated line from generation switchyard to ISTS pooling station. Subsequently, NHPC Limited confirmed the line configuration as S/c line on D/c tower vide their email dated 04/07/2022 and submitted undertaking for not claiming any overriding priority for ISTS Connectivity at ISTS pooling station through 2nd circuit of the above line on 12/07/2022. In addition to this, the applicant shall not claim any right over bay allocation at ISTS pooling station on above ground and all issues related to sharing of D/c or M/c tower has to be coordinated among developers themselves.

Application at Sl. No. 1: Representative from NHPC Limited stated that as they have applied St-II Connectivity on LoA basis and has identified land for their generation project near Bikaner-II PS, Accordingly, it was requested for grant of connectivity at Bikaner-II PS. NHPC limited had also expressed the same views vide letter dated 10/06/2022 and requested for grant of Connectivity at Bikaner-II PS.

CTU deliberated that that as per CERC regulation, connectivity applications are processed on first-cum-first serve basis. At 400/220kV Bikaner-II PS, St-II Connectivity is already granted for 5575 MW quantum to various RE developers on LOA/PPA as well as land route basis. As per discussions in 5th & 6th CMETS-NR meeting held in Mar'22 & April'22, on account of technical limitation, no further grant for St-II Connectivity at 400/220kV Bikaner-II was decided. Subsequently, all other RE applicants (760 MW) were also granted St-II Connectivity at 765/400/220kV Bikaner-III PS. Bikaner-III PS is under approval & tentatively scheduled for Sep'24.

NHPC was offered connectivity at 220kV Bikaner-III PS or in sharing with other RE developers at 400 kV level of existing Bikaner PS on available margins. CTU suggested NHPC to provide their intent on the 400kV sharing matter within a week else they will be considered at 220 kV level of Bikaner-III PS. NHPC agreed for the same. Subsequently, NHPC vide letter dated 04.07.22 maintained connectivity at 220kV level. It was also informed that in case of revocation of any St-II Connectivity at Bikaner-II PS, same can be utilized by other applicants at Bikaner-III PS including NHPC Ltd. on application priority basis.

Accordingly, it was decided to grant 300 MW St-II connectivity to NHPC Limited at Bikaner-III PS through 220 kV S/c line on D/c tower with the 220 kV bay at Bikaner-III PS to be implemented under ISTS.

Application at Sl. No. 2 & 3: It was deliberated that M/s Juniper Ltd. had applied for enhancement of 100 MW each to already granted St-II connectivity (100 MW) to them at Fatehgarh-IV PS through 220 kV S/c line on D/c tower. The 220 kV bay at Fatehgarh-IV PS is to be implemented under ISTS. St-II Connectivity enhancement was decided to be granted through 220 kV S/c line at Fatehgarh-IV PS as above at Table-2.

(i) Common Transmission system for Connectivity at Bikaner-III PS (scheme under finalization)

- Establishment of 400/220kV, 1x500MVA pooling station at Bikaner-III 765/400/220kV PS

- LILO of one ckt of 400 kV Bikaner (PG)-Bikaner-II (Quad) D/c line at Bikaner-III PS

or

Bikaner-II – Bikaner-III 400 kV D/c line (Quad)

(ii) Common Transmission system for Connectivity at Fatehgarh-IV PS (under ISTS)

- Establishment of 1x500 MVA 400/220 kV pooling station at Fatehgarh-IV PS
- Fatehgarh-IV PS- Fatehgarh-III PS 400 kV D/c (Twin HTLS*) line
- Establishment of 1x1500MVA 765/400kV Fatehgarh-III PS
- Fatehgarh-III PS – Beawar 765 kV D/c line
- Establishment of 765 kV Substation at suitable location near Beawar & LILO of both circuits of Ajmer-Chittorgarh 765 kV D/c line at Beawar substation or establishment of 1x1500MVA 765/400kV Substation at suitable location near Beawar & LILO of 400kV Kota –Merta line at Beawar substation

* with minimum capacity of 2100 MVA on each circuit at nominal voltage

3. Proposal for grant of LTA to the application received from RE/Conventional Energy Sources

It was deliberated that following 5 Nos. of LTA applications were received in the month of May'22. Details are as below:

TABLE 3

Sl. No.	Application No.	Applicant	LTA Application date (online)	Connectivity Injection Point	Connectivity Application	Drawl Point	Quantum of LTA (MW)	Start Date of LTA	End date of LTA
1	1200003931	IB Vogt Solar Seven Private Limited	17.05.2022	Fatehgarh-III PS, Rajasthan	1200002700	TSSPDCL: 211.65MW TSNPDC: 88.35MW	300 (PPA/PSA without NoC)	11.10.2023@	10.10.2048
2	1200003933	Ayana Renewable Power Three Private Limited	18.05.2022	Bikaner PS, Rajasthan	1200002986	TSSPDCL: 211.65MW TSNPDC: 88.35MW	300 (PPA/PSA without NoC)	11.10.2023#	10.10.2048
3	1200003937	SJVN LIMITED	18.05.2022	Bikaner-II PS, Rajasthan	1200003559	Target (NR)	1000 (Target)	04.01.2024#	04.01.2049

Sl. No.	Application No.	Applicant	LTA Application date (online)	Connectivity Injection Point	Connectivity Application	Drawl Point	Quantum of LTA (MW)	Start Date of LTA	End date of LTA
4	1200003935	ReNew Dinkar Urja Private Limited	20.05.2022	Bikaner-II PS, Rajasthan	1200003380	Target (WR)	200 (Target)	04.10.2023 [#]	04.10.2048
5	1200003947	Eden Renewable Bercy Private Limited	30.05.2022	Fatehgarh-II PS, Rajasthan	1200002688	TSSPDCL: 211.65MW TSNPDCL: 88.35MW	300 (PPA/PSA without NoC)	11.10.2023 [#]	10.10.2048

@ Interim start date of LTA shall be 30/06/2024. Final LTA Start date shall be intimated after award of works under ISTS

Interim start date of LTA shall be 31/03/2024 for Sl. Nos. 2, 3, 4 & 5. Final LTA Start date shall be intimated after award of works under ISTS

- **For application at Sl. No. 1:** It was deliberated that Stage-II Connectivity (1200002700, 300 MW) was granted to M/s IB Vogt Solar Seven Private Limited at Fatehgarh-III PS through 220 kV S/c line. 1 No. 220 kV bay at Fatehgarh-III PS is being implemented under ISTS.

It was informed that now M/s IB Vogt has applied for LTA of 300 MW on firm basis to TSSPDCL/TSNPDCL (SR). The required power transfer of 300 MW from Fatehgarh-III PS is envisaged with the Transmission system associated with SEZ in Rajasthan under 20 GW Phase-III scheme. The transmission system has been approved in 3rd NRPC(TP) meeting held on 19/02/2021 & 5th NCT meeting held on 25/08/2021 & 02/09/2021. Further, it was informed that the scheme is under bidding with BPC, however, many bidders have requested to hold the bidding process till the resolution of GIB issue, so that they can provide with a valid bid. Accordingly, the tentative timeline for the scheme shall be June'24, considering SPV transfer in Dec'22 tentatively subject to resolution of GIB issues. Details of transmission system for present LTA is mentioned at **Annexure-I**.

Further, it was also informed that North-West Inter-regional system strengthening scheme approved during 5th CMETS -NR meeting held on 30/03/2022 shall also be required for LTA:

Phase-I

1. Bypassing of 400 kV Kankroli - Bhinmal-Zerda line at Bhinmal to form 400 kV Kankroli – Zerda (direct) line [#]
2. Reconductoring of 400 kV Jodhpur (Surpura)(RVPN) – Kankroli S/c (twin moose) line with twin HTLS conductor*-188 km

[#] with necessary arrangement for bypassing Kankroli- Zerda line at Bhinmal with suitable switching equipment inside the Bhinmal substation.

* with minimum capacity of 1940 MVA/ckt at nominal voltage; Upgradation of existing 400kV bay equipments each at Jodhpur (Surpura)(RVPN) and Kankroli S/s (3150 A)

It was informed that the above scheme is yet to be approved in NCT and its tentative commissioning schedule may be Mar'2024, and the same shall be confirmed based on award of the scheme.

Also, as the LTA has been applied on firm basis, and for further drawl of power by Telangana discoms through STU network from ISTS, NOC from the concerned STU is required. CTU vide letter dated 15/06/2022 has also requested to TSTRANSCO to issue the NoC, which is still awaited. Accordingly, STU was requested to provide NoC for above application for drawl of power in their respective state. It was stated that if NOC of concerned STU is not available or the NoC is not effective as on Start Date of LTA, the billing for payment of transmission charges shall be undertaken on the LTA grantee as per CERC Regulations, till such time NOC is made available and becomes effective. The NoC with conditions would be considered effective only upon fulfillment of such conditions.

Accordingly, it was agreed to grant LTA to M/s IB Vogt Solar Seven Private Limited for 300 MW from Fatehgarh-III PS to TSSPDCL: 211.65 MW & TSNPDCL: 88.35 MW on firm basis from 30/06/2024 (Interim) to 10/10/2048.

- **For application at Sl. No. 2:** It was deliberated that Stage-II Connectivity (1200002986, 300 MW) was granted to M/s Ayana Renewable Power Three Private Limited at Bikaner PS through 400 kV S/c line. 1 No. 400 kV bay at Bikaner PS is being implemented under ISTS. CTU stated that total 600 MW of St-II Connectivity has been granted to M/s Ayana. SECI enquired whether the remaining margin of 300 MW at 400 kV bay of M/s Ayana is available for sharing. CTU opined that they have already declared available margin on each bay at Bikaner PS & if required other applicants/M/s Ayana may avail the same. M/s Ayana also stated that are also aware of this matter.

Based on above, NHPC was also offered St-II Connectivity at 400 kV at Bikaner PS in sharing with M/s Ayana, which NHPC informed to revert on the matter.

It was informed that now M/s Ayana has applied for LTA of 300 MW on firm basis to TSSPDCL/TSNPDCL (SR). Based on the system studies, Rajasthan SEZ Phase-I & II Transmission schemes is already agreed in 2nd and 5th NRSCT meetings held on 13/11/2018 & 13/09/2019 respectively. The required power transfer of 300 MW from Bikaner PS was envisaged under the said system. Details of transmission system for present LTA is mentioned at **Annexure-II**, which also includes 3rd ICT (765/400 kV, 1500 MVA) at Bikaner. This 3rd ICT (1500 MVA) at Bikaner PS has been approved in 5th NCT meeting and subsequently, vide MoP OM dated 01/12/2022, ICT was approved with implementation timeline of 15 months or LTA quantum beyond 3900 MW, whichever is later. Accordingly, tentative timeline for 3rd ICT (1500 MVA, 765/400 kV) at Bikaner PS shall be Dec'23 (Interim).

Further, it was also informed that North-West Inter-regional system strengthening scheme approved during 5th CMETS -NR meeting held on 30/03/2022 shall also be required for LTA:

Phase-I

1. Bypassing of 400 kV Kankroli - Bhinmal-Zerda line at Bhinmal to form 400 kV Kankroli – Zerda (direct) line #
2. Reconductoring of 400 kV Jodhpur (Surpura)(RVPN) – Kankroli S/c (twin moose) line with twin HTLS conductor*-188 km

with necessary arrangement for bypassing Kankroli- Zerda line at Bhinmal with suitable switching equipment inside the Bhinmal substation.

** with minimum capacity of 1940 MVA/ckt at nominal voltage; Upgradation of existing 400kV bay equipments each at Jodhpur (Surpura)(RVPN) and Kankroli S/s(3150 A)*

The above scheme is yet to be approved in NCT and its tentative commissioning schedule may be Mar'2024 and same shall be confirmed based on award of the scheme.

As the LTA has been applied on firm basis, and for further drawl of power by Telangana discoms through STU network from ISTS, NOC from the concerned STU is required. CTU vide letter dated 15/06/2022 has also requested to TSDISCOMS (SR) to issue the NoC, which is still awaited. Accordingly, STU was requested to provide NoC for above application for drawl of power in their respective state. It was stated that if NOC of concerned STU is not available or the NoC is not effective as on Start Date of LTA, the billing for payment of transmission charges shall be undertaken on the LTA grantee as per CERC Regulations, till such time NOC is made available and becomes effective. The NoC with conditions would be considered effective only upon fulfillment of such conditions.

Accordingly, it was agreed to grant LTA to M/s Ayana Renewable Power Three Private Limited for 300 MW from Bikaner PS to TSSPDCL: 211.65 MW & TSNPDCL: 88.35 MW on firm basis from 31/03/2024 (Interim) to 10/10/2048.

- **For application at Sl. No. 3:** It was deliberated that Stage-II Connectivity (1200003559, 1000 MW) was granted to SJVN Limited at Bikaner-II PS through 400 kV S/c line. 1 No. 400 kV bay at Bikaner-II PS is being implemented under ISTS.

It was informed that now SJVNL has applied for LTA of 1000 MW on target basis for NR. Based on the system studies, Rajasthan SEZ Phase-I & II Transmission schemes is already agreed in 2nd and 5th NRSCT meetings held on 13/11/2018 & 13/09/2019 respectively. The required power transfer of 1000 MW from Bikaner-II PS was envisaged under the said system. Details of transmission system for present LTA is mentioned at **Annexure-III**, which also includes 3rd ICT (765/400 kV, 1500 MVA) at Bikaner. This 3rd ICT (1500 MVA) at Bikaner PS has been approved in 5th NCT meeting and subsequently, vide MoP OM dated 01/12/2022, ICT was approved with implementation timeline of 15 months or LTA quantum beyond 3900 MW, whichever is later. Accordingly, tentative timeline for 3rd ICT (1500 MVA, 765/400 kV) at Bikaner PS shall be Dec'23 (Interim).

Further, it was also informed that North-West Inter-regional system strengthening scheme approved during 5th CMETS -NR meeting held on 30/03/2022 shall also be required for LTA:

Phase-I

1. Bypassing of 400 kV Kankroli - Bhinmal-Zerda line at Bhinmal to form 400 kV Kankroli – Zerda (direct) line #
2. Reconductoring of 400 kV Jodhpur (Surpura)(RVPN) – Kankroli S/c (twin moose) line with twin HTLS conductor*-188 km

with necessary arrangement for bypassing Kankroli- Zerda line at Bhinmal with suitable switching equipment inside the Bhinmal substation.

** with minimum capacity of 1940 MVA/ckt at nominal voltage; Upgradation of existing 400kV bay equipments each at Jodhpur (Surpura)(RVPN) and Kankroli S/s(3150 A)*

The above scheme is yet to be approved in NCT and its tentative commissioning schedule may be Mar'2024 and the same shall be confirmed based on award of the scheme.

Accordingly, it was agreed to grant LTA to SJVNL for 1000 MW from Bikaner-II PS to NR (Target) from 31/03/2024 (Interim) to 04/01/2049.

- **For application at Sl. No. 4:** It was deliberated that Stage-II Connectivity (1200003380, 200 MW) was granted to M/s ReNew Dinkar Urja Private Limited at Bikaner-II PS through 220 kV S/c line. 1 No. 220 kV bay at Bikaner-II PS is being implemented under ISTS.

It was informed that M/s Renew has applied for LTA of 200 MW on target basis for WR. Based on the system studies, Rajasthan SEZ Phase-I & II Transmission schemes is already agreed in 2nd and 5th NRSCT meetings held on 13/11/2018 & 13/09/2019 respectively. The required power transfer of 200 MW from Bikaner-II PS was envisaged under the said system. Details of transmission system for present LTA is mentioned at **Annexure-IV**, which also includes 3rd ICT (765/400 kV, 1500 MVA) at Bikaner. This 3rd ICT (1500 MVA) at Bikaner PS has been approved in 5th NCT meeting and subsequently, vide MoP OM dated 01/12/2022, ICT was approved with implementation timeline of 15 months or LTA quantum beyond 3900 MW, whichever is later. Accordingly, tentative timeline for 3rd ICT (1500 MVA, 765/400 kV) at Bikaner PS shall be Dec'23 (Interim).

Further it was also informed that North-West Inter-regional system strengthening scheme approved during 5th CMETS -NR meeting held on 30/03/2022 shall also be required for LTA:

Phase-I

1. Bypassing of 400 kV Kankroli - Bhinmal-Zerda line at Bhinmal to form 400 kV Kankroli – Zerda (direct) line #
2. Reconductoring of 400 kV Jodhpur (Surpura)(RVPN) – Kankroli S/c (twin moose) line with twin HTLS conductor*-188 km

with necessary arrangement for bypassing Kankroli- Zerda line at Bhinmal with suitable switching equipment inside the Bhinmal substation.

** with minimum capacity of 1940 MVA/ckt at nominal voltage; Upgradation of existing 400kV bay equipments each at Jodhpur (Surpura)(RVPN) and Kankroli S/s(3150 A)*

The above scheme is yet to be approved in NCT and its tentative commissioning schedule may be Mar'2024, same shall be confirmed based on award of the scheme.

Accordingly, it was agreed to grant LTA to M/s Renew for 200 MW from Bikaner-II PS to WR (Target) from 31/03/2024 (Interim) to 04/10/2048.

- **For application at Sl. No. 5:** It was deliberated that Stage-II Connectivity (1200002688, 300 MW) was granted to M/s Eden Renewable Bercy Private Limited at Fatehgarh-II PS through 220 kV S/c line. 1 No. 220 kV bay at Fatehgarh-II PS is being implemented under ISTS.

Now, M/s Eden has applied for LTA of 300 MW on firm basis to TSSPDCL/TSNPDCL (SR). Based on the system studies, Rajasthan SEZ Phase-I & II Transmission schemes is already agreed in 2nd and 5th NRST meetings held on 13/11/2018 & 13/09/2019 respectively. The required power transfer of 300 MW from Fatehgarh-II PS was envisaged under the said system. Details of transmission system for present LTA is mentioned at **Annexure-V**. However, some part of the above scheme is under hold in bidding (765kV Bhadla-II – Sikar-II 2nd D/c) due to GIB issues and awaiting GIB committee clearance (765kV Fatehgarh-II-Bhadla-II 2nd D/c).

Further it was also informed that North-West Inter-regional system strengthening scheme approved during 5th CMETS -NR meeting held on 30/03/2022 shall also be required for LTA:

Phase-I

1. Bypassing of 400 kV Kankroli - Bhinmal-Zerda line at Bhinmal to form 400 kV Kankroli – Zerda (direct) line #
2. Reconductoring of 400 kV Jodhpur (Surpura)(RVPN) – Kankroli S/c (twin moose) line with twin HTLS conductor*-188 km

with necessary arrangement for bypassing Kankroli- Zerda line at Bhinmal with suitable switching equipment inside the Bhinmal substation.

** with minimum capacity of 1940 MVA/ckt at nominal voltage; Upgradation of existing 400kV bay equipments each at Jodhpur (Surpura)(RVPN) and Kankroli S/s (3150 A)*

The above scheme is yet to be approved in NCT and its tentative commissioning schedule may be Mar'2024, same shall be confirmed based on award of the scheme.

As the LTA has been applied on firm basis, and for further drawl of power by Telangana discoms through STU network from ISTS, NOC from the concerned STU is required. CTU vide letter dated 15/06/2022 has also requested to TSDISCOMS to issue the NoC,

which is still awaited. Accordingly, STU was requested to provide NoC for above application for drawl of power in their respective state. It was stated that if NOC of concerned STU is not available or the NoC is not effective as on Start Date of LTA, the billing for payment of transmission charges shall be undertaken on the LTA grantee as per CERC Regulations, till such time NOC is made available and becomes effective. The NoC with conditions would be considered effective only upon fulfillment of such conditions.

Accordingly, it was agreed to grant LTA to M/s Eden Renewable Bercy Private Limited for 300 MW from Fatehgarh-II PS to TSSPDCL: 211.65MW & TSNPDCL: 88.35MW on firm basis from 31/03/2024 (Interim) to 10/10/2048.

4. **Conventional Connectivity Applications**

It was deliberated that following 1 No. of Conventional Connectivity application from M/s Tidong Power Generation Private Ltd. (TPGPL) was received in the month of May'22 with following details:

Sl. No.	Application ID	Name of the Applicant	Application Type	Submission Date	Region	Project Location	Start Date of Connectivity	Quantum (MW)
1	1200003948	Tidong Power Generation Private Limited	Generator (Hydro)	26.05.2022	NR	Kinnaur, H.P.	01.11.2022	150

It was informed that Connectivity for Tidong HEP was granted by HPPTCL vide their intimation dated 18/04/2012 through LILO of 220 kV Kashang – Bhaba D/c line. Further, LTA has also been granted by HPPTCL vide their intimation dated 06/05/2022 through following transmission system:

- S/c LILO of 220 kV D/c Kashang Wangtoo line at Tidong-1 HEP
- 400/220/66 kV substation at Wangtoo by LILO of 400 kV Karcham Wangtoo- Abdullapur D/c line and LILO of 220 kV Kashang-Bhaba D/C line at Wangtoo

In the recent Order, Himachal Pradesh Electricity Regulatory Commission (HPERC) (Petition No. 12/2021) has directed HPPTCL to reconsider the LTA of Tidong-I HEP 400/220/66kV Wangtoo substation (HPPCTL) for a period of 25 years and grant such LTA restricting the same till commissioning of Jangi Pooling Station. Further, Tidong HEP will also reconductor the LILO portion of Kashang-Wangtoo line at Tidong HEP, matching with Stages-II & III of Kashang HEP time frame, so that there is no power evacuation constraints from Kashang HEP under N-1 condition.

Further it was deliberated that now Connectivity application in ISTS has been received for Tidong HEP (150 MW) for which interconnection is sought at Jhangi PS from Nov'2022.

Regarding this, a virtual meeting was held on 15/06/22 among CTU, HPPTCL, HPPCL, TPGPL & SJVNL. In the meeting, it was enquired that whether Tidong can be evacuated through LILO of 400kV Kaza – Wangtoo line. M/s TPGPL informed that they are in advance stage of project with 220 kV switchyard/generation and at this stage step up at 400 kV is not possible also due to space constraints. TPGPL requested that ISTS connectivity at 220 kV level with 400/220kV Jhagi PS may be considered. CTU had informed that earlier 400 kV Jhagi PS was proposed to be established along with Jhagi Thopan HEP which is scheduled in 2029. Therefore, establishing Jhagi PS for Tidong generation alone in near time frame like 2023-24 will not be prudent. HPPTCL suggested that they have issue in evacuating Tidong after commissioning of Kashang-II & III HEP only, therefore, 400/220 kV Jhagi PS need not be commissioned shortly, rather it may be planned by 2026-27 upon integration of Kashang-II/III HEP. Further, in future Jhagi PS may also help evacuation of other hydro generation and such substation is needed in this area. CTU also informed that in case Kaza Solar Park is not materialized in near future, this high capacity line may be taken up from Wangtoo S/s to Jhagi PS via Shongtong HEP for implementation considering Shongtong & Tidong HEP. SJVN had informed that their DPR for Kaza SP has been submitted to SECI/MNRE. CTU stated that Transmission scheme for Kaza PS is already approved by NCT and SJVN need to ascertain project progress and confirm its schedule. Uncertainty of Kaza PS is impacting transmission planning of Hydro Generations also. SJVN stated they will revert with the above details along with St-II connectivity/LTA applications shortly.

In the above meeting, it was also deliberated that Jhagi pooling station may proposed to be established matching with the time frame of Jhagi Thopan generation/ Stages-II & III of Kashang HEP, whichever is earlier. HPPTCL was asked to re-confirm schedule for Kashang -II & III HEP. SJVNL informed that Jhagi Thopan HEP shall be commissioned by Oct'2029 (tentative). M/s TPGPL informed that they shall apply for LTA shortly. In view of above, Connectivity in ISTS was discussed for Tidong & Shongtong HEPs with following transmission system. It was also decided that proposal will be taken up in CMETS-NR meeting for deliberations.

A. Tidong HEP (150 MW)

Interim Connectivity (through HPPTCL system)

➤ LILO of one circuit of Kashang – Bhaba 220 kV D/c line (under the scope of applicant)

Interim Connectivity shall be through HPPTCL's system till Kashang-II/III generation commissioning, which is expected by 2026-27.

Final Connectivity:

Transmission system for Connectivity (under ISTS)

➤ Establishment of 2x315 MVA (7x105 MVA units) 220/400 kV GIS Pooling Station at Jhagi

- 400 kV Jhanggi -Wangtoo (Quad) D/c line

Transmission system for Connectivity (under scope of Applicant):

- Tidong HEP generation switchyard-Jhanggi PS 220 kV D/c line

B. Shongtong HEP (450 MW)

- LILO of one circuit of Kaza/Jhanggi -Wangtoo 400 kV (Quad) D/c line at Shongtong generation switchyard
- 80 Mvar Bus Reactor at generation switchyard of Shongtong HEP

Shongtong switchyard to be designed for carrying 4000 Amps current under nominal voltage

During the present CMETS-NR meeting, M/s TPGPL informed that they have also applied for LTA for 75 MW for which power has been tied up with U.P. Further, commissioning schedule of Kashang -II & III HEP was to be confirmed by HPPTCL/HPPCL, however, HPPTCL did not attend the meeting. Therefore, the implementation schedule of Jhanggi pooling station could not be confirmed.

M/s TPGPL confirmed that LILO length of Kashang – Bhaba 220 kV D/c line is approximately 17 kms and about 60-70 % works is already completed. CEA also stated that transmission system required for LTA of Tidong HEP should be finalized in a comprehensive manner and considering other hydro projects in that area like Shongtong HEP & Jhanggi HEP.

In view of this, it was decided that based on above, a separate meeting shall be held among CEA, CTU and generation developers of Sutlej Basin, who have applied for Connectivity/LTA to CTU. Based on the deliberations in this meeting, Connectivity shall be granted to M/s TPGPL.

5. Revision in LTA granted to SJVN Ltd. for Dhaulasidh HEP in Himachal Pradesh

It was deliberated that Connectivity in ISTS was granted to SJVNL for Dhaulasidh HEP (66 MW +10% overload) vide CTU letter dated 12/10/2017 at Hamirpur 400/220 kV (PG) substation through 220 kV Dhaulasidh-Hamirpur D/c line (under SJVNL scope). Further, LTA was also granted (66 MW-NR target) vide letter dated 29/04/2020 through existing transmission system from 30/11/2024 to 29/11/2049.

Subsequently, during the 3rd NRPC(TP) meeting held on 19/02/2021, Connectivity system for evacuation of power from Dhaulasidh HEP was revised at 220 kV Sujampur switching station (to be implemented by HPPTCL) through with LILO of Dehan- Hamirpur 220 kV D/c line of HPPTCL. It was also agreed that for evacuation of power from Dhaulasidh HEP, SJVN to construct a 220 kV D/c line

from Dhaulasidh to Sujanpur with single zebra configuration along with two number of 220kV bays at Sujanpur. Accordingly, it was decided that SJVNL to approach HPPTCL for grant of connectivity and CTU to revoke the connectivity granted & revise LTA for Dhaulasidh HEP at Hamirpur.

HPPTCL vide intimation dated 15/12/2021 had granted Connectivity to Dhaulasidh HEP (66 MW) through HPPTCL transmission system subject to capex approval of Sujanpur switching station by HPERC. In the 3rd CMETS meeting, SJVN requested to keep the revocation of Connectivity under ISTS on hold till resolution of capex approval issue as per HPPTCL intimation.

Subsequently, SJVNL vide email dated 14/06/2022 reverted that matter regarding capex approval as well as the evacuation of power from Dhaulasidh HEP through the HPPTCL network has been discussed and resolved with HPPTCL. SJVNL has also submitted the application for grant of LTA for Dhaulasidh HEP to /HPPTCL, which is under process.

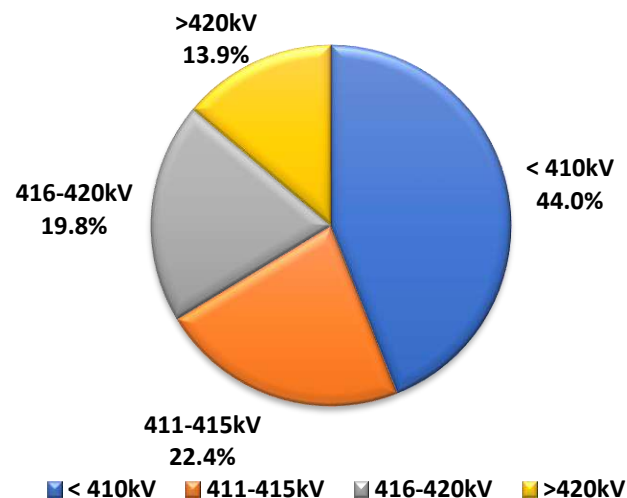
In view of above, it was decided that Connectivity granted to SJVN Ltd. for Dhaulasidh HEP in ISTS shall to be revoked and LTA in ISTS for the same shall also be revised for connectivity with the grid through HPPTCL's system.

B. ISTS Expansion in Northern Region

1. Replacement of 420kV 80 MVAR 3-Ph Bus Reactor at Ballabgarh

It was deliberated that in the 53rd NRPC meeting held on 29.04.22, POWERGRID agenda for replacement of 420kV 80 MVAR 3-Ph Bus Reactor at Ballabgarh was discussed. POWERGRID had approached CPRI to carry out Residual Life Assessment Studies for the 80 MVAR bus reactor at 400 kV Ballabgarh S/s. The bus reactor has completed 32 years of service and thus crossed its useful life of 25 years from commissioning. CPRI has recommended a replacement for the same. Considering above, NRPC decided that the matter may first be discussed in the Consultative Meeting of NR.

From the study results it was observed that taking the 80 MVAR bus reactor into service results in a voltage drop of around 1 kV at Ballabgarh Bus. If the 80 MVAR bus reactor is replaced with 125 MVAR the resultant voltage drop is around 2 kV. Voltage profile of 400 kV Ballabgarh S/s for the last one year (June'21-June'22) is as under:

Voltage Profile at Ballabgarh_2 400 kV bus

From above, it may be seen that 400kV Ballabgarh S/s voltage remained >415 kV for about 34% time. Considering above and the high voltage prevailing in NR grid, it is recommended to replace 420 kV 80MVAR bus reactor at Ballabgarh with 420 kV 125 MVAR bus reactor.

CEA and POSOCO also recommended for Replacement of 80MVAR (420kV) Bus Reactor at Ballabgarh S/s with 125 MVAR (420kV) Bus Reactor in view of prevailing high voltage issues in NR. POWERGRID also confirmed feasibility of replacement. In view of above, proposal for 125 MVAR (420kV) Bus Reactor was agreed.

2. Implementation of "N -1" contingency at RE pooling substations in NR

It was deliberated that CEA transmission planning criteria, section 16.2 mentions that "The 'N-1' criteria may not be applied to the immediate connectivity of wind/solar farms with the ISTS/Intra-STG grid i.e. the line connecting the farm to the grid and the step-up transformers at the grid station." The above criteria is also followed in planning of transmission system for integration of renewable energy zones in Rajasthan.

It was stated that POWERGRID vide letters dated 17th May 2022 & 19th May 2022 informed CTU that as per the current practice, N-1 criteria is not being implemented at planning stage of network with respect to step up transformers at RE pooling stations in Rajasthan (Bhadla-2, Fatehgarh-2 & Bikaner). Due to this, outage of any transformer in above stations will result into overloading of other transformers leading to cascaded tripping on overload/higher temperature and may adversely impact both RE generation as well as health of the transformers. In view of the above, POWERGRID requested CTU to implement additional 400/220kV ICTs at RE pooling stations to meet the N-1 criteria for smooth evacuation of power. POWERGRID also recommended that, N-1 criteria may be taken into consideration during planning stage for upcoming RE pooling stations.

Subsequently, in 54th NRPC meeting held on 31.05.2022, POSOCO highlighted the events of overloading of ICTs and cascaded tripping of generations at Bhadla in early stage of substation. POSOCO informed that in Fatehgarh-II PS also face similar loading levels are observed on 5 nos. 500 MVA ICTs. POSOCO also stated that the overloading of transformers, variations in their loading throughout the day and heating/cooling cycle do affect the life of the transformer in the long run. POSOCO stated that above observation were made by POWERGRID in NRPC meeting, however in minutes it is mentioned as POSOCO comments. POSOCO suggested that high RE capacity Substations must have N-1 compliance at 400/220 kV level i.e., Fatehgarh-II (both sections)/Fatehgarh-III PS, Bhadla-II PS etc. for which revised transmission planning criteria must have suitable provisions. In addition, bus sectionalization at pooling station should have arrangements such that sharing on ICTs loading on each bus remain commensurate with underlying RE connected generation and ICTs on each bus should be N-1 compliant. NRPC agreed in the meeting that CTU may explore possibility of ensuring N-1 compliance at 400/220kV RE pooling stations with higher RE capacity on case-to-case basis and take up the ICT augmentation proposal for approval on priority.

Accordingly, requirement of 400/220kV ICTs at each section of Bhadla-2, Fatehgarh-2 & Bikaner PS to meet the N-1 compliance were deliberated as under:

S. No.	Substation (Section)	Transformation Capacity (MVA)	Stage-II Connectivity at 220 kV level (MW)	RE Capacity Commissioned (MW)	LTA Granted (MW)	Remarks
1	Fatehgarh-2 (Section 1) 6 th ICT of 500MVA	5x500	2490	1990	2490	It was stated that balance 500MW capacity is expected to be commissioned in next 1-2 months. Accordingly, 400/220kV, 1x500MVA (6 th) ICT in Section-1 was agreed to be taken up on urgent basis to meet 'N-1' criteria

S. No.	Substation (Section)	Transformation Capacity (MVA)	Stage-II Connectivity at 220 kV level (MW)	RE Capacity Commissioned (MW)	LTA Granted (MW)	Remarks
2	Fatehgarh-2 (Section 1A) 6 th ICT of 500MVA	4x500	2470	NIL	1820	<p>It was deliberated that Augmentation with 400/220kV, 1x500MVA Transformer (10th) at Fatehgarh-2 PS (5th ICT at Section-1A) was allocated to POWERGRID vide MoP OM dated 01.12.21 with implementation timeframe of 15 months from MOP OM or condition of evacuation requirement 4490 MW at 220 level of Fatehgarh-2 whichever is later</p> <p>At Present LTA of 4610MW is granted/agreed for grant at Fatehgarh-2 PS (1820MW at Section 1A). With this the total evacuation requirement at 220 level of Fatehgarh-2 will be 4610 MW(>4490 MW). Accordingly, the 5th ICT at Fatehgarh-2 Section-1A is being taken up along with LTA of Eden Bercy.</p> <p>Further, 1x500MVA 6th ICT at Section-1A at Fatehgarh-2 PS is to be taken up to meet "N-1" criteria in corresponding RE generation schedule with LTA beyond 2000 MW (at 220kV level) at Section-1A as well as well as for evacuation requirement beyond 2000MW in section-1A (with M/s Eden Renewable Bercy evacuation requirement is 2120MW at 220kV level)</p> <p>Schedule of above ICT is to be matched with LTA grant schedule of M/s Eden Bercy (Mar'24)</p>
3	Bikaner PS 1x500MVA (3rd) & 1x500MVA (4th)	2x500	1110	204	935	<p>It was stated that Cumulative RE generation of more than 800 MW will be commissioned in next 3-4 months in Bikaner PS 220 KV level. Therefore, 400/220kV, 1x500MVA (3rd) ICT may to be taken up on urgent basis to meet 'N-1' criteria. The ICT will also facilitate evacuation requirement beyond 1000MW at 220kV level of Bikaner PS.</p>

S. No.	Substation (Section)	Transformation Capacity (MVA)	Stage-II Connectivity at 220 kV level (MW)	RE Capacity Commissioned (MW)	LTA Granted (MW)	Remarks
						Further, 400/220kV, 1x500MVA (4 th) ICT was agreed for LTA beyond 1000 MW at Bikaner (220kV level)
4	Bhadla-2 (Section 1) 6 th ICT of 500MVA	5x500	2375	600	2075	For LTA quantum of 2075 MW, 5x500 MVA ICT is under establishment at Bhadla-2 Section 1. POSOCO suggested that ICT may be taken up with the additional LTA beyond 2075 MW to meet 'N-1' criteria. Accordingly, it was decided that 400/220kV, 1x500MVA (6 th) ICT is to be taken up with the additional LTA beyond 2075 MW
5	Bhadla-2 (Section 1A) 4 th ICT of 500MVA	3x500	1520	NIL	420	3x500 MVA ICT is under establishment at Bhadla-2 Section 1A. LTA quantum at above 220kv section is 420 MW. 400/220kV, 1x500MVA (4 th) ICT may to be taken up for implementation with LTA beyond 1000 MW (220kV level) to meet 'N-1' criteria

It was noted that in the Draft CEA Transmission planning criteria-2022, it is mentioned that *“N-1 reliability criteria may be considered for ICTs at the ISTS /STU pooling stations for renewable energy-based generation of more than 1000 MW after considering the capacity factor of renewable generating stations.”*

It was stated that, all the above substations are closed for grant of Stage-II connectivity on new bays. Therefore, with implementation of additional ICTs at each 400/220 kV section as mentioned in the above table, the N-1 compliance of above RE pooling stations can be achieved. POWERGRID vide mail dated 26.05.2022 confirmed the availability of space at these substations for implementation of additional ICTs at each 400/220 kV sections of Fatehgarh-2, Bhadla-2 & Bikaner PS along with Cable/GIS duct connection requirement.

Considering the security and reliability of the system, it was agreed to implement additional ICTs in each 400/220 kV sections of the RE pooling stations in order to meet the N-1 criteria as well as to meet the evacuation requirement. Scheme was agreed to be implemented in phases as under:

A) ICTs agreed to be taken up for implementation as system strengthening scheme on urgent basis

1. Augmentation with 400/220kV, 1x500MVA Transformer at Fatehgarh-2 PS (6th ICT at Section-1 with cable/GIS duct connection at 220kV side)
2. Augmentation with 400/220kV, 1x500MVA Transformer at Bikaner PS (3rd ICT)

B) ICTs agreed to be taken up for implementation on receipt of commensurate LTA quantum at RE pooling stations as shown below

1. Augmentation with 400/220kV, 1x500MVA Transformer at Bhadla-2 PS (4th ICT at Section-1A)
Implementation Timeframe: 15 months from the date of allocation of project or evacuation requirement beyond 1000 MW at 220kV level of Bhadla-2(Section-1A) whichever is later.
2. Augmentation with 400/220 kV 1x500 MVA (6th) ICT at Fatehgarh-2 PS (In Section-1A with cable/GIS duct connection at 220kV side)
Implementation Timeframe: 15 months from the date of allocation of project or evacuation requirement beyond 2000 MW at 220kV level of Fatehgarh-2(Section-1A) or LTA grant schedule of M/s Eden RE Bercy (Mar'24) whichever is later.
3. Augmentation with 400/220 kV 1x500 MVA(4th) ICT at Bikaner PS
Implementation Timeframe: 15 months from the date of allocation of project or evacuation requirement beyond 1000 MW at 220kV level of Bikaner PS whichever is later.
4. Augmentation with 400/220kV, 1x500MVA (6th) ICT at Bhadla-2 PS (In Section-1 with cable/GIS duct connection at 220kV side)
Implementation Timeframe 15 months from the date of allocation of project or evacuation requirement beyond 1000 MW at 220kV level of Bikaner PS whichever is later.

For optimal utilization of ICTs, it is recommended that Schedule for Part-B for S.No. 1,3, and 4 ICTs to be matched with RE generation schedule.

3. Space Allocation for Installation of 500 MW/1000MWh Standalone Battery Energy Storage Systems (BESS) at Fatehgarh-III PS

It was deliberated that Fatehgarh-III PS was planned to facilitate integration and evacuation of power from about 8GW RE potential envisaged in that area. Above PS is under implementation as part of Rajasthan SEZ Phase-II system by M/s POWERGRID Ramgarh

Transmission Ltd. (PRTL). Land is already acquired by M/s PRTL as per the scope (present and future) mentioned in the RFP. Extension of Fatehgarh-III PS is approved as part of Phase-III System which is currently under bidding.

In order to optimize generation mix and also for better utilization of the transmission infrastructure, SECI has issued RfS for setting up of Pilot Project of 500 MW/1000MWh Standalone Battery Energy Storage Systems. In this regard, SECI vide email dated 14/10/21 & 16/12/21 to CTU, mentioned that as recommended by the steering committee appointed by Gol, land may be arranged at Fatehgarh-III PS for the first BESS project of 500MW/1000MWh capacity. SECI had further requested for draft lease agreement to be signed between owner of pooling station and BESS developers.

It was mentioned that any ISTS licensee who acquires the land to establish ISTS Substation as per the given scope of works (present+future), need to allow other TSP/RE generator for installation of connectivity bays, for which there is no requirement of leasing or subleasing of the land. CTU vide letter dated 20.06.2022 to SECI, clarified the same and in-principally informed about space allocation for BESS at Fatehgarh-III PS. CEA enquired on mode of interconnection of above BESS at Fatehgarh-3 PS. CTU clarified that BESS is proposed to be connected at 220kV level in above Substation

Based on above deliberations, proposal of providing 13 acres space of land for installation of 500 MW/1000MWh Standalone Battery Energy Storage Systems (BESS) at Fatehgarh-III PS for entire term of Battery Energy Storage Purchase Agreement was agreed.

4. Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex)

It was deliberated that Transmission system for evacuation of power from Rajasthan Solar energy zones was evolved in various phases i.e Phase-I (8.9 GW), Phase-II (8.1 GW) & Phase-III (20 GW). The Ph-I transmission scheme is already commissioned whereas Ph-II is under various stages of implementation. The phase-III scheme is under tendering stage

Further, MNRE vide letter No. 367-13/1/2021-GEC dated 15.02.2022 addressed to Joint Secretary (Trans), MoP, had forwarded the Renewable Energy Zones (REZs) identified by MNRE/SECI with a total capacity of 181.5 GW for likely benefits by the year 2030. Transmission plan has to be prepared for the identified RE zones. These REZ's are located in eight states, out of which 75 GW REZs includes state of Rajasthan comprising of 15 GW Wind and 60 GW Solar potential.

District-wise breakup of identified RE Zones (potential) in NR is given below (Table-1):

State	District	Potential (GW)		Evacuation capacity to be planned (GW)
		Wind	Solar	
Rajasthan (75 GW)	Santhore, Sirohi, Jalor, Pali, Ajmer, Bikaner, Nagaur(non GIB Zone)		30	16
	Barmer, Jaisalmer, Jodhpur (GIB Zone)	15	30	32

Accordingly, a Comprehensive transmission scheme evolved for evacuation of 75GW RE from Rajasthan. Out of above comprehensive scheme, transmission scheme is evolved for about 8GW (Solar) in Bikaner complex (14 GW potential along with 6 GW BESS) in Rajasthan RE. At Bikaner-II PS, St-II Connectivity for 5.6 GW RE, against the potential of 1.9 GW (revised from 2.9GW identified under Ph-II), is already received. Accordingly, BESS may not be accounted for net dispatch at Bikaner-II PS while evolving the evacuation scheme and evacuation for additional 3.7 GW capacity is required from Bikaner-II PS. For 7GW additional solar potential at Bikaner-III along with 3GW BESS, evacuation system (4 GW) shall also be required.

Further details of St-II connectivity and LTA received in Bikaner complex is as under:

Pooling Station	St-II Connectivity received (MW)	LTA received (MW)	Dispatch Considered in studies (MW)
Bikaner	3750	3275**	3750
Bikaner-II	5575	1500**	5575
Bikaner-III	1060*	-	4000

*St-II application of 300MW at Bikaner-III agreed for grant in present CMETS-NR meeting

**LTA application of 300MW at Bikaner and 1200MW at Bikaner-II agreed for grant in present CMETS-NR meeting

It was deliberated that the evacuation system planned earlier in Ph-I, II, III from Bikaner complex was adequate for evacuation of about 4.8 GW RE potential from Bikaner complex. however, recently due to restrictions in GIB area, CTU has received more no. of connectivity applications in Bikaner complex. Stage-II connectivity received at Bikaner (PG) & Bikaner-II PS has already exceeded the envisaged potential in Bikaner complex as part of Ph-I (2.9 GW) and Ph-II (1.9 GW) potential.

Upon grant of about 5.575 GW St-II Connectivity, in the 5th & 6th Consultation Meeting for Evolving Transmission Schemes in Northern Region, no further grant for St-II connectivity at 400/220kV Bikaner-II was decided. However, to effect LTA of entire Stage-II grant at Bikaner-II, additional corridors shall need to be planned from Bikaner-II PS. Further, as Bikaner and Bikaner-II PS are interconnected, power flow on interconnection is influenced by RE generation dispatched at each Pooling station as cumulative St-II connectivity granted for about 10 GW (Incl. possible enhancement) on both the pooling stations. Considering space limitation of 400kV bays for additional corridors as well as 765/400kV ICTs at Bikaner PS, there is limitation on evacuation of power from Bikaner PS.

Accordingly, Studies were carried out for 2025-time frame for solar maximized scenario (afternoon peak) in June and February seasons and load flow results were circulated

HVPN vide letter 28.06.22 sent their observations on agenda/studies. HVPN stated that proposed scheme comprises LILO of both ckts of Sohna Road(GPTL)-Manesar(PG) D/c line at Neemrana-2 S/s and with above LILO, 400/220kV ICTs at Manesar S/s as well as downstream network of 400/220kV Sohna Road and Manesar become “n-1” non-compliant. CTU vide mail 29.06.22 also provided reply on HVPN observations. In the meeting CTU stated that to divert the loading from Manesar S/s, LILO of both ckts of Gurgaon(PG)-Sohna Road(GPTL) D/c line in place of LILO of both ckts of Sohna Road(GPTL)-Manesar(PG) D/c line at Neemrana S/s was studied and It was observed that with above proposed LILO, issue of “n-1” non-compliance at 400/220kV ICTs at Manesar is resolved. HVPN requested to provide revised study file to examine the proposal. Revised study files for February & June solar maximized scenario shared to all constituents on 01.07.22 for observations/concurrence on the scheme by 05.07.22

HVPN also stated that load of Haryana is taken lesser in study files. CTU stated that load is taken based on 19th EPS data as well as demand factors provided by POSOCO in various scenarios in earlier planning studies. Subsequently, HVPN vide letter 05.07.22 concurred the proposal of LILO of both ckts of Gurgaon (PG)-Sohna Road(GPTL) D/c line at Neemrana-2 S/s(85 km) in place of LILO of both ckts of Sohna Road(GPTL)-Manesar(PG) D/c line at Neemrana-2 S/s(70 km) as part of proposed transmission scheme. PSTCL stated that 50MVAR line reactor at Ropar end of Koldam-Ropar line may be considered in studies. CTU replied that line reactor is switchable and it can be switched on/off as per requirement and there is no significant impact on inclusion of above line reactor in study results In the meeting, PSTCL stated that prima facie they agreed on the proposal, however they will examine the proposal and provide the comments if any. However, no comments from PSTCL is received.

CEA concurred the proposal and stated that proposed transmission scheme for evacuation of power from Bikaner complex is in line with Comprehensive transmission scheme evolved for evacuation of 75GW RE from Rajasthan.

In the meeting as well POSOCO mail dated 01.06.22, it was stated that stability studies may be carried out for 765kV highly loaded long transmission lines emanating from RE pockets in Rajasthan. In the mail, it was also stated that recently it has been observed, outage of lines in solar complexes is leading to oscillations in the grid, it is important that transient studies are also carried out at system planning to assess the transmission elements required so that minimal or no oscillations are observed in real-time. For outage of one ckt of such lines, there is possibility of line loading increasing more than 3500MW or angular difference > 30deg.

CTU stated that they are facing severe convergence issues with RE models while performing stability studies. CTU requested POSOCO to share dynamics file as well as latest conventional/RE models. Meanwhile CTU will carry out the P-V, Q-V analysis for such highly loaded 765kv lines and results will be depicted as part of minutes of above meeting. Accordingly, CTU carried out P-V and Q-V analysis of such candidate lines and it is observed that system is stable under various contingencies. Result of above analysis is enclosed in **Exhibit-1**.

POSOCO also stated that RE generators are lumped and connected at 400/765kV level and are supporting the grid, however in real time, solar generators are drawing huge MVAR instead of supporting the grid.

CTU stated that planning studies are being carried out considering 0.98pf of all solar generators, however as per CEA technical standard 2013 “the generating station shall be capable of supplying dynamically varying reactive power support so as to maintain power factor within the limits of 0.95 lagging to 0.95 leading”. Therefore, margin is already kept for real time operation. However, in case of unity pf considered in planning studies, reactive power requirement (Injection in peak solar time/absorption in no solar hours) will be very high.

RVPN vide mail 06.07.22 informed that they do not foresee any drawl requirement from Neemrana-2 S/s in future, accordingly scope for provision of space for 400/220kV ICTs as well as 220kV bays at Neemrana-2 S/s need not to be kept.

Considering grant of connectivity to new RE generators in Bikaner complex (incl. Bikaner-III) as well as for evacuation of power beyond Bikaner complex (Bikaner/Bikaner-II/Bikaner-III PS), following transmission scheme was agreed for evacuation of power from Rajasthan REZ Ph-IV (Part-1) [Bikaner complex] in the meeting:

Proposed Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1)

Bikaner-II : 3.7GW (Solar) + Bikaner-III : 4GW (7GW Solar+3GW BESS)

- Establishment of 6x1500 MVA, 765/400 kV & 5x500 MVA[^] 400/220 kV Bikaner-III Pooling Station along with 2x330 MVar (765kV) Bus Reactor & 2x125 MVar (420kV) Bus Reactor at a suitable location near Bikaner (Assuming 2 GW injection at 220 kV level and 2 GW injection at 400 kV level)
- Augmentation with 400/220 kV, 5x500 MVA[^] ICT at Bikaner-II PS
- Augmentation with 765/400 kV, 1x1500MVA ICT (4th) at Bikaner (PG)
- LILO of both ckts of 400kV Bikaner (PG)-Bikaner-II D/c line at Bikaner-III PS (~20 km)
- Bikaner-II PS – Bikaner-III PS 400 kV D/c line (Quad) (~30 km)
- Establishment of 765/400 kV, 4x1500 MVA Neemrana-II S/s along with 2x330 MVar (765kV) Bus Reactor & 2x125 MVar (420kV) Bus Reactor at a suitable location near Neemrana
- Bikaner-III – Neemrana-II 765 kV 2xD/c line (~350 km) along with 330 MVar switchable line reactor for each circuit at each end
- Neemrana-II- Bareilly(PG) 765 kV D/c line (~350 km) along with 330 MVar switchable line reactor for each circuit at each end
- Neemrana-II -Kotputli 400 kV D/c line (Quad)(~70 km)
- Augmentation by 400/220 kV, 1x500 MVA (3rd) ICT at Kotputli (PG)
- LILO of both ckts of Sohna Road(GPTL)-Gurgaon(PG) D/c line at Neemrana-II S/s (~85 km)

[^]incl 1x500MVA ICT to fulfill 'N-1' requirement

Future provisions at Bikaner-III PS*:

Space for

- 765/400kV ICT along with bays- 1 no.
- 765 kV line bays along with switchable line reactors – 4 nos.
- 765kV Bus Reactor along with bay: 1 no.
- 400 kV line bays along with switchable line reactor –4 nos.
- 400 kV line bays–4 nos.
- 400/220kV ICT along with bays -5 nos.
- 400 kV Bus Reactor along with bay: 1 no.
- 400kV Sectionalization bay: 2 sets
- 220 kV line bays for connectivity of RE Applications -12 nos.
- 220kV Sectionalization bay: 3 sets
- STATCOM (2x±300MVar) along with MSC (4x125 MVar) & MSR (2x125 MVar)

Future provisions at Neemrana-II S/s:

Space for

- 765/400kV ICT along with bays- 2

- 765 kV line bays along with switchable line reactors – 6
- 765kV Bus Reactor along with bay: 1 nos.
- 400 kV line bays along with switchable line reactor –6
- 400 kV Bus Reactor along with bays: 1 no.
- 400kV Sectionalization bay: 2 sets

Estimated Cost : Rs 12,000 Cr (Tentative)

However, out of above agreed scheme, 765/400kV ICT (4th) at Bikaner (PG) S/s and 400/220 kV, 5x500 MVA ICT at Bikaner-II PS may be taken up based on evacuation requirement beyond Bikaner/Bikaner-II PS.

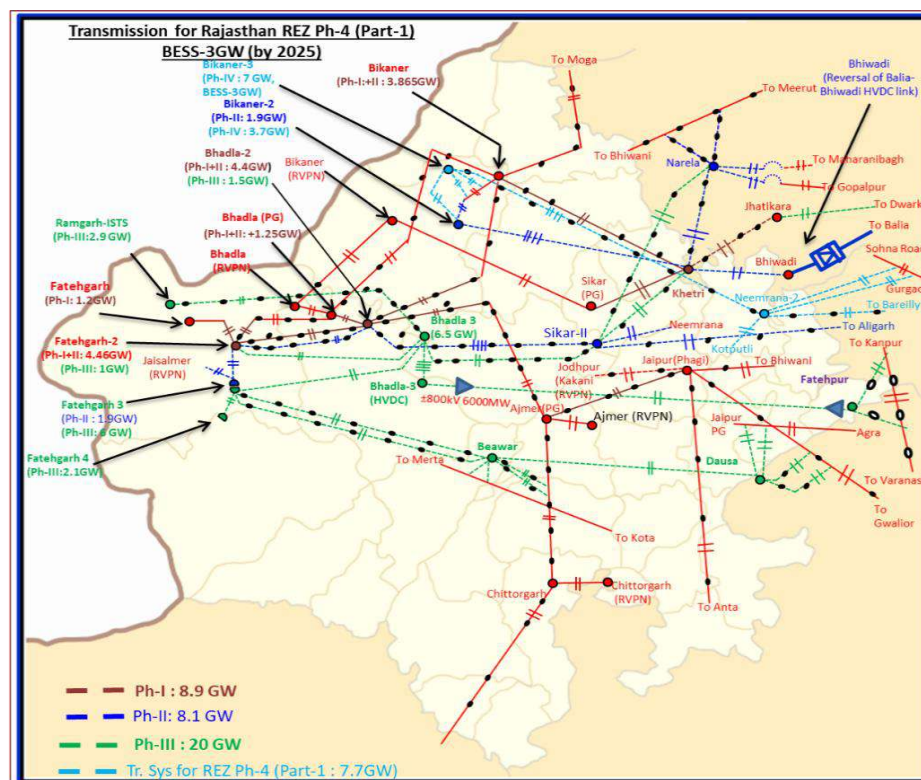


Fig 1: Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex)

5. High voltages in the Northern Region Grid

It was deliberated that Northern region experiences large variation in demand over various seasons and time of day. At present the demand varies from 74GW in Summer evening peak to about 28GW in winter off-peak time. Likewise, the demand in NR vary from 101GW in Summer evening peak to 44GW in Winter night off peak time in 2026-27 timeframe.

Additionally, NR has huge RE generation (mainly wind and solar) envisaged in western Rajasthan. At present NR has RE capacity of about 28GW which is envisaged to be increased to 67GW by 2026-27. Similarly, NR has 21GW of existing hydro capacity and more large scale hydro generation projects envisaged in J&K, Himachal Pradesh and Uttarakhand in next 4-5 years. As no solar generation available in evening and night time, whereas wind and hydro generation is also minimal in winter season, high voltage are observed in studies in various planning scenarios also by 2026-27-time frame.

In the 4th NRPC (TP) meeting held on 5.10.2021 and 12.10.2021, issue of high voltage and requirement of reactive compensation at the various substations in NR was discussed along with agenda of installation of line reactors as discussed in 3rd NRPC (TP) meeting. In above meeting, POSOCO also analyzed the issue of high voltages in Northern region and made a presentation highlighting the various nodes (44 nos.) in NR which are experiencing high voltages for which POSOCO proposed bus reactors at 39 nos. of nodes. After deliberations in above meeting, following was agreed :

- STUs would provide inputs regarding the reactors planned at various intra-state substations in the respective states along with their implementation timelines.
- STUs would explore the possibility of installation of reactors at the node mentioned in meeting and accordingly intimate to CEA and CTUIL
- Based on the inputs from STUs, CTUIL would carry out the studies to assess the requirement of reactive compensation at various nodes in Northern Region to overcome the issue of high voltages

It was deliberated that various transmission schemes are planned and expected to be implemented in short/medium-term scenarios in NR. The major such transmission schemes are as under

- 1) Transmission system strengthening scheme for evacuation of power from SEZ in Rajasthan Ph-II (8.1 GW)/Ph-III (20 GW)
- 2) Comprehensive Transmission system for evacuation of power from HEPs in J&K (Pakaldul/Ratle/Kiru)
- 3) Transmission system for evacuation of power from Luhri Stage-I, II & Sunni Dam
- 4) Transmission system for evacuation of power from REZ in Rajasthan (20GW) under Phase-III

- 5) Transmission system for Kaza Solar park
- 6) Reactive Power Compensation at various substations in NR at ISTS and intra state level (as approved in 39th SCM-NR)
- 7) Implementation of 500 MVAR Thyristor Controlled Reactor at Kurukshetra

With implementation of above schemes, reactive compensation requirement will reduce due to associated reactive compensation as well as increase of Grid strength. Due to change in LGB in various planning scenarios, nodes of high voltages coming in future are also different from existing nodes. The list of future bus reactors at various proposed substations in NR is as under:

Table 1: Future bus reactors in NR

S.No	Name of Substation	Voltage Level (kV)	Owner	Planned BR (MVar)
1	Bamnoli	220	DTL	2*25
2	Indraprastha	220	DTL	2*25
3	Harsh Vihar	220	DTL	2*50
4	Electric Lane	220	DTL	1*50
5	Mundka	220 & 400	DTL	25+125
6	Peera Garhi	220	DTL	50
7	Gopalpur	400	DTL	125
8	Tikri Khurd	400	DTL	125
9	Maharanibagh	400	ISTS	125
10	Mandola	400	DTL	125
11	Narela	400 & 765	ISTS	1*125+2*330
12	Chamera PS	400	ISTS	63 ⁵
13	Kala Amb	400	ISTS	125
14	Kaza PS	400	ISTS	2*80
15	Nanje PS	400	ISTS	125
16	Koldam	400	ISTS	125
17	Kishtwar (GIS)	400	ISTS	125
18	Siot	400	ISTS	80
19	Pakaldul	400	CVVPL	125
20	Ratle	400	NHPC	125
21	Drass	220	ISTS	2*25

S.No	Name of Substation	Voltage Level (kV)	Owner	Planned BR (MVar)
22	Alusteng	220	ISTS	25
23	Kishenpur	400 & 220	ISTS	125+25
24	Dhuri	220 & 400	PSTCL	25+125
25	Nakodar	220	PSTCL	25
26	Sikar –II	400 & 765	ISTS	1*125+2*330
27	Bikaner-II PS	400	ISTS	2*125
28	Fatehgarh-4	400	ISTS	2*125
29	Bhadla-3	400 & 765	ISTS	2 *125+2*330
30	Ramgarh	400 & 765	ISTS	2 *125+2*240
31	Fatehgarh-3	400 & 765	ISTS	2 *125+2*330
32	Beawar	400 & 765	ISTS	2 *125+2*330
33	Dausa	400 & 765	ISTS	2 *125+2*330
34	Jodhpur (Kankani)	400 & 765	RVPN	1*125+1*330
35	Fatehpur(HVDC)	765	ISTS	2*330
36	Ghatampur	765	UPPTCL	330
37	Obra C	765	UPPTCL	3*63
38	Jawaharpur	765	UPPTCL	330
39	Rampur	765	UPPTCL	330
40	Modipuram	765	UPPTCL	240
41	Ghatampur	400	UPPTCL	125
42	Shamli	400	UPPTCL	125
43	Sambhal	400	UPPTCL	125
44	Obra C	400	UPPTCL	63
45	Jawaharpur	400	UPPTCL	63
46	Mohanlalganj	400	UPPTCL	125
47	Meerut	400	UPPTCL	80
48	Sahupuri	400	UPPTCL	125
49	Jaunpur	400	UPPTCL	63

S.No	Name of Substation	Voltage Level (kV)	Owner	Planned BR (MVar)
50	Farrukhabad	400	UPPTCL	125
51	Maheba	400	UPPTCL	125
52	Firozabad	400	UPPTCL	125

\$- being reviewed due to transportation constraints

It was also stated that as per POSOCO's operational feedback report of Quarter-4 (Jan'22-Mar'22), 43 nos. of substations experienced high voltage in the quarter. In the report, it is mentioned that there are 124 nos. of 400kV & above lines opened multiple times on High Voltage in last quarter in NR. Frequent switching of transmission lines to control system voltages has been observed in the NR grid during various seasonal scenarios. POWERGRID vide letter 07.02.22 also mentioned that in Northern Region, 852 times of 400kV & above lines (91 nos. of lines) manually opened to control system voltage and 6 nos. of lines tripped on Over Voltage in Jan'22. POWERGRID informed that the frequent switching of transmission line reduces the life of transmission assets and its impact has been already highlighted to RPCs/RLDCs in various meetings.

From the analysis it emerged that line compensation for transmission network (400kV and above) by 2025-26 in Northern region, percentage line compensation and total compensation (line+bus) in ISTS is about 61% and 105% respectively, whereas in STU system, the percentage line compensation and total compensation (line+bus) is about 39% and 89% respectively.

Further, it was stated that 220 kV transmission lines of STU system as well Capacitor banks installed at downstream level also contributes significant MVARs in system especially during light load condition as However, very less compensation provided by STUs at 220kV level and below network, non-switched off Capacitor banks at downstream network adds significant reactive power flows into 400 kV network through 400/220 kV ICTs of ISTS and STU substations.

The graph (Fig 1) depicts, the actual maximum MVar injection on night off peak time of a typical day (06.12.21) from 220 kV to 400 kV network through 400/220 kV ICTs in NR states.

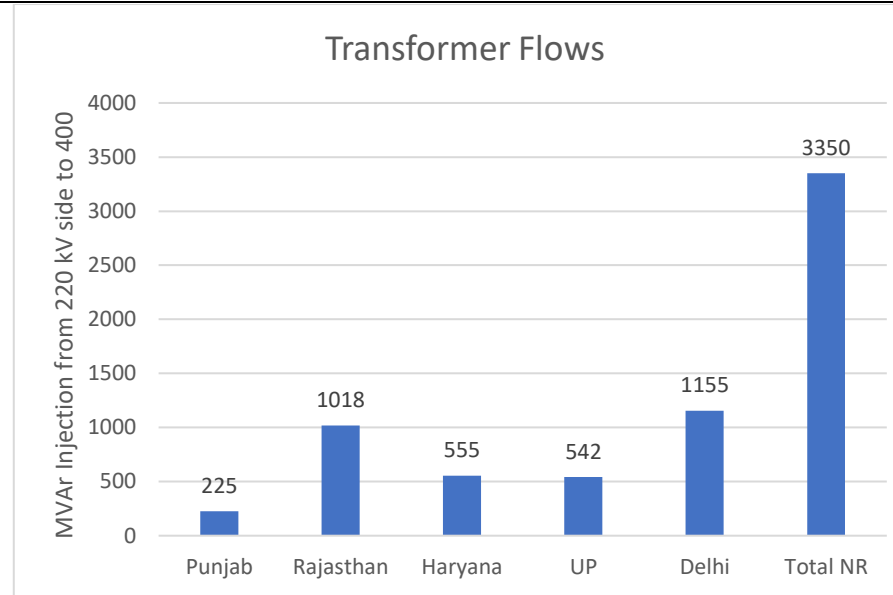


Fig 1: Maximum MVAR injection on a typical night (source: NTAMC, POWERGRID).

The graph in (Fig 2) depicts total MVAR flows from 220 kV to 400 kV system through 400/220 kV ICTs in NR at different hours on the night of 06/12/21

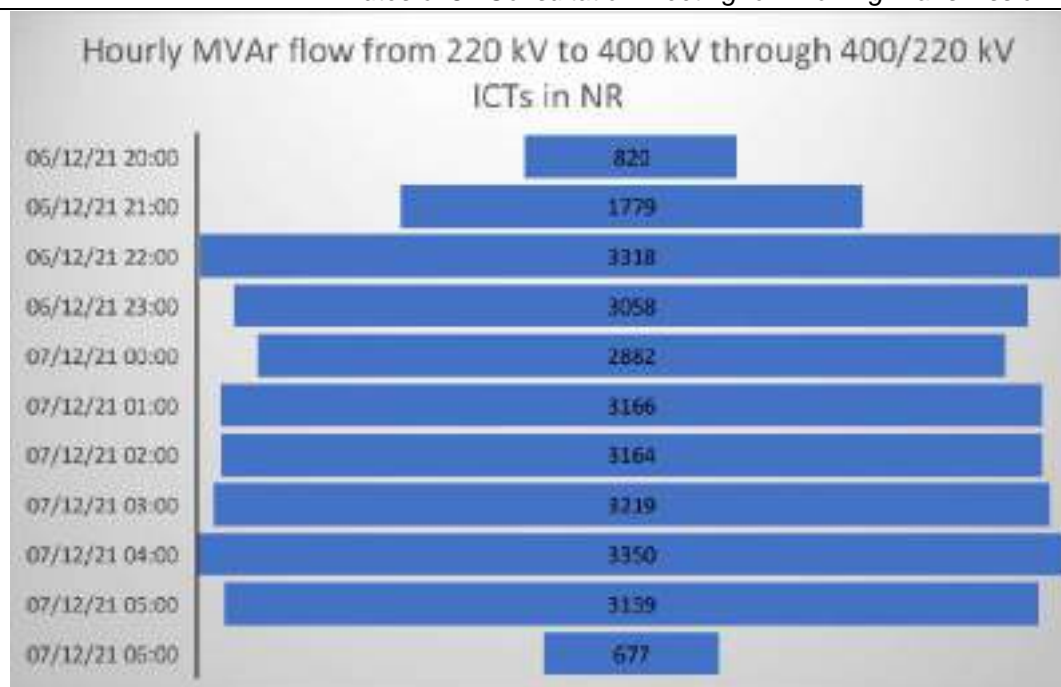


Fig 2: Total MVar flow from 220 kV to 400 kV through 400/220 kV ICTs (source: NTAMC, POWERGRID)

From the Studies it was also emerged that in most of the substations reactive power is injected from 220 kV side through 400/220kV transformer due to inadequate reactive compensation in STU system.

It was deliberated that based on data received regarding existing/planned reactors and space availability at various substations, CTU carried out the comprehensive reactive compensation studies for winter off-peak scenario of the year 2026-27. Based on the studies, following pockets were identified wherein reactive compensation measure is required to control high voltages and accordingly, new 420kv bus reactors are proposed to mitigate above high voltage issue. Details are as under

S.No.	Pocket/State	No of Substations on which HV observed in studies	HV observed in operational feedback report (POSOCO)	New 125MVar (420kV) bus reactors proposed based on studies	Remarks
1	Punjab	15 nos. (all 400kV substations)	9 nos.	4 nos. (Makhu, Rajpura, Mukatsar/Behman Singh (Malkana), and Dhanansu)	High voltage observed in night off peak scenario of Q1 (Apr-Jun), Q3(Sep-Dec) and Q4(Jan-Mar) (more prevailing in winters) due to large variation in demand from peak paddy season in monsoon (14GW) to winter night off (3.5GW)
2	Haryana	3 nos.	12 nos. (on most of 400kV substations)	4 nos. (Deepalpur, Nuhyanwali, Kaboolpur and Nawada)	High voltage observed in night off peak scenario of Q1 (Apr-Jun), Q3(Sep-Dec) and Q4(Jan-Mar) (more prevailing in winters) due to large variation in demand from evening peak demand in summers (12GW) to winter night off (3.8GW)
3	Delhi	-	5 nos.	-	High voltage observed in night off peak scenario of Q1 (Apr-Jun), Q3(Sep-Dec) and Q4(Jan-Mar) (more prevailing in winters) due to large variation in demand from evening peak demand in summers (7.5GW) to winter night off (1.5GW) over the year
4	Uttar Pradesh	3 nos	3 nos.	2 nos. (Badaun and Maheba)	
5	Rajasthan	-	3 nos.	-	
6	Himachal Pradesh	8 nos.	4 nos.	-	In winter season (Q3 and Q4) due to less availability of water as well as less demand in Northern region, hydro generation is minimally dispatched and few are operated in synchronous condenser mode.
7	Uttarakhand	10 nos.	-	-	
8	J&K	1 no.	-	1 no. (Pipalkoti)	

S.No.	Pocket/State	No of Substations on which HV observed in studies	HV observed in operational feedback report (POSOCO)	New 125MVA bus reactors proposed based on studies	Remarks
					At present, high voltages are observed in some of substations of J&K/HP/Uttarakhand. However, with envisaged hydro generation in next 4-5 years i.e. Pakaldul, Kiru, Kwar, Ratle, Shangtong, Tapovan Vishnugarh, Vishnugad Pipalkoti, Tehri PSP, Luhri St-I, II, Sunni Dam etc., critical high voltages are observed in studies

With above proposed reactive compensation, it may be observed from table 9 that, voltages on all EHVAC substations of High voltage pockets is within limit (≤ 1.03 pu).

CTU also shared the study files and its observations with POSOCO, CEA, PSTCL and HVPN through various mails. In the meeting as well as in mail dated 01.06.22, POSOCO stated that Gas generating stations are generally not absorbing MVAR as observed in winter months as well as dispatch of Anta, Bawana and Auraiya Gas generation may also be reduced/unit may be switched off in winter scenario. It was also stated that MVAR Support from nuclear stations may also not be considered and reactive power support (absorption) from thermal generators may also be taken only upto 10% of Pmax. It was also highlighted that in real time operation scheduled voltage of some of thermal units Dadri, Bawana, Talwandi Saboo, Rajpura, Khedar, IGSTPP Jhajjar is about 1.03 pu in place of 1 pu considered in studies. It was stated that Internal generation of states such as Punjab and Haryana may be ramped down to realistic values as well as number of hydro machines not available for generation in offpeak winter scenario.

CTU stated that they will incorporate the POSOCO comments in study files suitably and revised proposal along with reply of above observations will be shared shortly for finalization of proposal for installation of bus reactors to control high voltage in NR grid.

HVPNL stated that in the study file shared by CTU, the voltages at all the 400 kV buses of Haryana was within limits even after switching off the aforesaid reactors, however voltages go beyond limits in real-time scenario. Accordingly, it is requested to kindly re-examine the proposal. CTU stated that due to non-availability of bus reactors at 400kv level in HVPN intra state network, reactive

power flows from 220kV to 400kV network through 400/220kV ICTs and due to above high voltages are observed in real time operation. Same was also noted in POSOCO's operational feedback reports. Therefore, suitable bus reactive compensation is required at intra state network at 400kv level

HVPN also intimated that 400kV substations Kabulpur and Deepalpur were executed in PPP mode, the placement of bus reactors at these substations will not be feasible in the present scenario due to contractual constraints and limit of change of Scope in the PPP Project. Further CTU suggested HVPN to consider the bus reactors at least two substations, out of the 4 nos. proposed by CTU viz Deepalpur, Nuhianwali, Kaboolpur and Nawada. HVPN stated that they will revert on the same, however they will plan bus reactors in 400kV substations in future. HVPN vide mail 15.07.22 also informed that the application of bus reactors will lead to increase in transmission losses of HVPNL network and may lead to transmission losses beyond the limits set by HERC.

PSTCL stated that they will examine the proposal for bus reactors at PSTCL substations and will revert the same

CEA stated that due to high seasonal load and generation variation in NR, high voltages are observed and therefore STUs in association with their respective SLDC may plan adequate reactive compensation in advance. Observation of POSOCO should be taken care in studies

CTU requested all the constituents to provide their comments soon so that proposal for bus reactors may be finalized in next meeting

In the 3rd NRPC (TP) meeting held on 19.02.21, proposal for line reactive compensation on 400kV transmission lines (ISTS) was also discussed. In the meeting, it was deliberated that 400kV D/c (Twin moose) line of 200-240km line length typically has a line rise (Ferranti rise) of 10-14kV (without reactors) at open end during line charging. In addition, source rise will be added in total rise. In above scenario, during line charging of transmission lines of 200-240km length, voltage may breach permissible steady state voltage limit of 420kV due to consistently higher bus voltage (>410kV). Further, due to such high voltage during charging events, issues are also observed in line equipment healthiness.

In Northern region, ISTS lines of more than 200 km line length but without any line reactive compensation have been analyzed. As informed by POWERGRID, space was not available for placement of line reactive compensation in substations for some of the lines.

In above meeting, it was deliberated that based on information on availability of space in substation for placement of line reactive compensation, analysis has been carried out for following lines:

- 400kV Mainpuri- Ballabgarh D/c line (236 km)
- 400kV Kanpur- Allahabad S/c line (225 km)

- 400kV Agra- Bhiwadi ckt -2 (209 km)

In the above meeting, following was proposed:

- I. Installation of 50 MVAR switchable line reactor at Mainpuri end and fixed 50MVAR line reactor at Ballabgarh end on 400 kV Mainpuri- Ballabgarh D/c line - 236 km
- II. Installation of 50 MVAR switchable line reactor at Allahabad end on 400 kV Kanpur- Allahabad S/c line - 225 km
- III. Installation of 50 MVAR line reactor at Bhiwadi end for uncompensated circuit of 400 kV Agra- Bhiwadi D/c line - 209 km

Same was also deliberated in the 4th NRPC (TP) meeting held on 5.10.2021 and 12.10.2021.

NRLDC opined that it is recommended to install line reactors on such long lines and enquired about report for LA failure on Mainpuri and Ballabgarh end during charging of Mainpuri- Ballabgarh D/c line. Same was also requested by NRLDC vide mail dated 01.07.22. POWERGRID vide mail 06.07.22 sent the LA failure report to CTU, CEA and NRLDC. POWERGRID requested to take up the above proposal for line reactors on urgent basis.

After deliberations, it was decided and agreed that above proposed scheme may be segregated in two phases. In Phase-I, being an urgent requirement, line reactor proposal was agreed to be taken up for implementation. Details of the scheme is as under:

- I. Installation of 50 MVAR switchable line reactor at Mainpuri end and fixed 50MVAR line reactor at Ballabgarh end on 400 kV Mainpuri- Ballabgarh D/c line - 236 km
- II. Installation of 50 MVAR switchable line reactor at Allahabad end on 400 kV Kanpur- Allahabad S/c line - 225 km
- III. Installation of 50 MVAR line reactor at Bhiwadi end for uncompensated circuit of 400 kV Agra- Bhiwadi D/c line - 209 km

In Phase-II, bus reactive compensation will be reviewed based on study file after incorporating POSOCO and STUs observations.

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The following provisions shall be applied with respect to grant of connectivity to **RE projects** to the ISTS Grid:

- i. The grant of Stage-I Connectivity shall not create any vested right in favor of the grantee on ISTS infrastructure including bays. Stage-I Connectivity grantee shall be required to update the quarterly progress of development of their generation project and associated transmission infrastructure/dedicated line as per format **RCON-I-M** by 30th day of June and 31st day of December of each year. Further, Stage-I Connectivity grantees who fail to apply for Stage-II Connectivity within 24 months from grant of Stage-I Connectivity shall cease to be Stage-I grantee and their Application fees shall be forfeited.
- ii. If the capacity of the Stage-I Connectivity location is allocated to other Stage-II grantees, the balance Stage-I grantees shall be allocated Stage-II Connectivity to an alternate location.
- iii. For optimization of ROW, it is proposed that transmission towers of various dedicated lines, up to 2-3 km periphery from the entry of the pooling station may be of **Multi-circuit type**. The generation developers/applicants associated with the various pooling stations may coordinate amongst themselves for implementation of such span/stretch of the dedicated connectivity lines with M/C towers.
- iv. The grant of Stage-I / Stage-II Connectivity shall not entitle an applicant to interchange any power with the grid unless it obtains LTA/MTOA/STOA for power transfer requirements. As grant of LTA may require transmission system strengthening, the applicants are advised to apply for LTA immediately, to enable timely transfer of power to the beneficiaries. Also as per the prevailing Transmission Planning Criteria of CEA, "N-1" contingency criteria may not be applied to the immediate connectivity of wind/solar farms with the ISTS/Intra State grid.
- v. Stage-II Connectivity Grantee shall sign the Transmission Agreement for Connectivity and submit the Connectivity Bank Guarantee (**Conn-BG1 and Conn-BG2**) to CTU within 30 days of issue of intimation. No extension of time shall be granted and in case of failure to sign the Agreement and / or to furnish the requisite bank guarantee, Stage-II Connectivity shall be cancelled under intimation to the grantee without any prior notice.
- vi. Two or more Applicants may apply for Stage-II Connectivity at a common bay along with an agreement duly signed between such Applicants for sharing the Dedicated Transmission Line. The Stage-II Connectivity shall be granted to such Applicants subject to availability of capacity in the Dedicated Transmission Line. In such cases, **Conn-BG1 and Conn-BG2**, as applicable as per Clause 10.8 of the Revised RE Procedure, shall be submitted by each such Applicant.
- vii. The Stage-II Connectivity grantee shall furnish progress of the monitoring parameters on quarterly basis in the format given at **FORMAT-RCON-II-M** by the last day of each quarter. Failure to update progress of the monitoring parameters shall be considered as adverse progress and in such case CTU shall approach the Commission for appropriate directions. Further, the

Stage-II Connectivity grantees shall be required to complete the dedicated transmission line(s) and pooling sub-station(s) as defined under para 11.2(A) of the Revised Detailed Procedure for RE. If the grantee fails to complete the dedicated transmission line within the stipulated period, the Conn-BG1 & Conn-BG2 of the grantee shall be encashed and Stage-II connectivity shall be revoked.

- viii. Applicants after grant of Stage-II Connectivity to the grid shall have to furnish additional details to CTU for signing of “Connection Agreement” as per format given at **FORMAT-CON-4**. The finalized template of generation data for Solar and Wind based generation projects has been appended as additional sections at Para F (Details of Connection – Solar PV Station) and Para G (Details of Connection – Wind Generating Station) in the existing FORMAT-CON-4. The modified FORMAT CON-4 is available on our website (www.powergridindia.com >> CTU Open Access). The Applicants are advised to furnish such details as early as possible for enabling them have lead time for any type of access.
- ix. The CTU will process the above information and will intimate the Connection details as per format given at **FORMAT-CON-5**. Pursuant to such Connection details, the applicant shall have to sign “Connection Agreement” with CTU prior to the physical inter-connection as per format given at **FORMAT-CON-6**. In case the connectivity is granted to the ISTS of an inter-State transmission licensee other than the CTU, a tripartite agreement shall be signed between the applicant, the Central Transmission Utility and such inter-State transmission licensee, in line with the provisions of the Regulations.
- x. Applicants are required to submit the test reports supported vide undertaking as well as compliance certificate from manufacturer for all applicable provisions under the CEA (Technical Standards for Connectivity to the Grid) Regulations, 2007 (as amended) (including the provisions of LVRT/HVRT, active power injection control, dynamically varying reactive power support, limits for Harmonic & DC current injection, Flicker limits etc.) from labs accredited by Govt./NABL/other recognized agencies. In case any discrepancies / incompleteness are found in the documents / test reports submitted to CTU, the connection offer (CON-5) / connection agreement (CON-6) shall not be processed further.
- xi. CEA vide order dated 09.11.2020, has mandated all power generating stations of 0.5 MW or above capacity to register themselves on CEA e-portal and get a **Unique Registration Number (URN)**. The same is required as per Regulation 11 of Technical Standards for Connectivity with the Grid Regulations, 2007 prior to physical inter-connection of the Generating station with ISTS Grid.

For Application 1200003931 (300MW) at Fatehgarh-III PS

A. Transmission system for LTA (300 MW) at Fatehgarh-III PS

1. Augmentation of 1x500 MVA (2nd), 400/220kV ICT at Fatehgarh-3 pooling station (Section-II)
2. Augmentation of 2x1500 MVA (3rd and 4th), 765/400kV ICT at Fatehgarh-3 pooling station (Section-II)

B. Common Transmission system (Part of Transmission system associated with SEZ in Rajasthan under Phase-III (20 GW) scheme)

1. Establishment of 2x1500MVA 765/400kV Substation at suitable location near Beawar along with 2x330 MVA_r, 765kV Bus Reactor & 2x125 MVA_r, 420kV bus Reactor
2. Fatehgarh-3– Beawar 765 kV D/c (2nd) along with 330 MVA_r Switchable line reactor for each circuit at each end of Fatehgarh-3– Beawar 765 kV D/c line (2nd)
3. Fatehgarh 3- Bhadla-3 400kV D/c line(Quad) along with 50 MVA_r Switchable line reactor for each circuit at both ends of Fatehgarh 3- Bhadla-3 400kV D/c line
4. LILO of both circuit of Ajmer-Chittorgarh 765 kV D/c line at Beawar substation
5. LILO of 400kV Kota –Merta line at Beawar substation
6. Establishment of 2x1500 MVA 765/400kV substation at suitable location near Dausa along with 2x330 MVA_r, 765 kV Bus Reactor & 2x125 MVA_r, 420 kV bus Reactor
7. LILO of both circuits of Jaipur(Phagi)- Gwalior 765 kV 2xS/c at Dausa along with 240 MVA_r Switchable line reactor for each circuit at Dausa end of Dausa – Gwalior 765 kV D/c line
8. LILO of both circuits of Agra – Jaipur(south) 400kV D/c at Dausa along with 50 MVA_r Switchable line reactor for each circuit at Dausa end of Dausa – Agra 400kV D/c line
9. Beawar – Dausa 765 kV D/c line along with 240 MVA_r Switchable line reactor for each circuit at each end
10. STATCOM:
Fatehgarh – III S/s: STATCOM: \pm 2x300 MVA_r, 4x125 MVA_r MSC, 2x125 MVA_r MSR

Additional Scheme to relieve overloading of 400 kV Bhinmal-Zerda line (Twin Moose)

1. Bypassing of 400 kV Kankroli - Bhinmal-Zerda line at Bhinmal to form 400 kV Kankroli – Zerda (direct) line #
2. Reconductoring of 400 kV Jodhpur (Surpura)(RVPN) – Kankroli S/c (twin moose) line with twin HTLS conductor*-188 km

with necessary arrangement for bypassing Kankroli- Zerda line at Bhinmal with suitable switching equipment inside the Bhinmal substation.

* with minimum capacity of 1940 MVA/ckt at nominal voltage; Upgradation of existing 400kV bay equipments each at Jodhpur (Surpura)(RVPN) and Kankroli S/s(3150 A)

For Application 1200003933 (300MW) at Bikaner

1. Transmission system for LTA (300 MW) at Bikaner

1. Augmentation of 1x1500 MVA (3rd), 765/400kV ICT at Bikaner (PG)

B. Common Transmission system (Part of Transmission system associated with SEZ in Rajasthan under 8.1 GW Phase-II scheme)

1. Establishment of 400 kV Pooling Station at Bikaner –II PS with suitable bus sectionalisation at 400 kV along with 420kV (2x125 MVAR) bus reactor
2. Removal of LILO of one circuit of Bhadla-Bikaner (RVPN) 400kV D/c(Quad) line at Bikaner (PG). Extension of above LILO section from Bikaner (PG) upto Bikaner-II PS to form Bikaner-II PS – Bikaner (PG) 400kV D/c(Quad) line
3. Bikaner-II PS – Khetri 400 kV 2xD/c line (Twin HTLS* on M/c Tower)
4. 1x80MVA switchable Line reactor on each circuit at Khetri end of Bikaner-II – Khetri 400 kV 2xD/c Line
5. Khetri- Bhiwadi 400 kV D/c line (Twin HTLS)*
6. Establishment of 765/400 kV, 3X1500 MVA GIS substation at Narela with 765 kV (2x330 MVA) bus reactor and 400kV (1x125 MVAR) bus reactor.
7. Khetri – Narela 765 kV D/c line
8. LILO of 765 kV Meerut- Bhiwani S/c line at Narela
9. 1x330 MVA Switchable line reactor for each circuit at Narela end of Khetri – Narela 765kV D/c line
10. Removal of LILO of Bawana – Mandola 400kV D/c (Quad) line at Maharani Bagh /Gopalpur S/s. Extension of above LILO section from Maharani Bagh/ Gopalpur upto Narela S/s so as to form Maharani Bagh – Narela 400kV D/c(Quad) and Maharani Bagh-Gopalpur-Narela 400 kV D/c (Quad) lines.
11. 2 no of line bays at Narela each for Maharani Bagh – Narela 400 kV D/c (Quad) and Maharani Bagh –Gopalpur-Narela 400 kV D/c (Quad) lines formed after removal of LILO of Bawana – Mandola 400kV D/c(Quad) line at Maharani Bagh/Gopalpur S/s and Extension of above LILO section from Maharani Bagh/Gopalpur upto Narela S/s.
12. \pm 300 MVA, STATCOM along with 2x125 MVA MSC, 1x125 MVA MSR at Bikaner-II
13. Power reversal on \pm 500 KV, 2500 MW Balia- Bhiwadi HVDC line upto 2000 MW from Bhiwadi to Balia - Power reversal in Balia-Bhiwadi HVDC Line

*with minimum capacity of 2100 MVA on each circuit at nominal voltage

Additional Scheme to relieve overloading of 400 kV Bhinmal-Zerda line (Twin Moose)

1. Bypassing of 400 kV Kankroli - Bhinmal-Zerda line at Bhinmal to form 400 kV Kankroli – Zerda (direct) line #
2. Reconductoring of 400 kV Jodhpur (Surpura)(RVPN) – Kankroli S/c (twin moose) line with twin HTLS conductor*-188 km

with necessary arrangement for bypassing Kankroli- Zerda line at Bhinmal with suitable switching equipment inside the Bhinmal substation.

* with minimum capacity of 1940 MVA/ckt at nominal voltage; Upgradation of existing 400kV bay equipments each at Jodhpur (Surpura)(RVPN) and Kankroli S/s(3150 A)

For Application 1200003937 (1000MW)**A. Transmission system for present LTA at Bikaner -II S/s**

- 1) Establishment of 400 kV Pooling Station at Bikaner –II with suitable bus sectionalisation at 400 kV along with 420kV (2x125 MVAR) bus reactor
- 2) Removal of LILO of one circuit of Bhadla-Bikaner (RVPN) 400kV D/c(Quad) line at Bikaner (PG). Extension of above LILO section from Bikaner (PG) upto Bikaner-II PS to form Bikaner-II PS – Bikaner (PG) 400kV D/c(Quad) line

B. Common Transmission system (Part of Transmission system associated with SEZ in Rajasthan under 8.1 GW Phase-II scheme)

- 1) Bikaner-II PS – Khetri 400 kV 2xD/c line (Twin HTLS* on M/c Tower)
- 2) 1x80MVAR switchable Line reactor on each circuit at Khetri end of Bikaner-II – Khetri 400 kV 2xD/c Line
- 3) Khetri- Bhiwadi 400 kV D/c line (Twin HTLS)*
- 4) Augmentation of 1x1500 MVA (3rd), 765/400kV ICT at Bikaner (PG)
- 5) Establishment of 765/400 kV, 3X1500 MVA GIS substation at Narela with 765 kV (2x330 MVAR) bus reactor and 400kV (1x125 MVAR) bus reactor.
- 6) Khetri – Narela 765 kV D/c line
- 7) LILO of 765 kV Meerut- Bhiwani S/c line at Narela
- 8) 1x330 MVAR Switchable line reactor for each circuit at Narela end of Khetri – Narela 765kV D/c line
- 9) Removal of LILO of Bawana – Mandola 400kV D/c (Quad) line at Maharani Bagh /Gopalpur S/s. Extension of above LILO section from Maharani Bagh/ Gopalpur upto Narela S/s so as to form Maharani Bagh – Narela 400kV D/c(Quad) and Maharani Bagh-Gopalpur-Narela 400 kV D/c (Quad) lines.
- 10) 2 no of line bays at Narela each for Maharani Bagh – Narela 400 kV D/c (Quad) and Maharani Bagh –Gopalpur**-Narela 400 kV D/c (Quad) lines formed after removal of LILO of Bawana – Mandola 400kV D/c(Quad) line at Maharani Bagh/Gopalpur S/s and Extension of above LILO section from Maharani Bagh/Gopalpur upto Narela S/s.
- 11) \pm 300 MVAR, STATCOM along with 2x125 MVAR MSC, 1x125 MVAR MSR at Bikaner-II
- 12) Power reversal on \pm 500 KV, 2500 Balia- Bhiwadi HVDC line upto 2000 MW from Bhiwadi to Balia - Power reversal in Balia-Bhiwadi HVDC line
*with minimum capacity of 2100 MVA on each circuit at nominal voltage

**Gopalpur Substation is under implementation by DTL by LILO of Bawana – Maharani Bagh 400kV D/c(Quad) at Gopalpur substation.

Additional Scheme to relieve overloading of 400 kV Bhinmal-Zerda line (Twin Moose)

1. Bypassing of 400 kV Kankroli - Bhinmal-Zerda line at Bhinmal to form 400 kV Kankroli – Zerda (direct) line #
2. Reconductoring of 400 kV Jodhpur (Surpura)(RVPN) – Kankroli S/c (twin moose) line with twin HTLS conductor*-188 km

with necessary arrangement for bypassing Kankroli- Zerda line at Bhinmal with suitable switching equipment inside the Bhinmal substation.

* with minimum capacity of 1940 MVA/ckt at nominal voltage; Upgradation of existing 400kV bay equipments each at Jodhpur (Surpura)(RVPN) and Kankroli S/s(3150 A)

For Application 1200003935 (200MW)**A. Transmission system for present LTA at Bikaner -II S/s**

- 1) Establishment of 1x500MVA 400/220 kV Pooling Station at Bikaner –II with suitable bus sectionalisation at 400 kV along with 420kV (2x125 MVAR) bus reactor
- 2) Removal of LILO of one circuit of Bhadla-Bikaner (RVPN) 400kV D/c(Quad) line at Bikaner (PG). Extension of above LILO section from Bikaner (PG) upto Bikaner-II PS to form Bikaner-II PS – Bikaner (PG) 400kV D/c(Quad) line

B. Common Transmission system (Part of Transmission system associated with SEZ in Rajasthan under 8.1 GW Phase-II scheme)

- 1) Bikaner-II PS – Khetri 400 kV 2xD/c line (Twin HTLS* on M/c Tower)
- 2) 1x80MVA switchable Line reactor on each circuit at Khetri end of Bikaner-II – Khetri 400 kV 2xD/c Line
- 3) Khetri- Bhiwadi 400 kV D/c line (Twin HTLS)*
- 4) Augmentation of 1x1500 MVA (3rd), 765/400kV ICT at Bikaner (PG)
- 5) Establishment of 765/400 kV, 3X1500 MVA GIS substation at Narela with 765 kV (2x330 MVAR) bus reactor and 400kV (1x125 MVAR) bus reactor.
- 6) Khetri – Narela 765 kV D/c line
- 7) LILO of 765 kV Meerut- Bhiwani S/c line at Narela
- 8) 1x330 MVA Switchable line reactor for each circuit at Narela end of Khetri – Narela 765kV D/c line
- 9) Removal of LILO of Bawana – Mandola 400kV D/c (Quad) line at Maharani Bagh /Gopalpur S/s. Extension of above LILO section from Maharani Bagh/ Gopalpur upto Narela S/s so as to form Maharani Bagh – Narela 400kV D/c(Quad) and Maharani Bagh-Gopalpur-Narela 400 kV D/c (Quad) lines.
- 10) 2 no of line bays at Narela each for Maharani Bagh – Narela 400 kV D/c (Quad) and Maharani Bagh –Gopalpur**-Narela 400 kV D/c (Quad) lines formed after removal of LILO of Bawana – Mandola 400kV D/c(Quad) line at Maharani Bagh/Gopalpur S/s and Extension of above LILO section from Maharani Bagh/Gopalpur upto Narela S/s.
- 11) \pm 300 MVA, STATCOM along with 2x125 MVA MSC, 1x125 MVA MSR at Bikaner-II
- 12) Power reversal on \pm 500 KV, 2500 Balia- Bhiwadi HVDC line upto 2000 MW from Bhiwadi to Balia - Power reversal in Balia-Bhiwadi HVDC line

*with minimum capacity of 2100 MVA on each circuit at nominal voltage

**Gopalpur Substation is under implementation by DTL by LILO of Bawana – Maharani Bagh 400kV D/c(Quad) at Gopalpur substation.

Additional Scheme to relieve overloading of 400 kV Bhinmal-Zerda line (Twin Moose)

1. Bypassing of 400 kV Kankroli - Bhinmal-Zerda line at Bhinmal to form 400 kV Kankroli – Zerda (direct) line #
2. Reconductoring of 400 kV Jodhpur (Surpura)(RVPN) – Kankroli S/c (twin moose) line with twin HTLS conductor*-188 km

with necessary arrangement for bypassing Kankroli- Zerda line at Bhinmal with suitable switching equipment inside the Bhinmal substation.

* with minimum capacity of 1940 MVA/ckt at nominal voltage; Upgradation of existing 400kV bay equipments each at Jodhpur (Surpura)(RVPN) and Kankroli S/s(3150 A)

For Application 1200003947 (300MW)**A. Transmission system for LTA at Fatehgarh-II PS**

1. Augmentation of 2x500 MVA, 400/220kV ICT (9th & 10th) at Fatehgarh-II Pooling station

B. Common Transmission system (Part of Transmission system associated with SEZ in Rajasthan under 8.1 GW Phase-II)

1. Augmentation with 765/400kV, 2x1500MVA Transformer (5th & 6th) at Fatehgarh-II PS
2. Fatehgarh-II PS – Bhadla-II PS 765kV D/c line (2nd)
3. 1x240 MVar Switchable line reactor for each circuit at each end of Fatehgarh-II – Bhadla-II 765kV D/c line
4. Establishment of 765/400kV, 2x1500 MVA S/s at suitable location near Sikar (Sikar-II Substation) with 1x125 MVar at 400kV level & 2x330 MVar bus reactors at 765kV level at Sikar -II
5. Bhadla-II PS – Sikar-II 765kV D/c line(2nd)
6. Sikar-II – Neemrana 400kV D/c line (Twin HTLS)*
7. 1x330 MVar Switchable line reactor for each circuit at Sikar-II end of Bhadla-II –Sikar-II 765kV 2xD/c line
8. 1x240 MVar Switchable line reactor for each circuit at Bhadla-II end of Bhadla-II – Sikar-II 765kV 2xD/c line
9. Sikar-II – Aligarh 765kV D/c line
10. 1x330 MVar switchable line reactor for each circuit at each end of Sikar-II – Aligarh 765kV D/c line
11. Establishment of 765/400 kV, 3X1500 MVA GIS substation at Narela with 765 kV (2x330 MVar) bus reactor and 400kV (1x125 MVAR) bus reactor.
12. Khetri – Narela 765 kV D/c line
13. LILO of 765 kV Meerut- Bhiwani S/c line at Narela
14. 1x330 MVar Switchable line reactor for each circuit at Narela end of Khetri – Narela 765kV D/c line
15. Removal of LILO of Bawana – Mandola 400kV D/c (Quad) line at Maharani Bagh /Gopalpur S/s. Extension of above LILO section from MaharaniBagh/ Gopalpur up to Narela S/s so as to form Maharaniabagh – Narela 400kV D/c (Quad) and Maharaniabagh Gopalpur-Narela 400 kV D/c(Quad) lines.
16. 2 no of line bays at Narela each for Maharaniabagh – Narela 400 kV D/c (Quad) and Maharaniabagh –Gopalpur-Narela 400 kV D/c (Quad) lines formed after removal of LILO of Bawana – Mandola 400kV D/c(Quad) line at Maharani Bagh/Gopalpur S/s and Extension of above LILO section from Maharani Bagh/Gopalpur upto Narela S/s.

*with minimum capacity of 2100 MVA on each circuit at nominal voltage

**Gopalpur Substation is under implementation by DTL by LILO of Bawana – Maharaniabagh 400kV D/c(Quad) at Gopalpur substation.

List of Participants of 8th Consultation meeting for Evolving Transmission Schemes in NR held on 30.06.2022**CEA**

Smt. Manjari Chaturvedi	Director
Smt. Komal	Dy. Director

SECI

Shri R.K Agarwal	Consultant
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POSOCO

Shri Alok Kumar	Sr.GM
Shri Gaurav Malviya	Manager

CTU

Shri Kashish Bhambhani	GM (CTU)
Shri Sandeep Kumawat	Ch. Manager (CTU)
Smt. Ankita Singh	Ch. Manager (CTU)
Shri R Narendra Sathvik	Manager (CTU)
Shri Yatin Sharma	Dy. Manager (CTU)
Shri Roushan Kumar	Engineer (CTU)
Shri Madhusudan Meena	Engineer (CTU)

PSTCL

Shri Vivek Kumar Khanna	SE/Planning
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Shri Nitin Kumar Assistant Executive Engineer/Planning

HVPNL

Shri Rajesh Kumar Jangra XEN, System Study

DTL

Shri Loveleen Singh GM(T)

LTA/Connectivity Applicants

Shri A.K. Pathak	NHPC Limited
Shri Rajeev Thanvi	Solarcraft Power India 4 Pvt Ltd
Shri Ashish Agarwal	Solarcraft Power India 4 Pvt Ltd
Mr. Anwar Alam	Tidong Power Generation Pvt Limited
Shri Anurag Sharma	Tidong Power Generation Pvt Limited
Shri Himanshu Puri	Tidong Power Generation Pvt Limited
Shri Nawneet Kumar Chaudhary	Vector Green New Energies Private Limited
Shri Vishal	Vector Green New Energies Private Limited
Shri Ananth Raghavendra	Ayana Renewable Power Pvt Ltd
Shri Vivek Kodesia	Eden Renewables India
Shri Sudesh Pradhan	Juniper Green Stellar Private Limited
Shri Pratik Poddar	Juniper Green Stellar Private Limited
Shri Mohit Jain	ReNew Dinkar Urja Pvt Ltd./ IB Vogt Solar Seven Private Limited
Shri Aman Katoch	SJVN Limited
Shri Shivendera	SJVN Limited

As per the discussion held in 8th CMETS-NR meeting, CTU carried out P-V and Q-V of following 765kV lines (long and highly loaded) planned for renewables in Rajasthan

- 765kV Bhadla-3-Sikar-2 D/C (350km)
- 765kV Sikar-2-Aligarh D/c (275km)
- 765kV Bikaner-Khetri D/c (240km)
- 765kV Bikaner-Moga D/c (366km)
- 765kV Khetri-Jhatikara D/c (146km)
- 765kV Bhadla-2-Sikar-2 D/c (310km)

Details of analysis is as under

1. **P-V Analysis**

Study assumptions

- In study file, Interstate RE generation capacity of about 45 GW is considered in Rajasthan in 2025 time frame. The studies carried out in June Solar max scenario with 100% ISTS solar dispatches.
- For the purpose of PV analysis, **Rajasthan ISTS RE zone** (Bhadla/Fatehgarh/Bikaner complex) is considered as the source area and **Rest of NR region** is considered as sink area
- In PV analysis, the generation in source area is incrementally increased and to balance it in the sink area by backing down generation
- Solar generation in Rajasthan RE zone backdown to 60 % dispatch (about 27 GW from 45 GW). To balance the deficit of about 18 GW, all the generations in Rest of NR are scaled up uniformly for 18GW. This has formed a base case for further PV studies.

Study Methodology

- The generation in Source (Rajasthan RE Zone) is incremented in steps of 500 MW and the corresponding generation in Sink (Rest of NR Zone) is reduced in steps of 500 MW, till the non-convergence of study file
- In the above process, the voltages at important buses are monitored to check for any voltage collapse which may occur with incremental power flow beyond a certain quantum. The maximum incremental power which can be transferred between source and sink beyond which the system may become unstable is determined by this method.

Study Result

From the analysis, it emerged that with incremental generation of 18 GW Source (18+27 GW=45 GW), the total generation in source touches 100% of installed capacity (45GW), the system is stable and doesn't experience any kind of voltage collapse in base case as well as contingency scenarios.

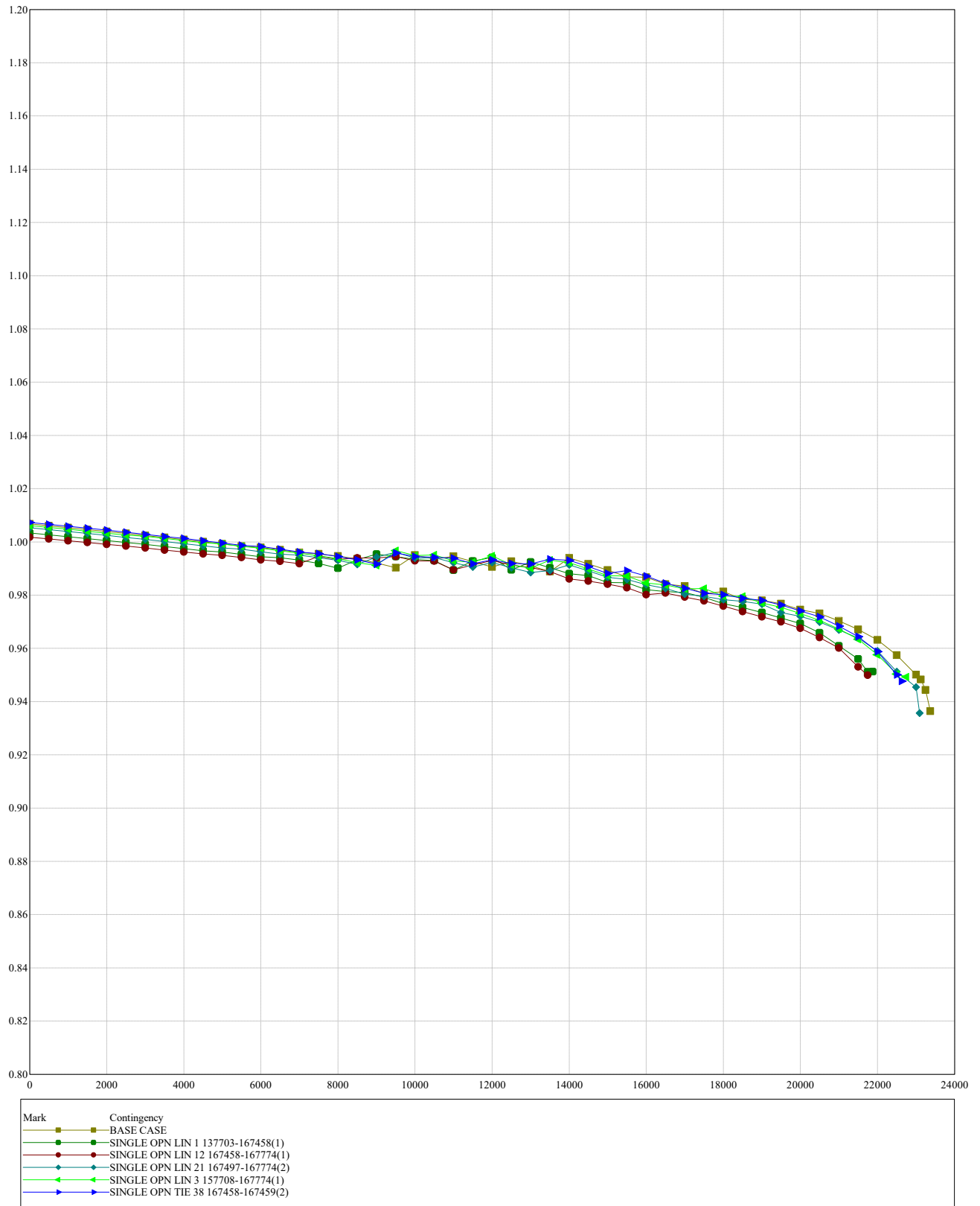
Further, PV analysis is continued beyond 18 GW incremental generation (beyond 45GW) to assess the stability margin. It is observed that the system is stable till the incremental flow of 21-22 GW in base case as well as all critical contingencies. Therefore, the voltage at major important buses remains stable till the total power transfer of 48 -49 GW from **Rajasthan ISTS RE zone** (Source) to **Rest of NR region** (Sink). Considering the actual RE generation of 45 GW, there is sufficient margin available in the system for voltage stability. Voltage at all the important buses are within limits of (0.95-1.05 pu) upto the incremental generation of 18 GW

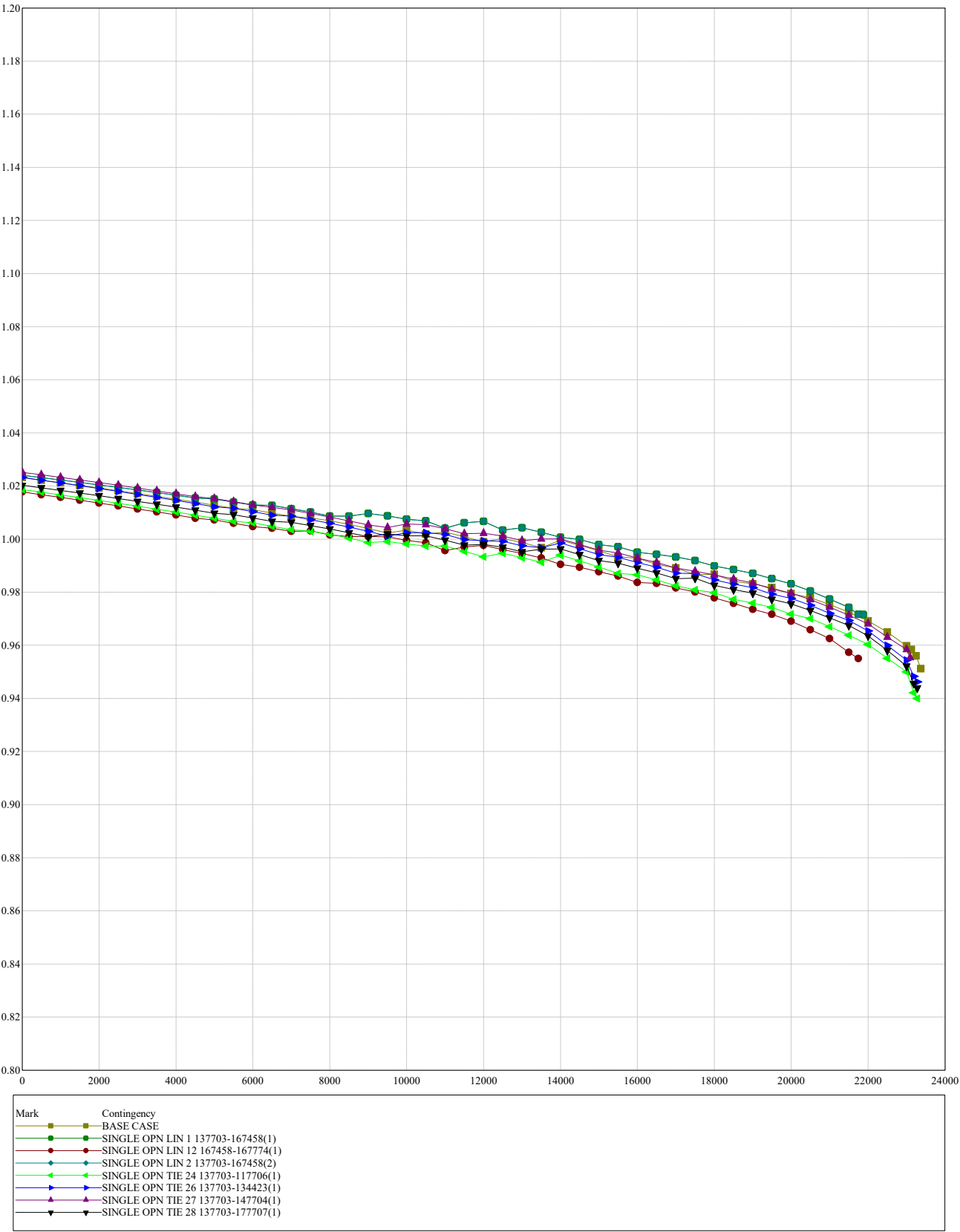
The results of PV analysis in base case as well as various contingency scenario is attached in **Exhibit-A1**.

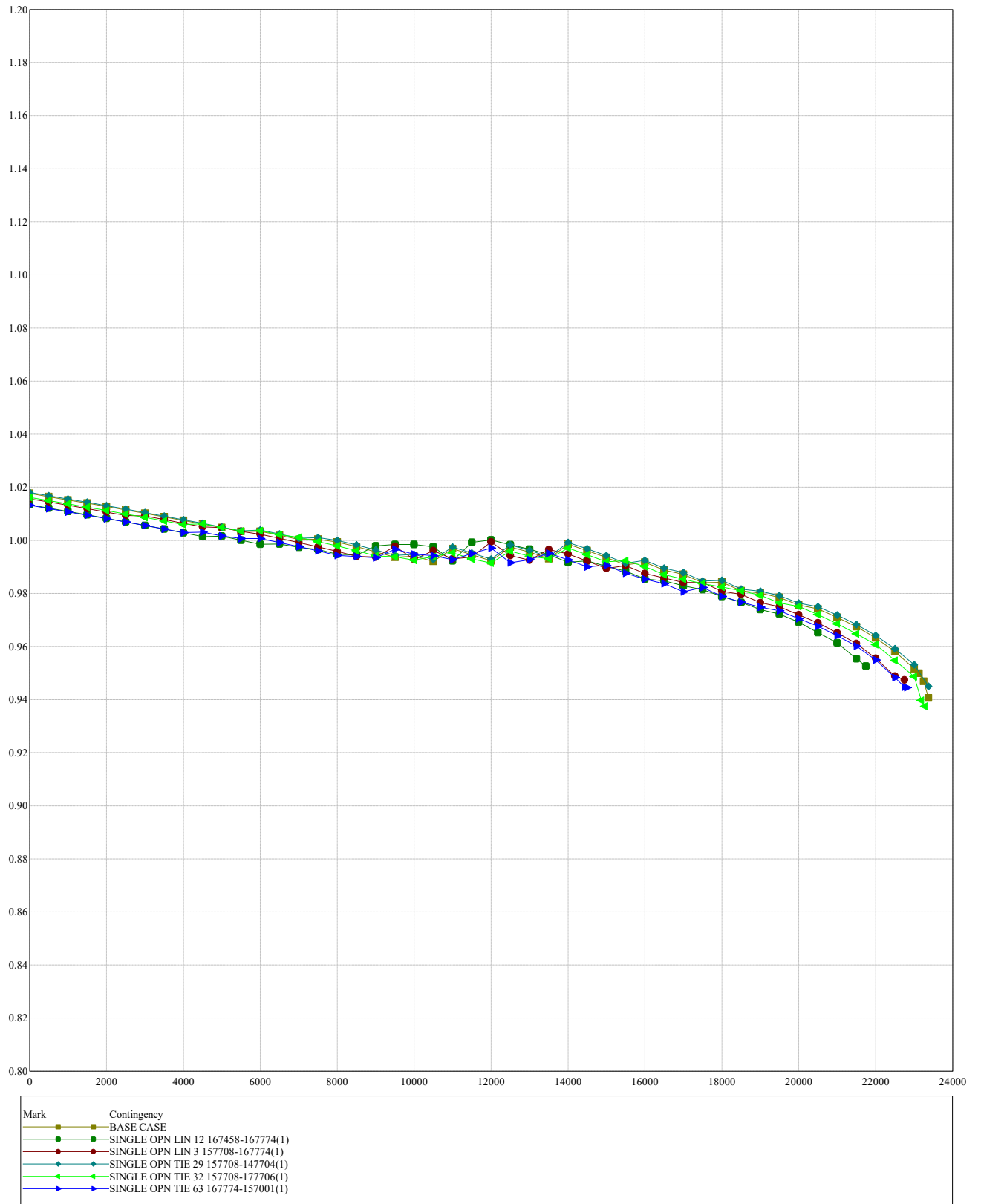
2. QV analysis:

QV analysis is carried out for various ISTS RE pooling stations with similar study assumptions considered in PV analysis. For Q-V analysis, a hypothetical synchronous condenser is considered at the study bus with initial scheduled voltage (Vsch) set at 1.1pu. The amount of reactive power (MVar) supplied/absorbed by Sync. Condenser is monitored. The Vsch is reduced in steps of 0.01 pu and the corresponding MVar supplied/absorbed is noted. This process is continued till voltage stability limit/non convergence is reached. From the results, it emerged that system remains stable for >0.85 pu voltage in base case as well as under various contingencies. The results of Q-V analysis shown in **Exhibit-A2**.

Bikaner PS PV Curve

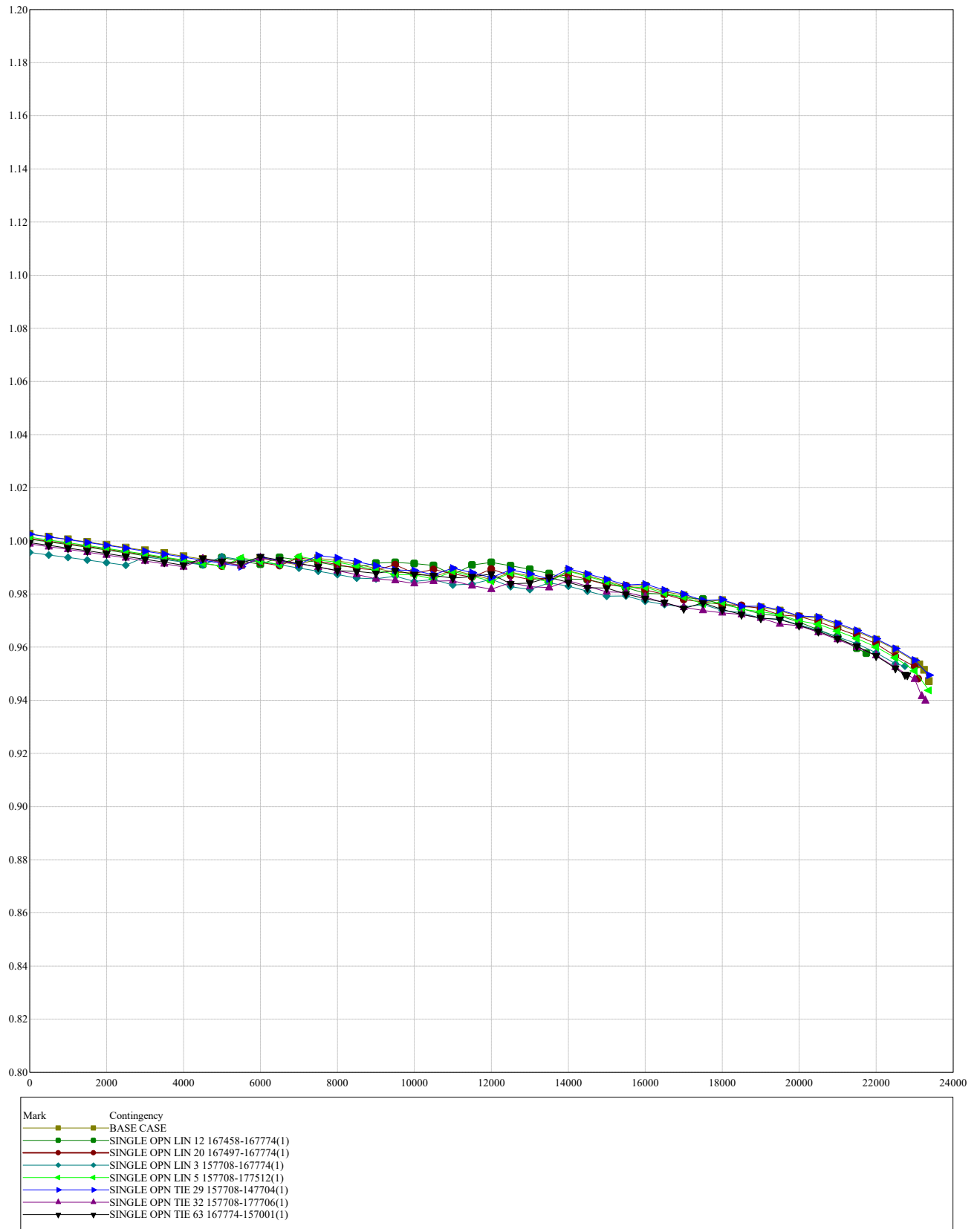






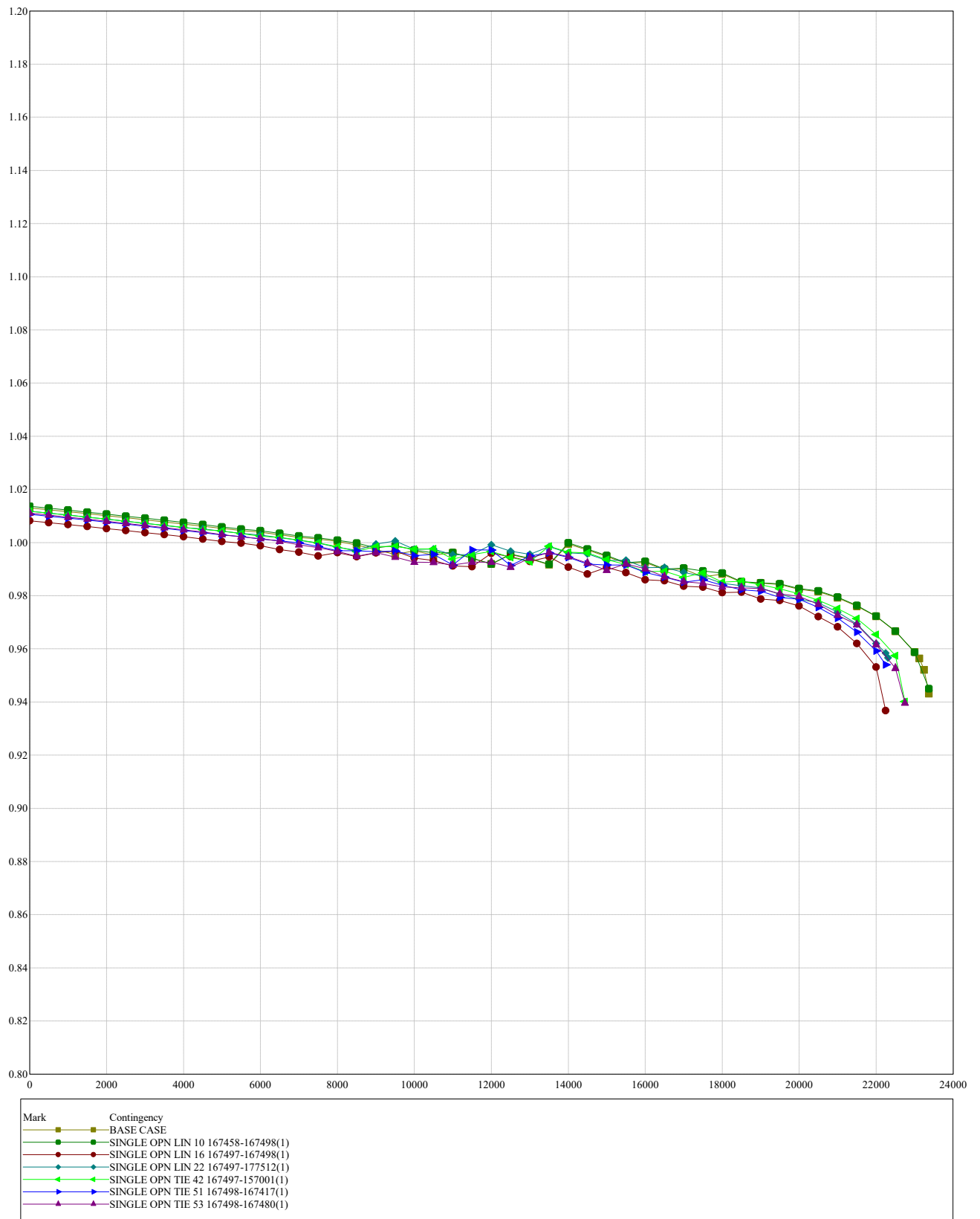
Jhatikara PV Curve

75



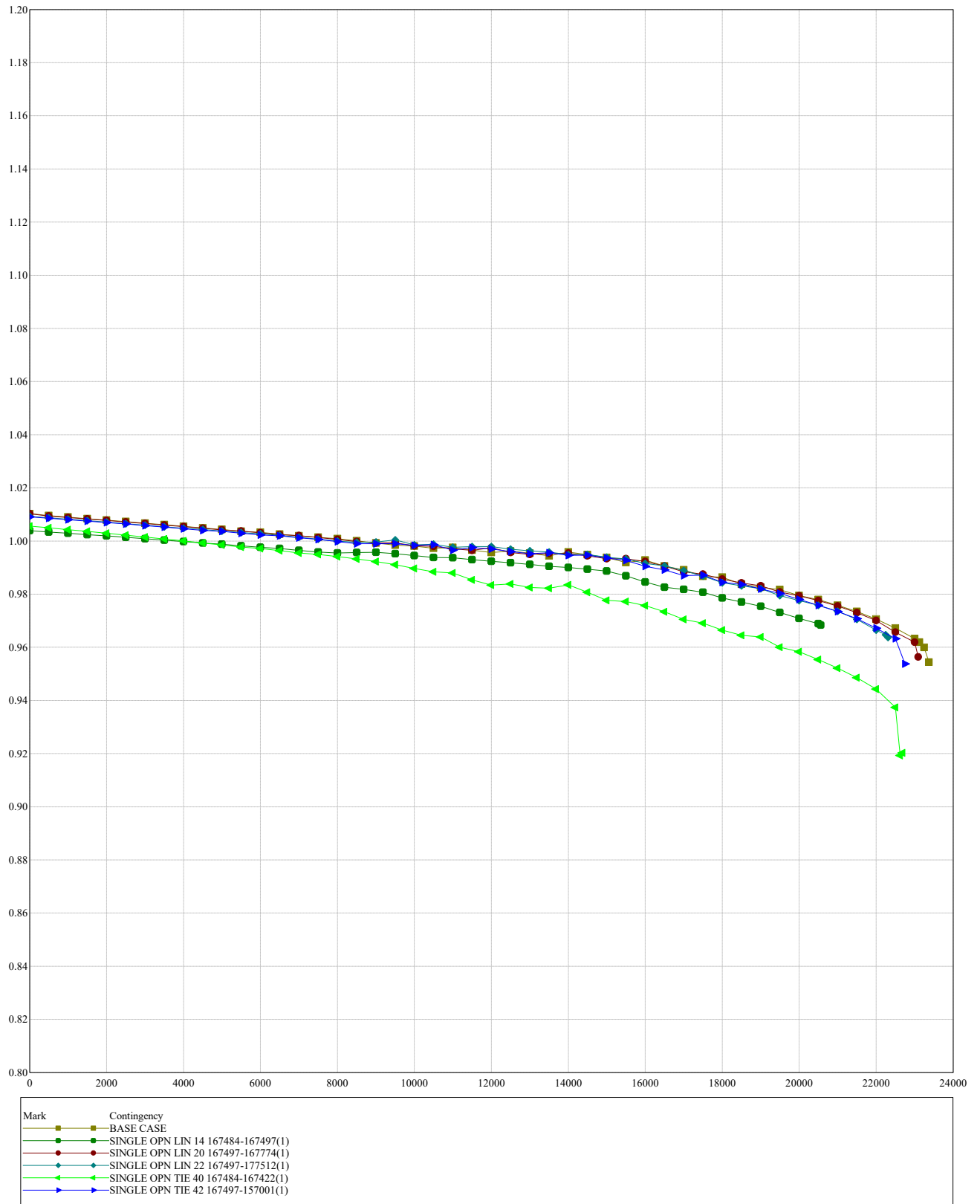
Bhadla-2 PV Curve

76



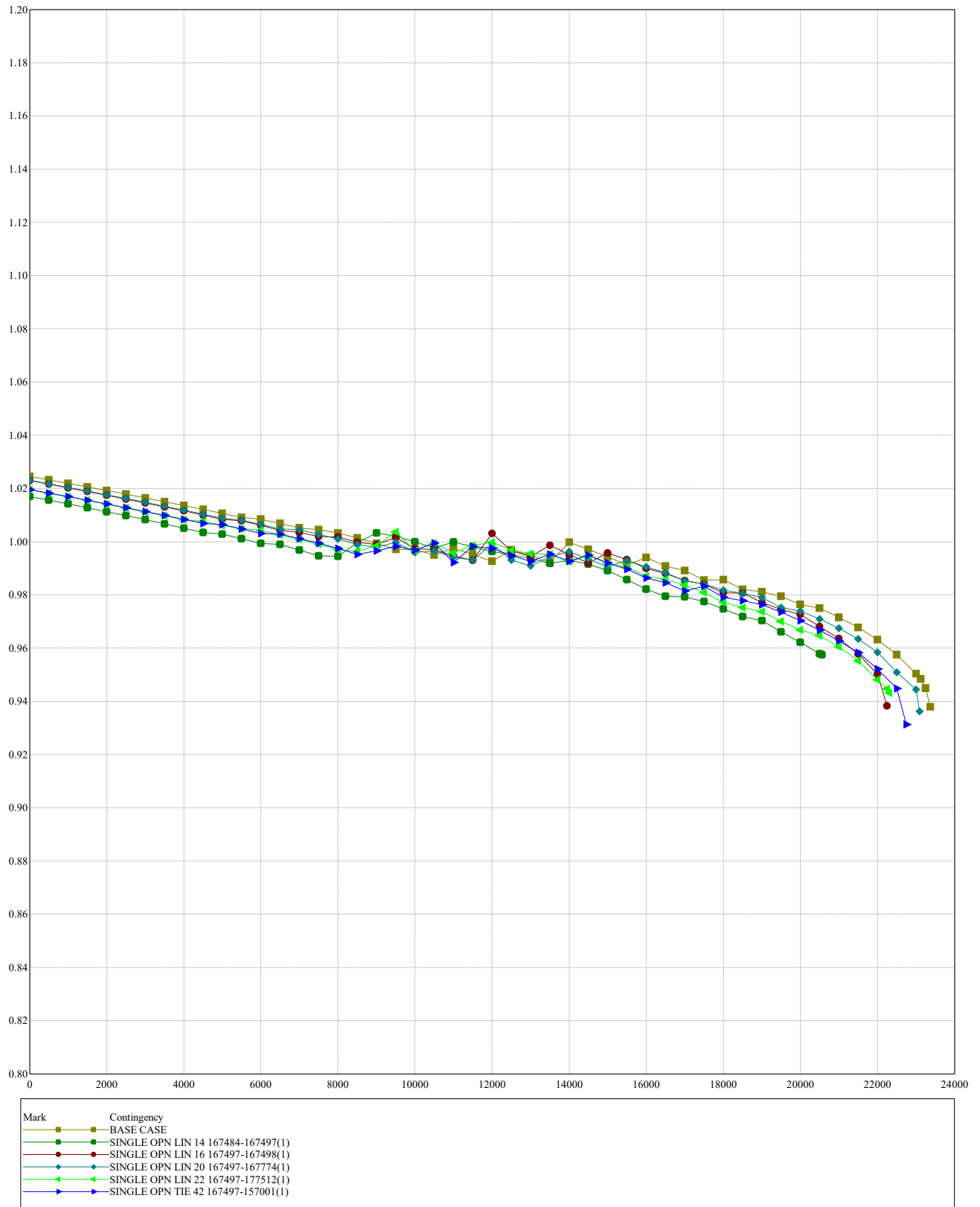
Bhadla-3 PV Curve

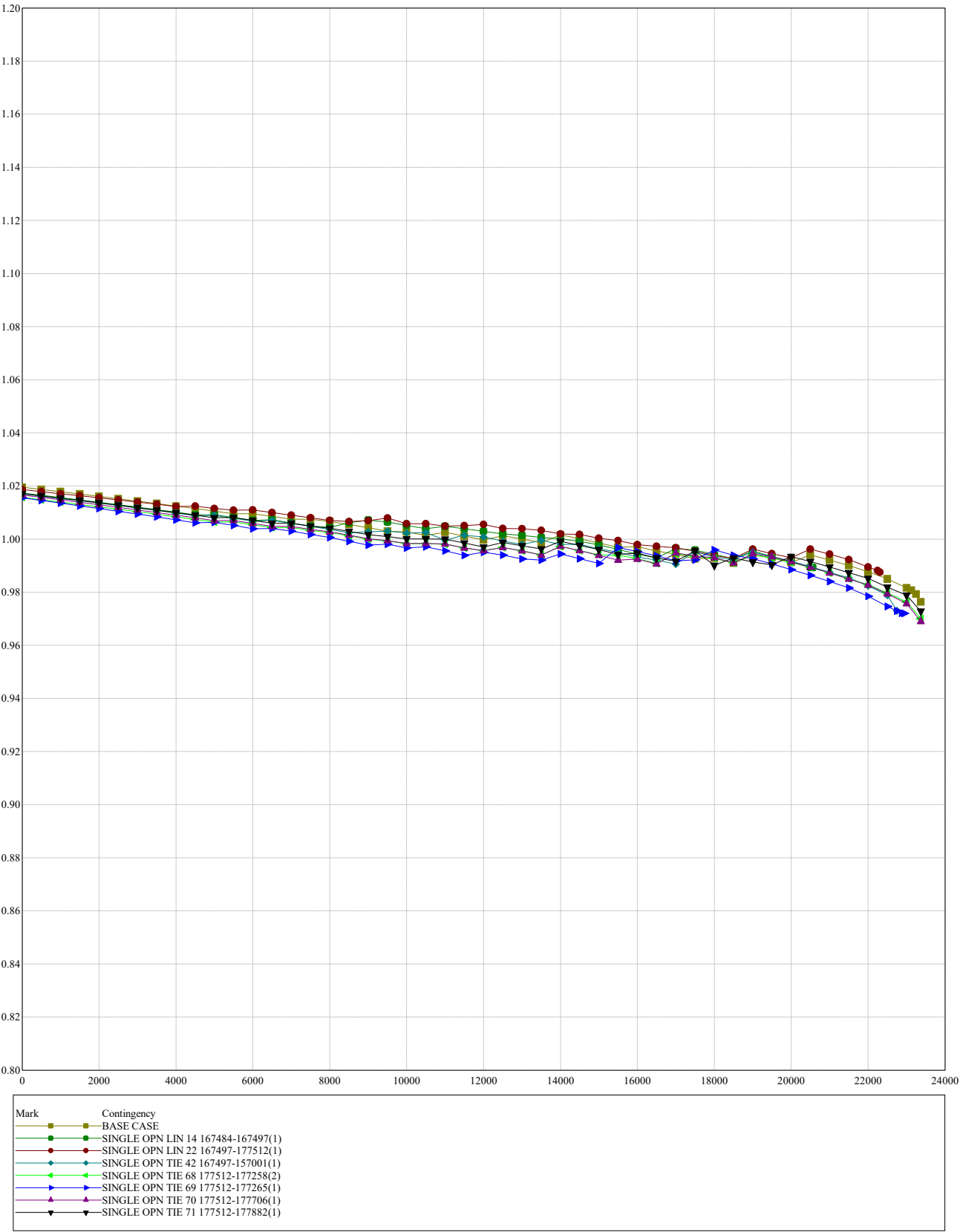
77



Sikar-2 PV Curve

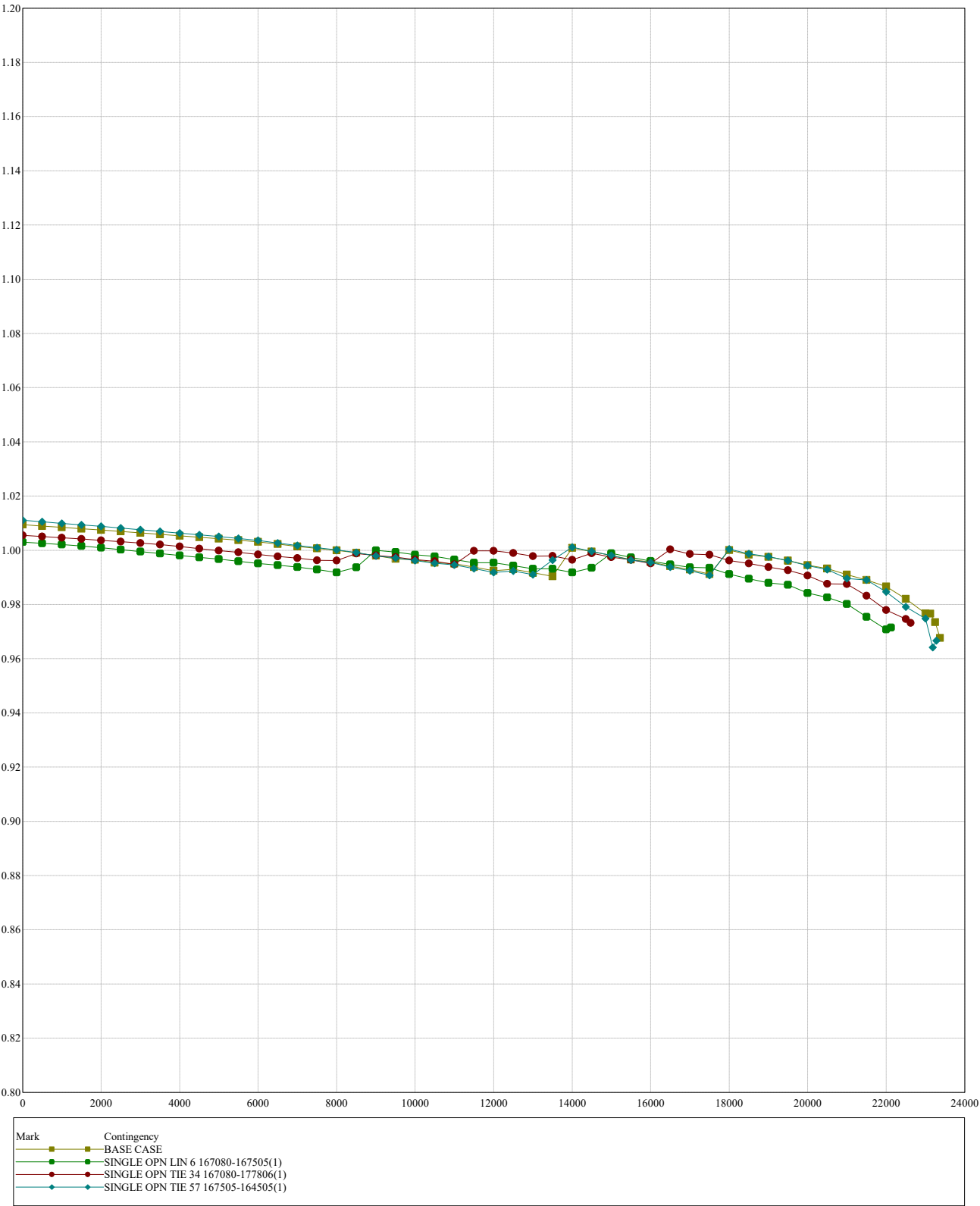
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Bikaner-3 PV Curve

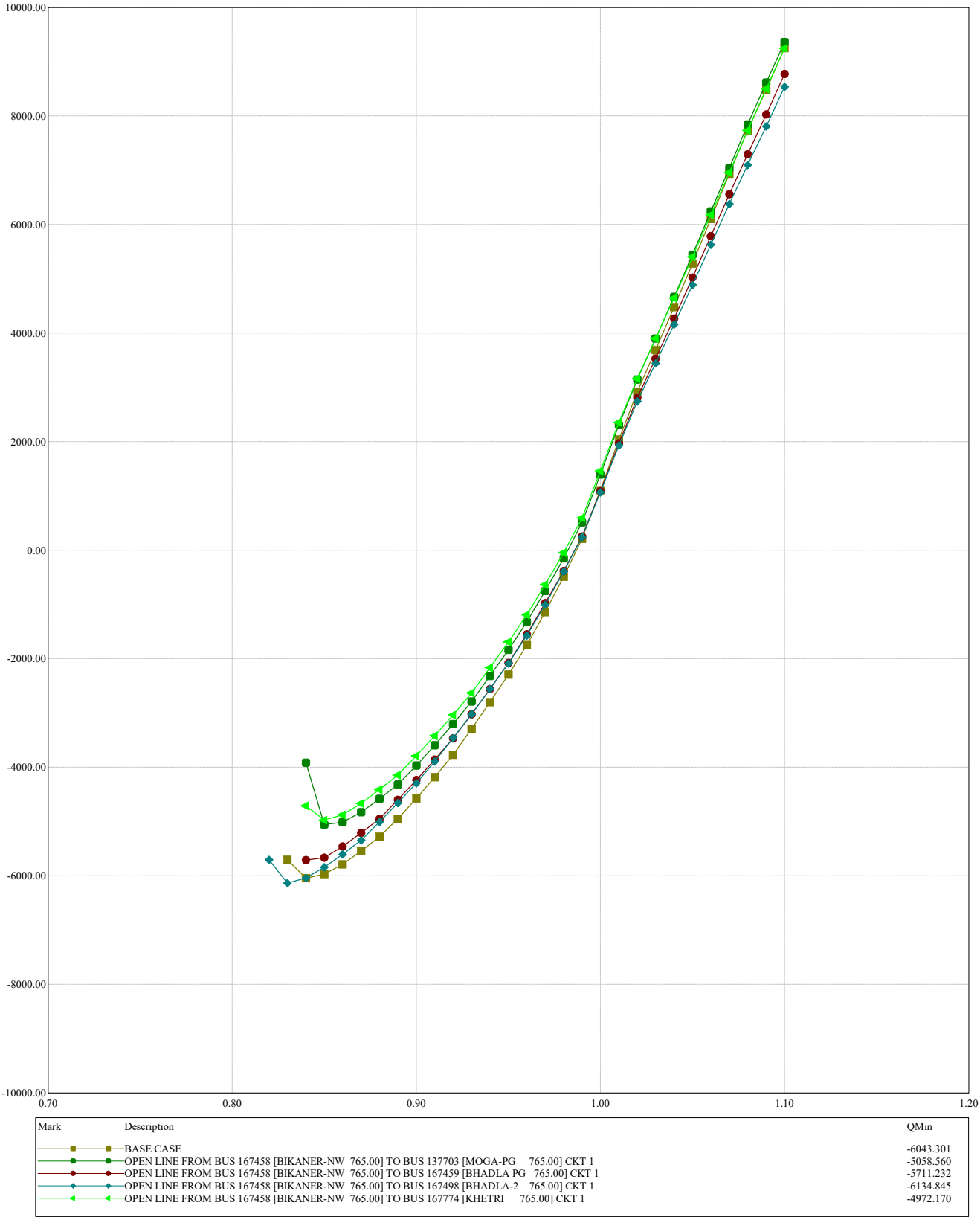
80



Bikaner PS QV Curve

Exhibit- 1B
81

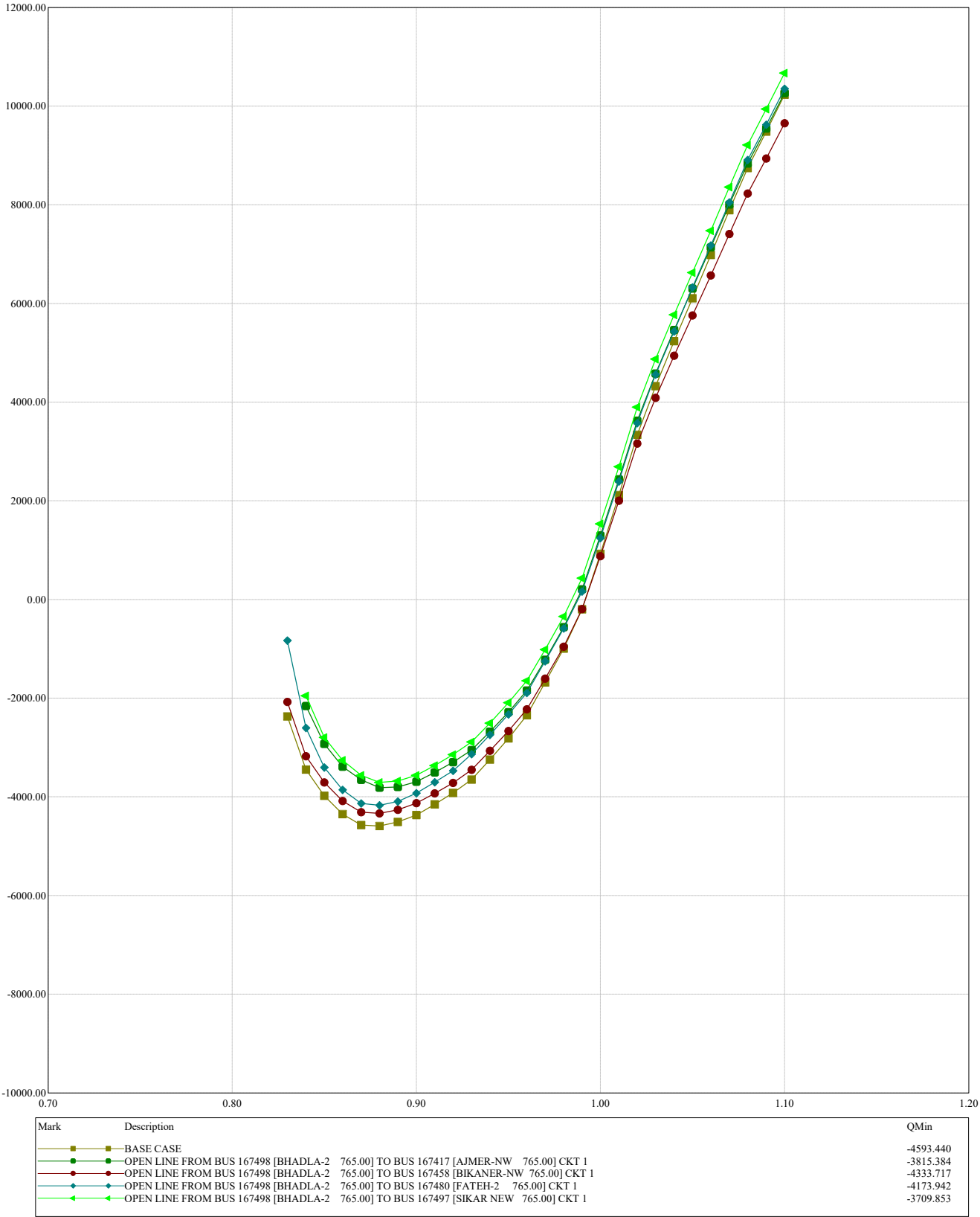
Study bus: 167458

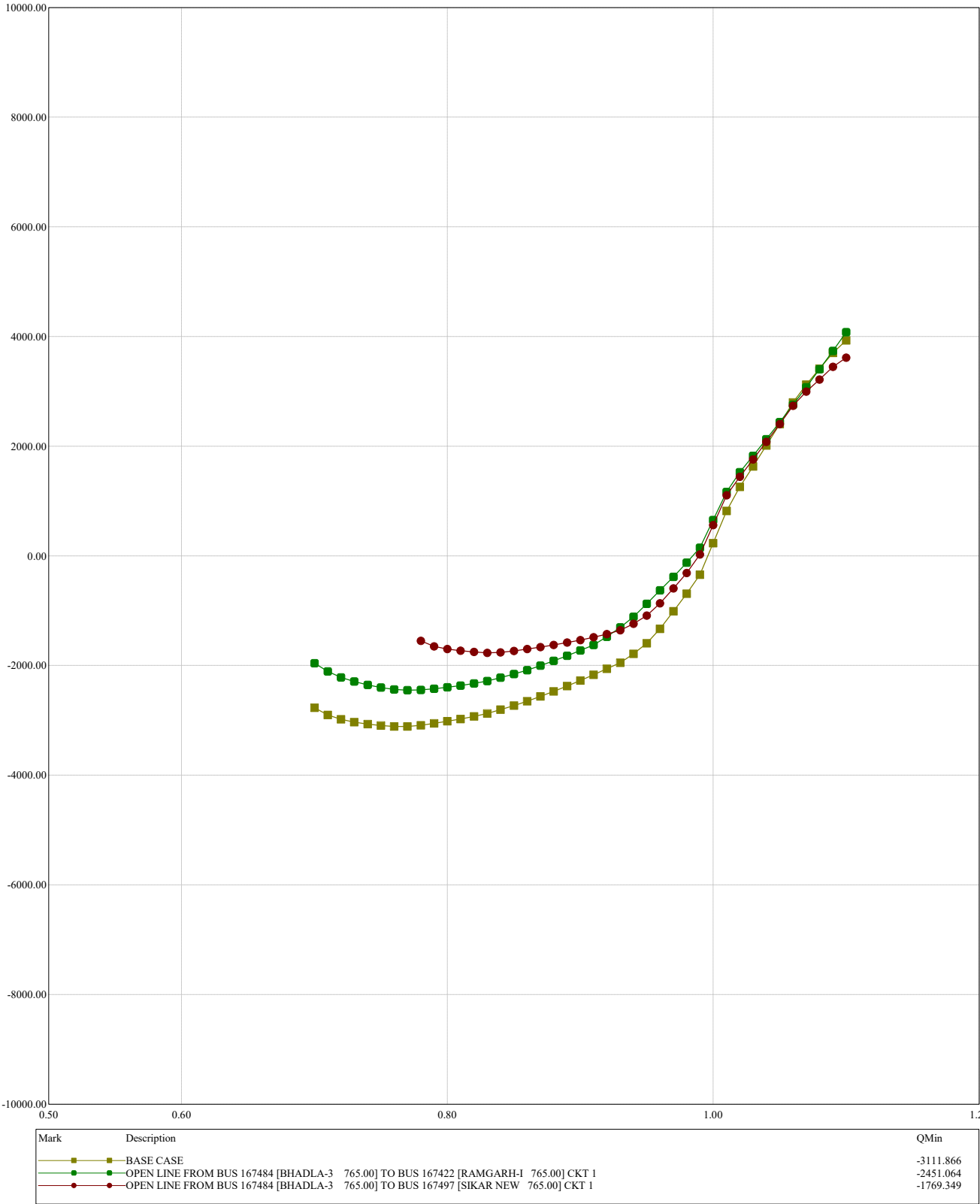


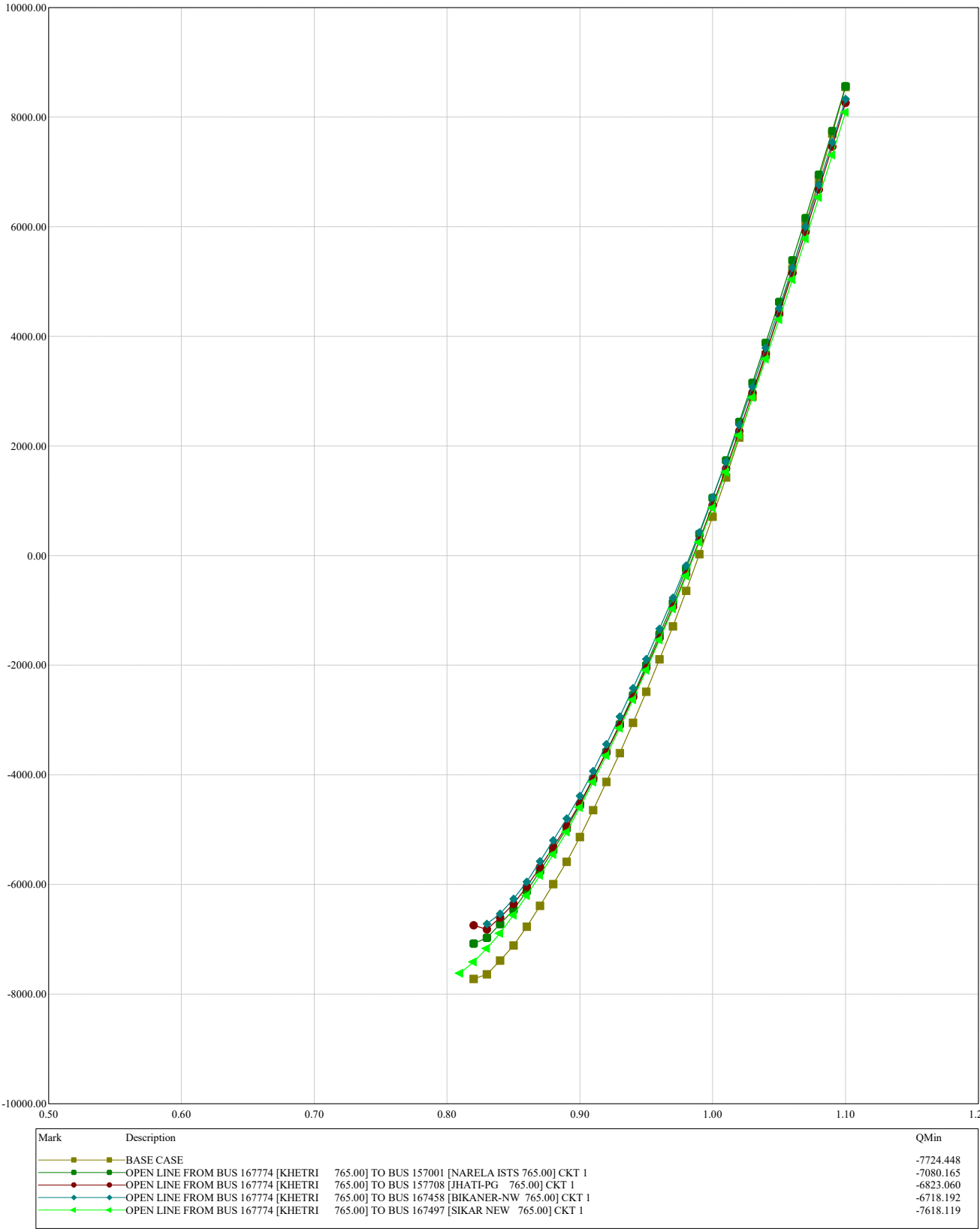
Bhadla-2 QV Curve

Study bus: 167498

82



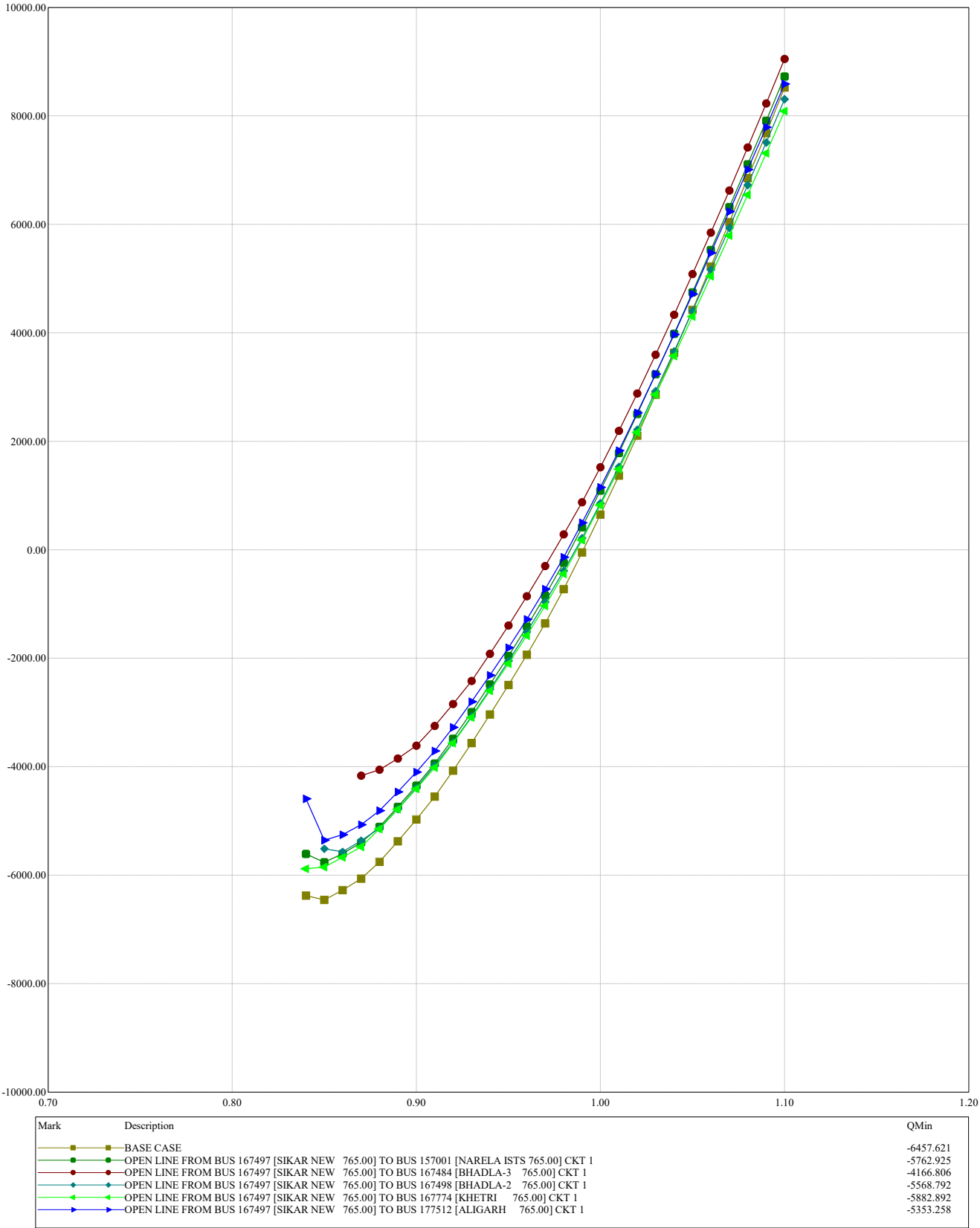




Sikar-2 QV Curve

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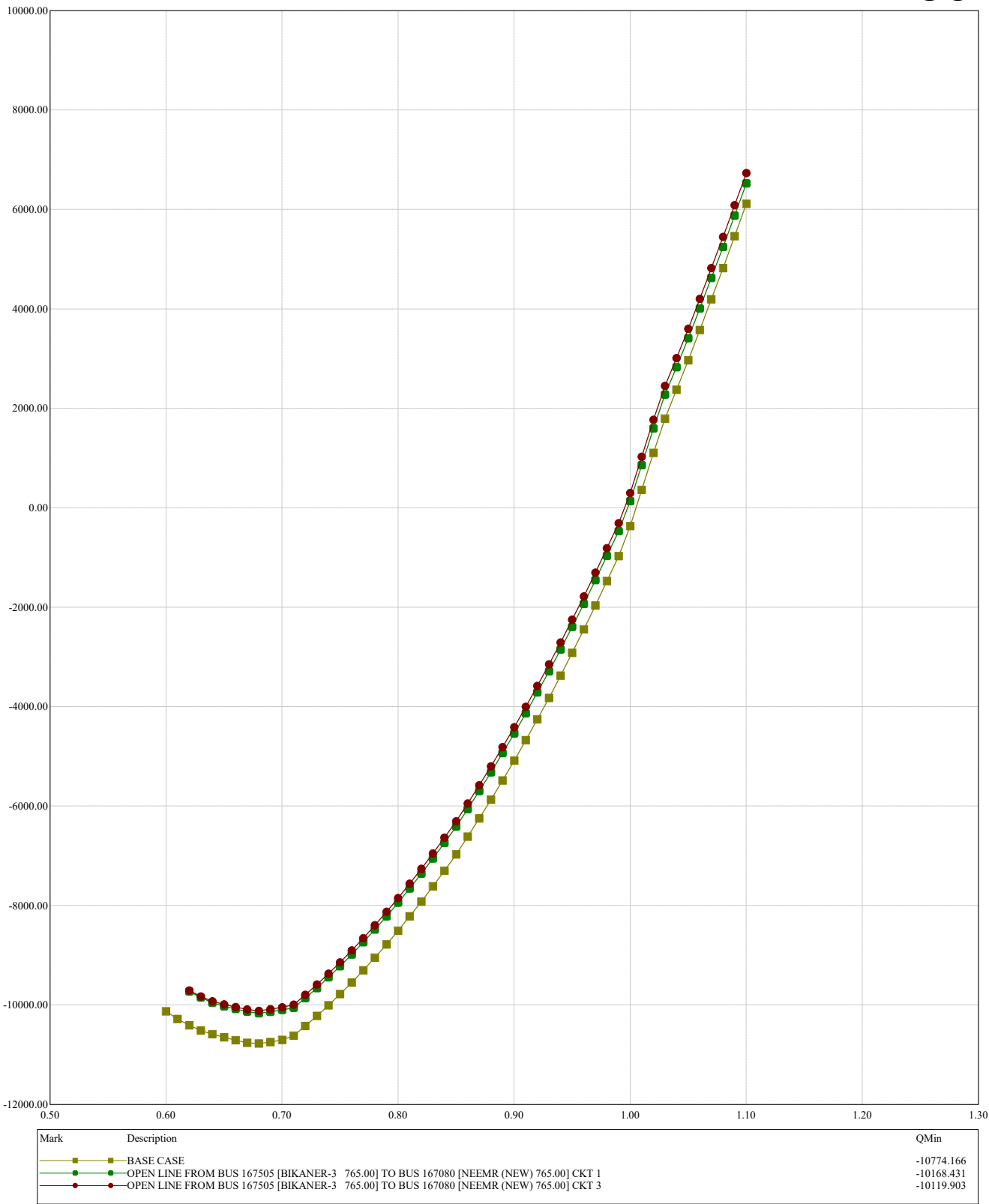
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Bikaner-3 QV Curve

Study bus: 167505

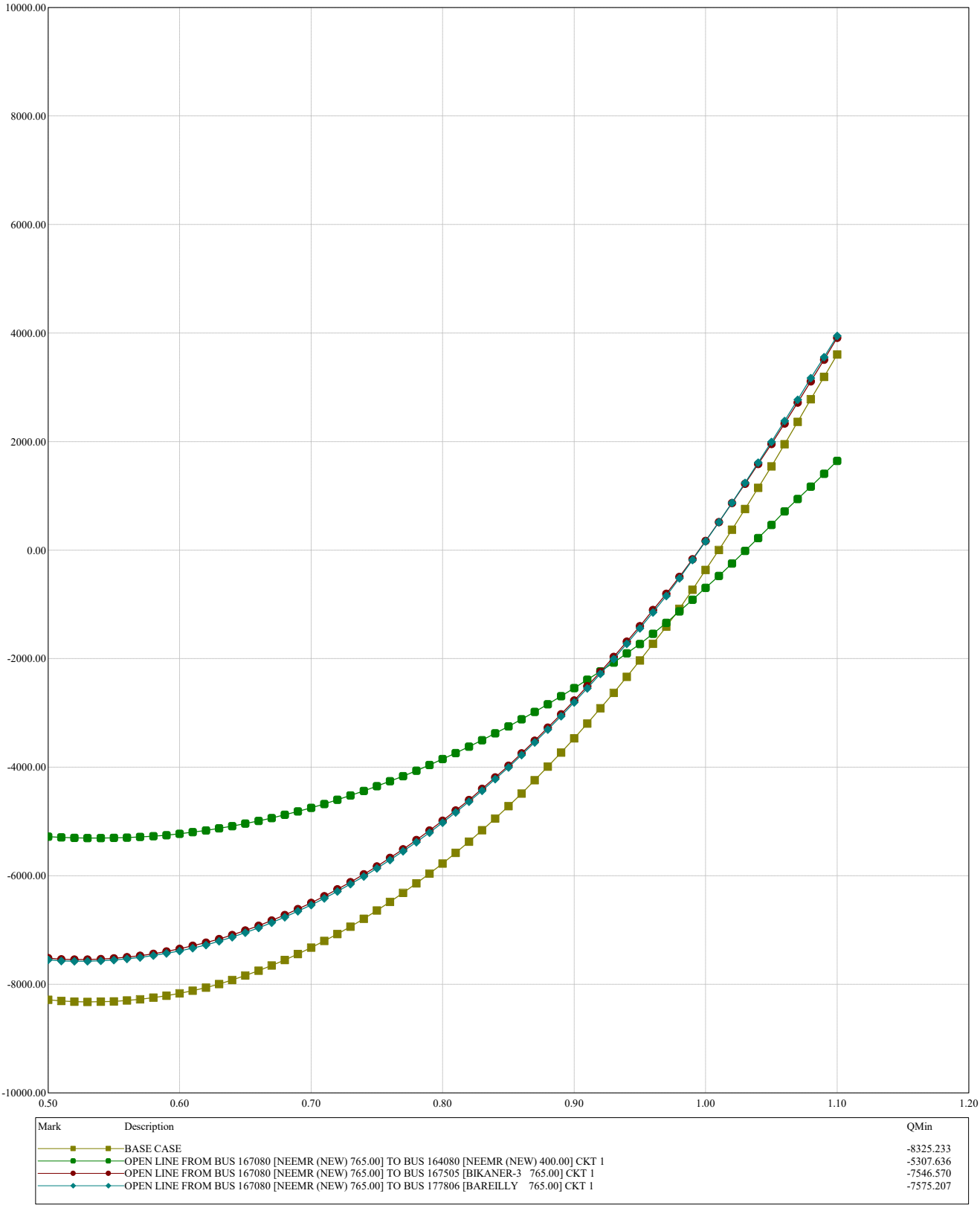
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Neemrana-2 QV Curve

Study bus: 167080

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भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
उत्तर क्षेत्रीय विद्युत समिति
Northern Regional Power Committee

सं. उ.क्षे.वि.स./ वाणिज्यिक/ 209/ आर पी सी (56^{वीं})/2022/ 7443-7490 दिनांक: 18 अगस्त, 2022

सेवा में / To,

उ.क्षे.वि.स. के सभी सदस्य (संलग्न सूचीनुसार)
Members of NRPC (As per List)

विषय: उत्तर क्षेत्रीय विद्युत समिति की 56^{वीं} बैठक का कार्यवृत्त ।

Subject: 56th meeting of Northern Regional Power Committee – MoM

महोदय / Sir,

उत्तर क्षेत्रीय विद्युत समिति की 56^{वीं} बैठक दिनांक 29^{वां} जुलाई, 2022 को 1100 बजे विडियो कॉन्फ्रेंसिंग के माध्यम से आयोजित की गयी थी। बैठक का कार्यवृत्त संलग्न है। यह उ.क्षे.वि.स. की वेबसाइट (<http://164.100.60.165/>) पर भी उपलब्ध है।

The 56th meeting of Northern Regional Power Committee (NRPC) was held at 1100 Hrs on 29th July, 2022 via video conferencing. MoM of the same is attached herewith. The same is also available on NRPC Sectt. website (<http://164.100.60.165/>).

भवदीय
Yours faithfully,

Naresh
(नरेश भंडारी) 18/8/22
(Naresh Bhandari)
सदस्य सचिव
Member Secretary

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उत्तरी क्षेत्रीय विद्युत समिति की 56^{वीं} बैठक
56th MEETING OF NORTHERN REGIONAL POWER COMMITTEE

Time & Date of NRPC meeting: 11:00 HRS; 29th July, 2022

Venue: Video Conferencing

Minutes of Meeting

MS, NRPC welcomed all the participants. Director (Operation), DTL informed that Sh. Satya Gopal, CMD DTL and Chairperson, NRPC has retirement in July'2022 and he is not able to attend the meeting. MS, NRPC sensitized the forum regarding coal blending rule, CERC GNA regulation, and draft IEGC.

A.1 Approval of MoM of 55th NRPC meeting

A.1.1 Forum was apprised that minutes of 55th NRPC meeting has been issued on 25.07.2022. No comment has been received till the date.

A.1.2 Forum approved the minutes.

A.2 Adequacy of Transmission Lines emanating from Bhakra Power House Complex post uprating of Bhakra Left Bank Power House - approval for replacement of ACSR conductor of five no. Bhakra-Ganguwal circuits with HTLS conductor (agenda by BBMB)

A.2.1 Forum was apprised that BBMB has proposed to replace the existing ACSR conductors with relevant HTLS conductors at all the five circuits emanating from Bhakra Complex to Ganguwal i.e., Bhakra-Ganguwal circuit No. 1 to 5, so as to get the constraints removed along with making it N-1 complaint.

A.2.2 The agenda was deliberated in 194th OCC meeting wherein forum desired that BBMB shall share with NRLDC the results of study they have got conducted from Himachal Pradesh for further examination.

A.2.3 BBMB vide letter dated 11.07.2022 has communicated that the requisite data was submitted to NRLDC and NRLDC validated the load flow studies as carried out by HPPTCL.

A.2.4 The agenda was again discussed in 197th OCC held on 22.07.2022 and forum recommended the proposal for putting up before NRPC forum.

A.2.5 In the meeting, BBMB informed that technical approval of NRPC is required for putting this as agenda in their power sub-committee meeting.

A.2.6 After deliberation, forum approved the above proposal of BBMB.

A.3 Revised islanding schemes for RAPS A & B (agenda by RVPN)

A.3.1 Forum was apprised that RVPN vide letter dtd. 19.07.2022 has proposed that the existing islanding scheme for RAPS A & B was planned in 2013 and due to change in configuration of transmission lines and loads of the GSS, there is need to review and revise the islanding schemes at RAPS A & B.

A.3.2 The scheme has been discussed in 197th OCC held on 22.07.2022 and forum recommended the proposal for putting up before NRPC forum.

A.3.3 After deliberation, forum approved the revised islanding scheme of RAPS A&B as proposed by RVPN.

A.4 New islanding schemes in Rajasthan (agenda by RVPN)

- A.4.1 Forum was apprised that RVPN vide letter dtd. 22.10.2021 & 11.05.2022 has submitted proposal for islanding scheme as below:
- Suratgarh STPS Islanding Scheme
 - Jodhpur-Barmer-Rajwest LTPS Islanding Scheme
- A.4.2 The scheme has been discussed and approved in 195th OCC meeting held on 24.05.2022.
- A.4.3 After deliberation, following was decided:
- Load in Suratgarh island may be reduced to around 560 MW so that there may be some gap in load-generation in island.
 - Delay of 100 msec at 48.0 Hz for Suratgarh island creation may be reviewed.
 - Load of Rajwest island may also be reduced to have appropriate gap in load generation.
 - Sequence of load and generator tripping may be reviewed for Rajwest island.
- A.4.4 Forum decided that RVPN may revise the scheme and the same may be put up in upcoming OCC meeting.

A.5 Default in release of outstanding dues by THDCIL's Beneficiary (agenda by THDCIL)

- A.5.1 Forum was apprised that as on 19.07.2022, an overdue amount including LPS of approx. Rs.364.58 Cr. is due for payment. THDC India Ltd has been vigorously pursuing with JKPCIL (J&K DISCOM) for expeditious payment. Despite vigorous follow up, JKPCIL (J&K DISCOM) has still to liquidate its old outstanding due. The details of the overdue amount on JKPCIL (J&K DISCOM), as on 19.07.2022, is as under:

DISCOMs	Principal Outstanding (Rs. in Cr.)	Late Payment Surcharge (Rs. in Cr.)	Overdue amount including LPS (Rs. in Cr.)
1	2	3	4=2+3
PDD & JKPCIL, J&K	353.94	10.64	364.58

- A.5.2 Long pending dues are to be liquidated by the JKPCIL (J&K DISCOM). The amount is quite substantial and crucial. Due to scarce availability of funds with us, we are compelled to avail borrowings to meet our day-to-day requirements. Thus, immediate payment is very much crucial for sustenance of THDCIL.
- A.5.3 JKPCIL (J&K DISCOM) is requested to liquidate its above overdue amount immediately.
- A.5.4 THDC representative informed the forum that JKPCIL had requested for loan from REC and has confirmed to pay back the dues to THDC in twelve instalments. He requested for immediate payment of their dues.
- A.5.5 MS, NRPC asked JKPCIL to liquidate the amount.

A.6 Request for opening of Letter of Credit (agenda by THDCIL)

- A.6.1 Forum was apprised that despite repeated request and reminders, J&K has not opened the Letter of Credit (LC) amounting to Rs. 14.45 Cr for Financial Year 2022-23 till date.
- A.6.2 As per recently issued MoP, Govt. of India Electricity (Late payment surcharge) rules, 2022 on 3rd Jun'22, as per said regulation distribution licensee (DISCOMs) shall maintain unconditional, irrevocable and adequate payment security mechanism. Therefore, it is requested to J&K for year 2022-23 to open the LC of

requisite amount or adequate advance payment is to be made available immediately.

A.6.3 MS, NRPC asked J&K to open the LC of requisite amount at the earliest.

A.7 Requesting generating companies to furnish Daily/Monthly Generation and Outages Data online at National Power Portal (agenda by OPM Division, CEA)

A.7.1 Forum was apprised that OPM Division vide letter dtd. 06.07.2022 has intimated that many generators have not switched over to online mode of submission of generation data leading to delay in preparation/issuance of related reports.

A.7.2 MS, NRPC asked the utilities to fill up the data on timely basis. It was emphasized that even if generation is zero, the same may be seeded online also.

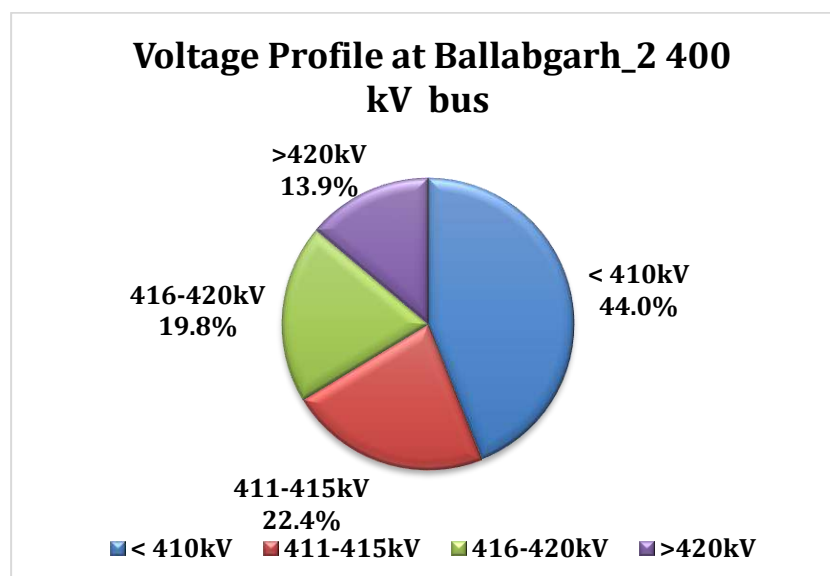
A.8 Replacement of 420kV 80 MVAR 3-Ph Bus Reactor at Ballabgarh (agenda by CTU)

A.8.1 Forum was apprised that the issue was deliberated in the 53rd NRPC meeting held on 29.04.2022, as POWERGRID agenda.

A.8.2 POWERGRID had approached CPRI to carry out Residual Life Assessment Studies for the 80 MVAR bus reactor at 400 kV Ballabgarh S/s. The bus reactor has completed 32 years of service and thus crossed its useful life of 25 years from commissioning. CPRI has recommended a replacement for the same.

A.8.3 NRPC decided that the matter may first be discussed in the Consultative Meeting of NR.

A.8.4 The matter has been discussed in 8th CMETS-NR held on 30.06.2022. It was deliberated that from study results it is observed that taking the 80 MVAR bus reactor into service results in a voltage drop of around 1 kV at Ballabgarh Bus. If the 80 MVAR bus reactor is replaced with 125 MVAR the resultant voltage drop is around 2 kV. Voltage profile of 400 kV Ballabgarh S/s for the last one year (June'21-June'22) is as under:



A.8.5 From above, it may be seen that 400kV Ballabgarh S/s voltage remained >415 kV for about 34% time. Considering above and the high voltage prevailing in NR grid, it is recommended to replace 420 kV 80MVAR bus reactor at Ballabgarh with 420 kV 125 MVAR bus reactor.

A.8.6 CEA and POSOCO also recommended for replacement of 80MVAR (420kV) Bus Reactor at Ballabgarh S/s with 125 MVAR (420kV) Bus Reactor in view of prevailing

high voltage issues in NR. POWERGRID also confirmed feasibility of replacement. In view of above, proposal for 125 MVAR (420kV) Bus Reactor was agreed.

- A.8.7 POWERGRID apprised that a similar petition was filed in CERC relating to Southern Region. The commission has approved the proposal for enhancement of rating of reactor.
- A.8.8 MS, NRPC asked POWERGRID to explain the breakup of financial burden to be shared by stakeholders due to replacement of the reactor. POWERGRID assured to submit the details.
- A.8.9 It was decided that POWERGRID may submit the cost details in next NRPC meeting.
- A.8.10 MS, NRPC expressed that utilities may plan replacement of old equipment in a combined scheme that may be executed in phases.
- A.8.11 Director (Planning), UPPTCL suggested that there is need of a proper guideline for such replacement. That may include CPRI recommendation.
- A.8.12 CTU representative stated that guideline may be a good tool for such cases.
- A.8.13 Forum decided that formation of a committee may be done to prepare draft guidelines and to formulate methodology regarding de cap of depreciated elements and replacing it with elements in add cap.

A.9 Implementation of "N -1" contingency at RE pooling substations in NR (agenda by CTU)

- A.9.1 Forum was apprised that in 8th CMETS-NR held on 30.06.2022, it was deliberated that CEA transmission planning criteria, section 16.2 mentions that *"The 'N-1' criteria may not be applied to the immediate connectivity of wind/solar farms with the ISTS/Intra-STG grid i.e., the line connecting the farm to the grid and the step-up transformers at the grid station."* The above criterion is also followed in planning of transmission system for integration of renewable energy zones in Rajasthan.
- A.9.2 It was apprised that POWERGRID vide letters dated 17th May 2022 & 19th May 2022 informed CTU that as per the current practice, N-1 criteria is not being implemented at planning stage of network with respect to step up transformers at RE pooling stations in Rajasthan (Bhadla-2, Fatehgarh-2 & Bikaner). Due to this, outage of any transformer in above stations will result into overloading of other transformers leading to cascaded tripping on overload/higher temperature and may adversely impact both RE generation as well as health of the transformers. In view of the above, POWERGRID requested CTU to implement additional 400/220kV ICTs at RE pooling stations to meet the N-1 criteria for smooth evacuation of power. POWERGRID also recommended that, N-1 criteria may be taken into consideration during planning stage for upcoming RE pooling stations.
- A.9.3 Subsequently, in 54th NRPC meeting held on 31.05.2022, the events of overloading of ICTs and cascaded tripping of generations at Bhadla in early stage of substation was discussed. It was discussed that Fatehgarh-II PS also faced similar loading on 5 nos. 500 MVA ICTs. It was deliberated in meeting that the overloading of transformers, variations in their loading throughout the day and heating/cooling cycle do affect the life of the transformer in the long run.
- A.9.4 It was discussed that high RE capacity substations must have N-1 compliance at 400/220 kV level i.e., Fatehgarh-II (both sections)/Fatehgarh-III PS, Bhadla-II PS etc. for which revised transmission planning criteria must have suitable provisions. In addition, bus sectionalisation at pooling station should have arrangements such that sharing on ICTs loading on each bus remain commensurate with underlying RE connected generation and ICTs on each bus should be N-1 compliant.

- A.9.5 In 54th NRPC meeting held on 31.05.2022, it was agreed that CTU may explore possibility of ensuring N-1 compliance at 400/220kV RE pooling stations with higher RE capacity on case-to-case basis.
- A.9.6 Accordingly, requirement of 400/220kV ICTs at each section of Bhadla-2, Fatehgarh-2 & Bikaner PS to meet the N-1 compliance were deliberated as under:

Sl. No.	Substation (Section)	Transformation Capacity (MVA)	Stage-II Connectivity at 220 kV level (MW)	RE Capacity Commissioned (MW)	LTA Granted (MW)	Remarks
1	Fatehgarh-2 (Section 1) 6 th ICT of 500MVA	5x500	2490	1990	2490	It was stated that balance 500MW capacity is expected to be commissioned in next 1-2 months. Accordingly, 400/220kV, 1x500MVA (6 th) ICT in Section-1 was agreed to be taken up on urgent basis to meet 'N-1' criteria
2	Fatehgarh-2 (Section 1A) 6 th ICT of 500MVA	4x500	2470	NIL	1820	<p>It was deliberated that Augmentation with 400/220kV, 1x500MVA Transformer (10th) at Fatehgarh-2 PS (5th ICT at Section-1A) was allocated to POWERGRID vide MoP OM dated 01.12.21 with implementation timeframe of 15 months from MOP OM or condition of evacuation requirement 4490 MW at 220 level of Fatehgarh-2 whichever is later</p> <p>At Present LTA of 4610MW is granted/agreed for grant at Fatehgarh-2 PS (1820MW at Section 1A). With this the total evacuation requirement at 220 level of Fatehgarh-2 will be 4610 MW(>4490 MW). Accordingly, the 5th ICT at Fatehgarh-2 Section-1A is being taken up along with LTA of Eden Bercy.</p> <p>Further, 1x500MVA 6th ICT at Section-1A at Fatehgarh-2 PS is to be taken up to meet "N-1" criteria in corresponding RE generation schedule with LTA beyond 2000 MW (at 220kV level) at Section-1A as well as well as for evacuation requirement</p>

Sl. No.	Substation (Section)	Transformation Capacity (MVA)	Stage-II Connectivity at 220 kV level (MW)	RE Capacity Commissioned (MW)	LTA Granted (MW)	Remarks
						<p>beyond 2000MW in section-1A (with M/s Eden Renewable Bercy evacuation requirement is 2120MW at 220kV level)</p> <p>Schedule of above ICT is to be matched with LTA grant schedule of M/s Eden Bercy (Mar'24)</p>
3	<p>Bikaner PS</p> <p>1x500MVA (3rd) & 1x500MVA (4th)</p>	2x500	1110	204	935	<p>It was stated that Cumulative RE generation of more than 800 MW will be commissioned in next 3-4 months in Bikaner PS 220 KV level. Therefore, 400/220kV, 1x500MVA (3rd) ICT may to be taken up on urgent basis to meet 'N-1' criteria. The ICT will also facilitate evacuation requirement beyond 1000MW at 220kV level of Bikaner PS.</p> <p>Further, 400/220kV, 1x500MVA (4th) ICT was agreed for LTA beyond 1000 MW at Bikaner (220kV level)</p>
4	<p>Bhadla-2 (Section 1)</p> <p>6th ICT of 500MVA</p>	5x500	2375	600	2075	<p>For LTA quantum of 2075 MW, 5x500 MVA ICT is under establishment at Bhadla-2 Section 1.</p> <p>It was discussed that since 2075MW LTA has been granted. Under N-1 of 5*500MVA ICTs, there will only be 75MW additional loading of 4*500MVA ICTs which can be managed for short duration of time. POWERGRID representative also confirmed that ICTs can be loaded with additional 75MW for short duration of time.</p> <p>Accordingly, it was decided that 400/220kV, 1x500MVA (6th) ICT is to be taken up</p>

Sl. No.	Substation (Section)	Transformation Capacity (MVA)	Stage-II Connectivity at 220 kV level (MW)	RE Capacity Commissioned (MW)	LTA Granted (MW)	Remarks
						with the additional LTA beyond 2075 MW.
5	Bhadla-2 (Section 1A) 4 th ICT of 500MVA	3x500	1520	NIL	420	3x500 MVA ICT is under establishment at Bhadla-2 Section 1A. LTA quantum at above 220kv section is 420 MW. 400/220kV, 1x500MVA (4 th) ICT may to be taken up for implementation with LTA beyond 1000 MW (220kV level) to meet 'N-1' criteria.

A.9.7 It was noted that in the Draft CEA Transmission planning criteria-2022, it is mentioned that “N-1 reliability criteria may be considered for ICTs at the ISTS /STU pooling stations for renewable energy-based generation of more than 1000 MW after considering the capacity factor of renewable generating stations.

A.9.8 It was stated that, all the above substations are closed for grant of Stage-II connectivity on new bays. Therefore, with implementation of additional ICTs at each 400/220 kV section as mentioned in the above table, the N-1 compliance of above RE pooling stations can be achieved. POWERGRID vide mail dated 26.05.2022 confirmed the availability of space at these substations for implementation of additional ICTs at each 400/220 kV sections of Fatehgarh-2, Bhadla-2 & Bikaner PS along with Cable/GIS duct connection requirement.

A.9.9 Considering the security and reliability of the system, it was agreed to implement additional ICTs in each 400/220 kV sections of the RE pooling stations in order to meet the N-1 criteria as well as to meet the evacuation requirement. Scheme was agreed to be implemented in phases as under:

A) ICTs agreed to be taken up for implementation as system strengthening scheme on urgent basis

1. Augmentation with 400/220kV, 1x500MVA Transformer at Fatehgarh-2 PS (6th ICT at Section-1 with cable/GIS duct connection at 220kV side)
2. Augmentation with 400/220kV, 1x500MVA Transformer at Bikaner PS (3rd ICT)

B) ICTs agreed to be taken up for implementation on receipt of commensurate LTA quantum at RE pooling stations as shown below

1. Augmentation with 400/220kV, 1x500MVA Transformer at Bhadla-2 PS (4th ICT at Section-1A)

Implementation Timeframe: 15 months from the date of allocation of project or evacuation requirement beyond 1000 MW at 220kV level of Bhadla-2(Section-1A) whichever is later.

2. Augmentation with 400/220 kV 1x500 MVA (6th) ICT at Fatehgarh-2 PS (In Section-1A with cable/GIS duct connection at 220kV side)

Implementation Timeframe: 15 months from the date of allocation of project or evacuation requirement beyond 2000 MW at 220kV level of

Fatehgarh-2(Section-1A) or LTA grant schedule of M/s Eden RE Berhampur (Mar'24) whichever is later.

3. Augmentation with 400/220 kV 1x500 MVA(4th) ICT at Bikaner PS

Implementation Timeframe: 15 months from the date of allocation of project or evacuation requirement beyond 1000 MW at 220kV level of Bikaner PS whichever is later.

4. Augmentation with 400/220kV, 1x500MVA (6th) ICT at Bhadla-2 PS (In Section-1 with cable/GIS duct connection at 220kV side)

Implementation Timeframe 15 months from the date of allocation of project or evacuation requirement beyond 2075 MW at 220kV level of Bhadla-II PS whichever is later.

- A.9.10 For optimal utilization of ICTs, it is recommended that Schedule for Part-B for S. No. 1,3, and 4 ICTs to be matched with RE generation schedule.
- A.9.11 Director (Technical), Punjab suggested to take up the issue of N-1 non-compliance through a mix of System Protection Scheme (SPS) at places where the transformer capacity is already high and to do capacity addition at places where transformer capacity is low. He emphasized that high capital cost of additional ICT for N-1 compliance may be rationalized.
- A.9.12 CTU representative apprised that recently more capacity is commissioned at 220kV level of Fatehgarh-2 (total about 2300 MW) & Bikaner (total about 500 MW) PS, therefore augmentation of 400/220kV, 1x500MVA Transformer at Fatehgarh-2 PS and 400/220kV, 1x500MVA Transformer at Bikaner PS is urgent need of the hour as the balance 200MW capacity is expected to be commissioned in next 1-2 months at Fatehgarh-2 PS (220kV level) and commissioning of RE generation of balance 500 MW in next 3-4 months at Bikaner PS 220 KV level.
- A.9.13 MS, NRPC stated that capacity addition as mentioned in A.9.9 Part –A for maintaining N-1 criteria may be considered. N-1 implementation scheme as mentioned in A.9.9 Part-B may be taken up as and when the need arises in the subsequent NRPC meetings. He also denied SPS as a viable alternative for ensuring N-1 contingency at RE Pooling Substations as it will lead to Partly/Full loss of generation of must run RE power.
- A.9.14 NRLDC highlighted that agenda text may be made in line with actual discussion of 54th NRPC meeting and 8th CMETS meeting.
- A.9.15 NRPC representative stated that there is no need to amend agenda. However, corrections desired by NRLDC shall be taken in Mom of this meeting itself.
- A.9.16 Forum approved the proposal of CTU for following:
- Augmentation with 400/220kV, 1x500MVA Transformer at Fatehgarh-2 PS (6th ICT at Section-1 with cable/GIS duct connection at 220kV side)
 - Augmentation with 400/220kV, 1x500MVA Transformer at Bikaner PS (3rd ICT)
- A.9.17 Forum decided that CTU may put up agenda in NRPC meetings for augmentation of other ICTs on receipt of commensurate LTA in future.

A.10 Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex: 7.7GW) (agenda by CTU)

- A.10.1 Forum was apprised that CTU has submitted the following proposal:

Sl. No.	Items	Details
1.	Name of Scheme	Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex: 7.7GW)

Sl. No.	Items	Details
2.	Scope of the scheme	<p>Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex: 7.7GW) (Bikaner-II: 3.7GW (Solar) + Bikaner-III: 4GW (7GW Solar+3GW BESS))</p> <ul style="list-style-type: none"> Establishment of 6x1500 MVA, 765/400kV (along with one spare unit of 500MVA), & 5x500 MVA[^] 400/220kV Bikaner-III Pooling Station along with 2x330 MVar (765kV) Bus Reactor (along with one spare unit of 110 MVar) & 2x125 MVar (420kV) Bus Reactor at a suitable location near Bikaner <p><u>Future provisions at Bikaner-III PS*:</u></p> <p>Space for</p> <ul style="list-style-type: none"> ➤ 765/400kV ICT along with bays- 1 no. ➤ 765 kV line bays along with switchable line reactors – 4 nos. ➤ 765kV Bus Reactor along with bay: 1 no. ➤ 400 kV line bays along with switchable line reactor –4 nos. ➤ 400 kV line bays–4 nos. ➤ 400/220kV ICT along with bays -5 nos. ➤ 400 kV Bus Reactor along with bay: 1 no. ➤ 400kV Sectionalization bay: 2 sets ➤ 220 kV line bays for connectivity of RE Applications - 6 nos.* ➤ 220kV Sectionalization bay: 3 sets ➤ STATCOM (2x±300MVar) along with MSC (4x125 MVar) & MSR (2x125 MVar) <ul style="list-style-type: none"> Augmentation with 400/220 kV, 5x500 MVA[^] ICT at Bikaner-II PS Augmentation with 765/400 kV, 1x1500MVA ICT (4th) at Bikaner (PG) LILO of both ckts of 400kV Bikaner (PG)-Bikaner-II D/c line at Bikaner-III PS (~20 km) Bikaner-II PS – Bikaner-III PS 400 kV D/c line (Quad) (~30 km) Establishment of 765/400 kV, 4x1500 MVA (along with one spare unit of 500MVA), Neemrana-II S/s along with 2x330 MVar (765kV) Bus Reactor (along with one spare unit of 110 MVar) & 2x125 MVar (420kV) Bus Reactor at a suitable location near Neemrana <p><u>Future provisions at Neemrana-II S/s:</u></p> <p>Space for</p> <ul style="list-style-type: none"> ➤ 765/400kV ICT along with bays- 2 no. ➤ 765 kV line bays along with switchable line reactors – 6 no. ➤ 765kV Bus Reactor along with bay: 1 no. ➤ 400 kV line bays along with switchable line reactor –6 no. ➤ 400 kV Bus Reactor along with bays: 1 no. ➤ 400kV Sectionalization bay: 2 sets

Sl. No.	Items	Details
		<ul style="list-style-type: none"> • Bikaner-III – Neemrana-II 765 kV 2xD/c line (~350 km) along with 330 MVar switchable line reactor for each circuit at each end • Neemrana-II- Bareilly(PG) 765 kV D/c line (~350 km) along with 330 MVar switchable line reactor for each circuit at each end • Neemrana-II -Kotputli 400 kV D/c line (Quad)(~70 km) • Augmentation by 400/220 kV, 1x500 MVA (3rd) ICT at Kotputli (PG) • LILO of both ckts of Sohna Road(GPTL)-Gurgaon(PG) D/c line at Neemrana-II S/s (~85 km) • 220 kV line bays at Bikaner-III PS for RE Connectivity (6 nos)* <p><i>^incl 1x500MVA ICT to fulfill 'N-1' requirement</i></p> <p><i>* Recently, 220kV bays (4 nos) at Bikaner-III PS agreed in CMETS-NR meetings commensurate to Stage-II connectivity applications granted. In view of that 220 kV line bays at Bikaner-III PS for RE Connectivity (6 nos.) is taken up in addition to the scope agreed in 8th CMETS-NR meeting. The corresponding no. of 220 kV bays reduced from Future scope of Bikaner-III PS.</i></p>
3.	Upstream/downstream system associated with the scheme	<p>Connectivity of Under implementation 400/220kV Bikaner-II S/s includes 400kV D/c interconnection with Khetri (2xD/c) and Bikaner (PG). 765/400/220kV existing Bikaner (PG) S/s is interconnected to 765/400kV Khetri , 765/400/220kV Bhadla (PG) and 765/400kV Moga S/s through 765kV D/c lines. 765/400kV existing Bareilly(PG) S/s is interconnected to 765/400kV Lucknow S/s through 765kV D/c line and 400kV Bareilly (PG) and Kashipur S/s through 400kV D/c lines.</p>
4.	Objective / Justification	<ol style="list-style-type: none"> 1. MNRE vide letter No. 367-13/1/2021-GEC dated 15.02.2022 addressed to Joint Secretary (Trans), MoP, had forwarded the Renewable Energy Zones (REZs) identified by MNRE/SECI with a total capacity of 181.5 GW for likely benefits by the year 2030. Transmission plan was to be prepared for the identified RE zones. These REZ's are located in eight states, out of which 75 GW REZs includes state of Rajasthan comprising of 15 GW Wind and 60 GW Solar potential. 2. Accordingly, a Comprehensive transmission scheme was evolved for evacuation of 75GW RE from Rajasthan. Out of above comprehensive scheme, transmission scheme is evolved for about 8GW (Solar) in Bikaner complex with potential (14GW along with 6GW BESS) as below: <ul style="list-style-type: none"> • Bikaner-II: 4 GW(7GW Solar+ 3 GW BESS)

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Sl. No.	Items	Details																									
		<ul style="list-style-type: none">Bikaner-III:4 GW(7GW Solar+ 3 GW BESS) <p>3. At Bikaner-II PS, St-II Connectivity for 5.575 GW RE is already granted against the potential of 1.9 GW (revised from 2.9GW) identified under Ph-II), therefore, evacuation for additional 3.7 GW capacity is required from Bikaner-II PS.</p> <p>4. For additional solar potential of 7GW with 3GW BESS at Bikaner-III, evacuation system (4 GW) shall also be required. Therefore, total evacuation system requirement for 7.7GW (3.7+4 GW) shall be required from Bikaner Complex (Bikaner-II & III).</p> <table><tr><th>S.No</th><th>Pooling Station</th><th colspan="2">Total RE potential (GW)</th><th>Net RE generation</th></tr><tr><td></td><td></td><th>Solar</th><th>BESS</th><td></td></tr><tr><td>1</td><td>Bikaner-II</td><td>3.7*</td><td>-</td><td>3.7</td></tr><tr><td>2</td><td>Bikaner-III</td><td>7</td><td>3</td><td>4</td></tr><tr><td></td><td></td><td>10.7</td><td>3</td><td>7.7</td></tr></table> <p><i>*1.9GW Solar potential is already considered in Ph-II at Bikaner-II. Total potential considered at Bikaner-II: 5.6GW (1.9+3.7)</i></p> <p>5. Evacuation system planned earlier in Ph-I, II, III from Bikaner complex was adequate for evacuation of about 4.8 GW RE potential from Bikaner complex. however, recently due to restrictions in GIB area, CTU has received more no. of connectivity applications in Bikaner complex. Stage-II connectivity received at Bikaner (PG) & Bikaner-II PS has already exceeded the envisaged potential in Bikaner complex as part of Ph-I (2.9 GW) and Ph-II (1.9 GW) potential.</p> <p>6. Upon grant of about 5.575 GW St-II Connectivity, in the 5th & 6th CMETS in NR, no further grant for St-II connectivity at 400/220kV Bikaner-II was decided. However, to effect LTA of entire Stage-II grant at Bikaner-II, additional corridors shall need to be planned from Bikaner-II PS. Further, as Bikaner PS and Bikaner-II PS are interconnected, power flow on interconnection is influenced by RE generation dispatched at each Pooling station. Considering space limitation of 400kV bays for additional corridors as well as 765/400kV ICTs at Bikaner PS, there is limitation on evacuation of power from Bikaner PS.</p>	S.No	Pooling Station	Total RE potential (GW)		Net RE generation			Solar	BESS		1	Bikaner-II	3.7*	-	3.7	2	Bikaner-III	7	3	4			10.7	3	7.7
S.No	Pooling Station	Total RE potential (GW)		Net RE generation																							
		Solar	BESS																								
1	Bikaner-II	3.7*	-	3.7																							
2	Bikaner-III	7	3	4																							
		10.7	3	7.7																							

Sl. No.	Items	Details
		<p>7. The agenda for evacuation of power from Bikaner-II & Bikaner-III PS along with studies was discussed in 8th CMETS-NR meeting wherein observations on agenda/studies by Stakeholder incl. HVPN and POSOCO were deliberated. HVPN vide letter 28.06.22 and POSOCO mail dated 01.07.22 also sent their observations on agenda/studies.</p> <p>8. Based on observations from Stakeholders, revised study files shared to all constituents on 01.07.22. Subsequently, HVPN vide letter 05.07.22 concurred with the proposal</p> <p>9. Based on POSOCO input, CTU also carried out P-V and Q-V stability analysis in line with the discussion held in meeting and enclosed as part of minutes of 8th CMETS-NR meeting</p> <p>10. Considering grant of connectivity to new RE generators in Bikaner complex (incl. Bikaner-III) as well as for evacuation of power beyond Bikaner complex (Bikaner/Bikaner-II/Bikaner-III PS), transmission scheme was agreed for evacuation of power from Rajasthan REZ Ph-IV (Part-1) [Bikaner complex :7.7GW] in the 8th CMETS-NR meeting with scope at S. No. 2</p>
5.	Estimated Cost	Total: Rs 13459.64 Cr.
6.	Need of phasing, if any	Not Applicable
7.	Implementation timeframe	18 months from allocation of project
8.	System Study for evolution of the proposal	<p>Studies discussed and agreed in following meeting:</p> <ul style="list-style-type: none"> 8th CMETS-NR meeting held on 30.06.2022 (Minutes of meeting enclosed in Annexure-I of Annexure-A.V of agenda) Study assumptions are enclosed in Annexure-II of Annexure-A.V of agenda. Load flow results is attached at Exhibit-II of Annexure-A.V of agenda.

- A.10.2 CTU representative apprised the forum that the proposed transmission system is a part of transmission system required to attain 500 GW RE target upto 2030.
- A.10.3 On suggestion of MS, NRPC, CTU assured to present the masterplan in next NRPC meeting.
- A.10.4 In response to query raised by MS, NRPC regarding higher cost per MW in comparison to old transmission systems, CTU representative apprised the forum that proposed transmission system at Bikaner-II and Bikaner-III is all together a new system and there is no margin for utilising existing/under construction transmission system for transmitting power. Also, the escalation in cost of equipment with time add to the increase in transmission system cost per MW. Length of lines at 765kV level has also contributed for high cost.
- A.10.5 Forum approved the scheme having tentative cost of Rs 13459.64 Cr. as per attached details at **Annexure-A.I.**

- A.10.6 MS, NRPC suggested that CTU may apprise NRPC forum in every meeting regarding status of completion of projects approved.
- A.10.7 NRLDC representative stated that many long 765kV lines are planned which are supposed to carry large amount of powers. There is possibility of line loading increasing more than 3500MW or angular difference > 30deg under N-1 contingency.
- A.10.8 As has been observed in last several months, switching operation/ tripping of UHV lines/ large reactors in solar complexes are sometimes leading to large voltage changes due to low fault level and low SCR, oscillations in the grid. The list of such events was also presented by POSOCO representative. It was requested that additional studies may be carried out at system planning level to assess these vulnerabilities and suggesting preventive actions. Reactive power management is being faced as biggest challenge in real-time operation especially in case of shutdown/ tripping of some important lines.
- A.10.9 In the proposal under discussion, STATCOM have been considered under future provision however, it is essential that these are also be taken in timeline with planned transmission system.
- A.10.10 CTU representative stated that issues are being faced due to low short circuit level of RE complexes due to less short circuit contribution from RE generation. The solar generators also seem not to be providing any reactive power support as per requirement. However, the tripping due to switching operation would minimize as the system grows and sufficient compensation is being provided at planning level. However, based on experience if required, more dynamic compensation may be planned.
- A.10.11 CTU stated that POSOCO and CTU may jointly discuss or an expert/ third party advice may also be taken for resolving issues related to dynamic studies at all India level.
- A.11 Downstream network by State utilities from ISTS Station (agenda by UPPTCL)**
- A.11.1 Director (Planning), UPPTCL submitted that in past few years of OCC meetings, there is a standard agenda to review the progress of downstream network to be constructed by State utilities for ISTS Station, wherein it is desired from state utilities to provide the updated status of downstream network.
- A.11.2 It is pertinent to mention that UP-STU, as well as other state utilities has informed to the forum that for some ISTS stations they have no plan for connecting the unutilized bays and neither is it required by them.
- A.11.3 CTU on the other hand has also informed to the forum that in past there was a standard practice for minimum number of bays associated with each ICT, on the normative basis,.
- A.11.4 It is proposed that review of unutilized bays from state utilities should be done on the basis of commitment made by the state utilities.
- A.11.5 MS, NRPC stated that the issue belongs to old days when states had agreed for normative basis. Now, old decisions can not be turned down but issue may be well taken care by CTU in future projects.
- A.11.6 Director (Transmission), Punjab stated that if transformer is planned for N-1 compliance, then bays shall not be planned on normative basis.
- A.11.7 CTU representative apprised that now additional ICTs are being installed to make substations meet N-1 criterion and does not add any additional bays without STU concurrence.

- A.11.8 MS, NRPC agreeing to points apprised by UP representative, concluded that an addition of bays at substations will be done in discussion with requirements of state utilities.
- A.12 Laying of OPGW over 220 kV FGPP-Palla line (owned by PGCIL) for Data Communication of 220 kV Substation Sector-78 of HVPNL (Agenda by HVPNL)**
- A.12.1 HVPNL apprised that proposal of Intra-state transmission scheme involving re-configuration / interconnection with ISTS elements was deliberated in meeting held on 10.6.2021 between CEA, CTUIL, POWERGRID and HVPNL, wherein it was agreed as under:
- “CTU suggested that as the 220 kV D/c FGPP-Palla line is maintained by Powergrid, all the issues related with communication equipment for the LILO portion of the line may be resolved mutually between HVPNL and Powergrid. Powergrid stated that the proposed LILO as well as associated communication equipment should be in HVPNL’s scope. HVPNL agreed for the same.”*
- A.12.2 During the 4th meeting of Northern Regional Power Committee (Transmission Planning) of CEA held on 05.10.2021 and 12.10.2021, the aforesaid decision was concurred/ratified and it was approved that 220 kV substation Sec-78, Faridabad is to be commissioned through LILO of one circuit of PGCIL owned 220kV FGPP – Palla (15 Kms) line.
- A.12.3 Now HVPNL intends to lay OPGW by replacing earthwire on 220KV FGPP – Palla line for Connectivity of 220 kV substation Sector 78 Faridabad to SLDC Control Centre. The work of construction of LILO portion of 220kV FGPP – Palla (15 Kms) line at 220 kV substation Sector 78 Faridabad is going on in full swing and for Data Connectivity to Haryana SLDC Control Centre, OPGW is required to be provided on PGCIL owned 220kV FGPP – Palla (15 Kms) line.
- A.12.4 It is also pertinent to mention here that visit of Hon’ble Prime Minister of India is scheduled on 24.08.2022 for inauguration of Amrita hospital (Mata Amritanandamayi Math) in Faridabad and supply of this Hospital is to be fed from 220kV Substation Sec-78, Faridabad. Thus, all the works associated with 220kV Substation Sec-78, Faridabad are to be completed in all respect well before scheduled visit of Hon’ble Prime Minister.
- A.12.5 Earlier, HVPNL had entered into an agreement with POWERGRID on 20th Dec 2012, for sharing ROW and fibers. The clause vi of the agreement is reproduced as under:
- “The same rate, terms & conditions of Fiber leasing/ROW shall be applicable on reciprocal basis if HVPNL desires to take Fiber on lease/ ROW for laying of OPGW on POWERGRID’s transmission line(s) as and when required by HVPNL during the currency of agreement subject to the availability of Fibers”*
- A.12.6 Now Live line permit for laying the OPGW on this line is being denied by the PGCIL without assigning any cogent reason and in utter violation of agreement.
- A.12.7 The agenda was also deliberated in the 2nd meeting of ISTS Communication Planning on dated 25.07.2022. PGCIL had assured of an early approval from the management but now they have refused for laying of OPGW on 220kV FGPP – Palla line by HVPNL. PGCIL has unilaterally violated the agreement dated 20.12.2012. PGCIL/NRLDC may be asked to provide express consent for live line permit for laying of OPGW by replacing earth wire on 220 kV FGPP-Palla Line immediately so that intended work may be completed well before visit of Hon’ble Prime Minister.
- A.12.8 In the meeting, POWERGRID stated that the agreement cited by HVPNL is not related to the line under discussion. CTU has to agree on the proposal of HVPNL.

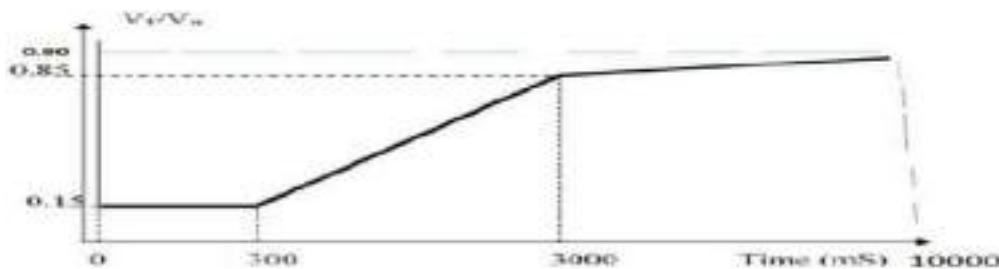
POWERGRID emphasized that if forum agrees for the same, then they have no issue with HVPNL proposal.

- A.12.9 CTU stated that they have not been informed regarding the issue. However, there is no tariff related issue in HVPNL proposal.
- A.12.10 MS, NRPC stated that there is always a requirement of co-ordination and understating between utilities for communication channel. Utilities should co-operate positively.
- A.12.11 MS, NRPC asked POWERGRID to accept request of Haryana and allow them to lay OPGW on 220kV FGPP – Palla line by HVPNL and commission the substation.
- A.12.12 POWERGRID agreed for the same.

A.13 HVRT/LVRT non-compliance at RE stations (agenda by NRLDC)

- A.13.1 POSOCO representative stated that as per CEA Technical Standards for connectivity to Grid 2019.

The RE generating stations connected to the grid, shall remain connected to the grid when voltage at the interconnection point on any or all phases dips up to the level depicted by the thick lines in the following curve, namely: —
VT : Actual Voltage; Vn: Nominal Voltage—



Provided that during the voltage dip, the supply of reactive power has first priority, while the supply of active power has second priority and the active power preferably be maintained during voltage drops, provided, a reduction in active power within the plant's design specifications is acceptable and active power be restored to at least 90% of the pre-fault level within 1 sec of restoration of voltage.

The generating station connected to the grid, shall remain connected to the grid when voltage at the interconnection point, on any or all phases (symmetrical or asymmetrical overvoltage conditions) rises above the specified values given below for specified time —

Over voltage (pu)	Minimum time to remain connected (Seconds)
$1.30 < V$	0 Sec (Instantaneous trip)
$1.30 \geq V > 1.20$	0.2 Sec
$1.20 \geq V > 1.10$	2 Sec
$V \leq 1.10$	Continuous

- A.13.2 Issue of LVRT/HVRT non-compliance of RE generators have been raised many number of times. From number of events during recent past it is observed that RE generators drops their active power during occurrence of any through fault and don't revive back to its antecedent value in defined time. In view of the same, detailed analysis of behavior of RE generators during grid disturbance which occurred on 09th July, 2022 is attached as Annexure-II of agenda.

- A.13.3 On 09.07.2022 at 13:42 hrs multiple element tripping happened in Rajasthan solar complex and drop in solar generation of approx. 3485 MW also took place. From the available data at NRLDC, it can be observed that almost all the RE stations dropped their active power during through fault and revived back with delay (instead of 1 sec as per regulations). Hence, RE generators seem to be LVRT/ HVRT non-compliant. However, data from solar plant end is yet to be received from most of the solar generators. The issue was also communicated to ISTS RE generators vide NRLDC letters dated 18.07.2022.
- A.13.4 Sudden drop in this large quantum of RE generations leads to significant drop in frequency and rise in voltages across the RE pockets in NR. Thus, non-compliance of LVRT/ HVRT of RE generators hampers the security and reliability of grid. Hence, corrective actions needs to be taken to ensure to LVRT/HVRT compliance of RE generators on priority.
- A.13.5 2 RE plants are accepting LVRT/HVRT compliance issues and stated they are trying to resolve the issues in consultation with OEM, however some plants are yet to respond. Two meetings were held with RE generators on 13th June 2022 and 21st June 2022 wherein various RE plants related issues were discussed and RE plants were advised to take necessary actions.
- A.13.6 In the meeting, it was discussed that Central Electricity Authority (Technical Standards for Connectivity to the Grid) regulations, 2019 also mention that the user may be disconnected from the grid by the licensee for non-compliance of any provisions of these regulations. Any non-compliance of provision of these regulations shall be reported by the licensee or SLDC or RLDC, as the case may be to appropriate commission.
- A.13.7 MS NRPC stated that this is a serious issue as non-compliance of CEA regulations is observed and POSOCO should highlight the issue to CEA as CEA regulations are being violated. After discussion at highest level in CEA, further action may be deliberated.
- A.13.8 NRLDC representative also requested Rajasthan SLDC to communicate LVRT/ HVRT non-compliances in their state control area for last number of events so that LVRT/ HVRT non-compliances are comprehensively communicated to CEA. Rajasthan SLDC representative stated that no or very less information is being received from most of the plants in this regard and PMU data is not available. However, they would try and share the LVRT/HVRT non-compliances in state control area as per available data.

Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex: 7.7GW)

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S.No.	Transmission Elements	Cost of the Transmission Element (in Rs. Crore)
(a)	Transmission Scheme (Bikaner-III onwards)	
1	<p>Establishment of 6x1500 MVA (along with one spare unit of 500MVA), 765/400 kV & 5x500 MVA 400/220 kV Bikaner-III Pooling Station along with 2x330 MVar (765kV) Bus Reactor (along with one spare unit of 110 MVar) & 2x125 MVar (420kV) Bus Reactor at a suitable location near Bikaner</p> <p>Future provisions: Space for</p> <ul style="list-style-type: none"> • 765/400kV ICT along with bays- 1 no. • 765 kV line bays along with switchable line reactors – 4 nos. • 765kV Bus Reactor along with bay: 1 no. • 400 kV line bays along with switchable line reactor –4 nos. • 400 kV line bays–4 nos. • 400/220kV ICT along with bays -5 nos. • 400 kV Bus Reactor along with bay: 1 no. • 400kV Sectionalization bay: 2 sets • 220 kV line bays for connectivity of RE Applications -6 nos. • 220kV Sectionalization bay: 3 sets • STATCOM (2x±300MVar) along with MSC (4x125 MVar) & MSR (2x125 MVar) 	1,038.94
2	LILO of both ckts of 400kV Bikaner (PG)-Bikaner-II D/c line(Quad) at Bikaner-III PS (~20 km)	244.70
3	Bikaner-II PS – Bikaner-III PS 400 kV D/c line (Quad) (~30 km)	196.35
4	220 kV line bays at Bikaner-III PS(6 no.) for interconnection of RE Projects	52.58
5	<p>Establishment of 765/400 kV, 4x1500 MVA (along with one spare unit of 500MVA) Neemrana-2 S/s along with 2x330 MVar (765kV) Bus Reactor (along with one spare unit of 110 MVar) & 2x125 MVar (420kV) Bus Reactor at a suitable location near Neemrana</p> <p>Future provisions: Space for</p> <ul style="list-style-type: none"> • 765/400kV ICT along with bays- 2 • 765 kV line bays along with switchable line reactors – 6 • 765kV Bus Reactor along with bay: 1 nos. • 400 kV line bays along with switchable line reactor –6 • 400 kV Bus Reactor along with bays: 1 no. • 400kV Sectionalization bay: 2 sets 	612.78
6	Bikaner-III - Neemrana-2 765 kV 2xD/c line (~350 km) along with 330 MVar switchable line reactor for each circuit at each end	6,407.85

7	Neemrana-2- Bareilly (PG) 765 kV D/c line (~350 km) along with 330 MVA switchable line reactor for each circuit at each end	3,271.10	107
8	Neemrana-2 -Kotputli 400 kV D/c line (Quad)(~70 km)	389.74	
9	LILO of both ckts of 400 kV Gurgaon (PG) - Sohna Road (GPTL) D/c line (Quad) at Neemrana-2 S/s (~85 km)	873.22	
	Total (a)	13,087.25	
(b)	Additional transmission works in Existing/UC Substations		
1	Augmentation by 400/220 kV, 5x500 MVA ICT at Bikaner-II PS	227.58	
2	Augmentation by 765/400 kV, 1x1500MVA ICT (4th) at Bikaner (PG)	99.29	
3	Augmentation by 400/220 kV, 1x500 MVA ICT (3rd) at Kothputli (PG)	45.52	
	Total (b)	372.39	
	Total (a+b)	13459.64	



भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केंद्रीय विद्युत प्राधिकरण
Central Electricity Authority
विद्युत प्रणाली योजना एवं मूल्यांकन प्रभाग-II
Power System Planning & Appraisal Division-II

सेवा में/To

As per list of Addresses

विषय : ट्रांसमिशन पर राष्ट्रीय समिति (एनसीटी) की नवी बैठक के कार्यवृत्त - के सम्बन्ध में ।

Subject: Minutes of the 9th Meeting of National Committee on Transmission (NCT) –regarding.

महोदया (Madam) / महोदय (Sir),

The 9th meeting of the "National Committee on Transmission" (NCT) was held on 28th September, 2022. Minutes of the meeting is attached for kind information.

भवदीय/Yours faithfully,

[Signature]
01.11.2022

(ईशान शरण/Ishan Sharan)
मुख्य अभियंता / Chief Engineer

प्रतिलिपि / Copy to:

संयुक्त सचिव (पारेषण), विद्युत मंत्रालय, नई दिल्ली /
 Joint Secretary (Trans), Ministry of Power, New Delhi

List of Addresses:

1.	Chairperson, Central Electricity Authority Sewa Bhawan, R.K. Puram, New Delhi – 110 066.	2.	Member (Power System), Central Electricity Authority Sewa Bhawan, R.K. Puram, New Delhi – 110 066.
3.	Member (Economic & Commercial), Central Electricity Authority Sewa Bhawan, R.K. Puram, New Delhi – 110 066.	4.	Director (Trans), Ministry of Power Shram Shakti Bhawan, New Delhi-110001.
5.	Sh. Dilip Nigam, Scientist 'G', MNRE, Block no. 14, CGO Complex, Lodhi Road, New Delhi – 110003	6.	Chief Operating Officer, CTUIL, Saudamini, Plot No. 2, Sector-29, Gurgaon – 122 001.
7.	Sh. Rajnath Ram, Adviser (Energy), NITI Aayog, Parliament Street, New Delhi – 110 001.	8.	CMD, POSOCO, B-9, Qutub, Institutional Area, Katwaria Sarai, New Delhi – 110010
9.	Dr. Radheshyam Saha, Ex. Chief Engineer, Central Electricity Authority		

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Minutes of the 9th meeting of National Committee on Transmission (NCT) held on 28.09.2022

List of participants is attached as **Annex-I**.

Chairperson, CEA, & Chairman, NCT, welcomed the participants and suggested that the meetings of NCT should be held more frequently, preferably every month. Thereafter, he requested Member Secretary, NCT, to take up the agenda points for discussion.

1 Confirmation of the minutes of the 8th meeting of National Committee on Transmission.

- 1.1 Member Secretary, NCT, stated that the minutes of the 8th meeting of NCT held on 25.03.2022 was issued vide CEA letter no CEA-PS-11-15(11)/1/20-PSPA-I dated 05.05.2022. Further, corrigendum to the minutes was issued vide CEA letter no.CEA-PS-11-15(11)/1/2020-PSPA-I Division/258 dated 13.06.2022.
- 1.2 The minutes of 8th meeting of NCT along with the corrigendum dated 13.06.2022 were confirmed.

2 Change in Scope of Under Bidding Schemes

2.1 Transmission scheme for Solar Energy Zone in Gadag (1500 MW), Karnataka: Part A Phase-II

- 2.1.1 Member Secretary, NCT, stated that in the revised scope of works for “Transmission scheme for Solar Energy Zone in Gadag (1500MW), Karnataka: Part A Phase-II” (approved in the 8th meeting of NCT held on 25.03.2022), provision for bus sectionalizer at 220 kV level was not included in the scope of works. However, during the preparation of RfP document for the scheme, it was observed that provision for total 12 no of bays at 220 kV level (present as well as future) had been approved at Gadag Pooling station (Phase I & Phase II). As per CEA Manual on Transmission Planning Criteria, there can be a maximum of eight (8) feeders in one section at 220 kV level. Keeping in view that 4 no of 220 kV bays are already under implementation under Gadag Phase-I scheme, it was necessary to incorporate the provision of bus sectionaliser at 220 kV level in the RfP document of Gadag Phase-II scheme
- 2.1.2 In line with the same, CTU vide letter no. C/CTU/S/03/NCT dated 15.06.2022 had requested for inclusion of 220 kV bus sectionalizer bay along with associated Bus Coupler (BC) & Transfer Bus Coupler (TBC) bays at Gadag PS in the scope of works for Transmission scheme for Solar Energy Zone in Gadag (1500MW), Karnataka: Part A Phase-II.

2.1.3 As the scheme was already under bidding, following revised scope of works was communicated to the BPC:

Sl. No.	Scope of the Transmission Scheme	Capacity / line length km
1.	400/220 kV, 3x500 MVA ICT Augmentation at Gadag Pooling Station	400/220 kV, 500 MVA ICT – 3 400 kV ICT bays – 3 220 kV ICT bays – 3 220 kV line bays – 4 220kV sectionalization bay: 1 set 220kV Bus Coupler (BC) bay: 1 220kV Transfer Bus Coupler (TBC) bay - 1
2.	Gadag PS-Koppal PS 400 kV (high capacity equivalent to quad moose) D/c line	Length – 60
3.	400 kV line bays at Gadag PS and Koppal PS for Gadag PS-Koppal PS 400 kV D/c line	Line bays – 4 (2 each at Gadag PS & Koppal PS)

2.1.4 Members noted the above revised scope of Transmission scheme for Solar Energy Zone in Gadag (1500MW), Karnataka: Part A Phase-II. Chairperson, CEA, opined that the transmission schemes must be formulated with utmost care and modifications at later stage must be avoided.

2.2 **Modification in the “Transmission system for evacuation of power from REZ in Rajasthan (20GW) Phase –III”**

2.2.1 Various transmission schemes viz. ‘Transmission system for evacuation of power from REZ in Rajasthan (20GW) Phase –III’ were approved in the 5th NCT meeting held on 25.08.2021 and 02.09.2021. The same was notified by MoP for implementation vide Gazette notification dated 06.12.2021. The transmission schemes are presently under bidding. In regard to the above approved schemes, CTUIL vide mail dated 08.09.2022 has intimated some modifications in the following packages on account of increase in line length and addition in future provisions:

Sl. No.	Scheme	Scope	As approved in 5 th NCT	Modification/ Additional provision
1.	Transmission system for evacuation of power from REZ in Rajasthan (20GW) under Phase-III Part A3	Fatehgarh-III PS - Bhadla-III PS 400kV D/c line (Quad)	<ul style="list-style-type: none"> • 400 kV, 50 MVAR Switchable line reactor – 4 nos. • Switching equipment for 400 kV 50 MVAR switchable line reactor – 4 nos. 	<ul style="list-style-type: none"> • 400 kV, 63 MVAR Switchable line reactor – 4 nos. • Switching equipment for 400 kV 63 MVAR switchable line reactor – 4 nos.

Sl. No.	Scheme	Scope	As approved in 5 th NCT	Modification/ Additional provision
2.	Transmission system for evacuation of power from REZ in Rajasthan (20GW) under Phase-III Part B1	Fatehgarh-II PS – Bhadla-III PS 400kV D/c line (Quad)	<ul style="list-style-type: none"> • 400 kV, 50 MVAR Switchable line reactor – 4 nos. • Switching equipment for 400 kV 50 MVAR switchable line reactor – 4 nos. 	<ul style="list-style-type: none"> • 400 kV, 63 MVAR Switchable line reactor – 4 nos. • Switching equipment for 400 kV 63 MVAR switchable line reactor – 4 nos.
3.	Transmission system for evacuation of power from REZ in Rajasthan (20GW) under Phase-III Part C1	Establishment of 2x1500 MVA/765/400kV & 2x500 MVA 400/220 kV pooling station at Ramgarh along with 2x240 MVAR (765kV) Bus Reactor & 2x125 MVAR (420kV) Bus reactor	--	<i>Future provision to be included:</i> Space provision for STATCOM (\pm 2x300MVAR, 4x125 MVAR MSC, 2x125 MVAR MSR) at Ramgarh S/s

2.2.2 CTU informed that in the survey report shared by BPC, with the identified Bhadla-III PS location, there is significant increase in the length of Fatehgarh-III PS - Bhadla-III PS 400 kV D/c line and Fatehgarh-II PS - Bhadla-III PS 400 kV D/c line from the tentative length approved in the 5th NCT meeting (i.e. 200 km to around 274 km and 243 km respectively). Therefore, the line reactive compensation agreed with the earlier line lengths also need to be revised. Further, as part of Rajasthan Phase-III schemes, establishment of Ramgarh S/s was approved under Phase-III Part C1 package in the 5th NCT. However, future space provision for STATCOM (\pm 2x300 MVAR, 4x125 MVAR MSC, 2x125 MVAR MSR) at Ramgarh S/s was inadvertently missed in the above package. Since the Package Phase-III Part C1 is under bidding, the same can be included in the future provision under Scope of works of Ramgarh S/s.

2.2.3 Dr. R. Saha, Expert Member NCT, raised the apprehension regarding very less improvement in voltage profile with upgradation of capacity of Switchable Line Reactors (SLR) from 50MVAR to 63MVAR. He stated that for substantial improvement in voltage profile, upgrading the capacity of SLR to 125 MVAR may be considered.

2.2.4 Representative of CTUIL stated that 63 MVAR is the optimum capacity chosen for upgradation as any rating above 80 MVAR would result in overcompensation of the transmission line. He further stated that modifications/additional provisions proposed in the above table have been

intimated to BPCs for incorporation in the RfP document of the respective transmission schemes.

2.2.5 Chairperson, CEA, and Chairman, NCT, stated that any change in the scope of already notified schemes must be ratified by NCT.

2.2.6 NCT noted the modifications in the scope of works of Transmission system for evacuation of power from REZ in Rajasthan (20 GW) Phase –III.

3 Status of the transmission schemes noted/approved/recommended to MoP in the meetings of NCT:

3.1 Member Secretary, NCT, presented the status of the transmission schemes noted/approved/recommended in the 8th meeting of NCT. The Updated status is given below:

Sr. No	Name of the Transmission Scheme	Noted/ Recommended/ Approved	Survey Agency	MoP approval	BPC	Status
1.	Inter-regional ER-WR Interconnection	Approved for implementation through TBCB	RECPDCL	Not required	RECPDCL	RFP initiated on 21.09.2022. Bid deadline 23.11.2022.
2.	Western Region Expansion Scheme-XXV (WRES-XXV)	Approved for implementation through RTM	Not applicable	Not required	CTUIL	
3.	Western Region Expansion Scheme-XXVII (WRES-XXVII)	Approved for implementation through TBCB	PFCCL	Not required	PFCCL	Issuance of RFP Notification and documents is at approval stage.
4.	Western Region Expansion Scheme-XXVIII (WRES-XXVIII)	Approved for implementation through TBCB	PFCCL	Not required	PFCCL	RFP initiated on 20.09.2022. Bid deadline 21.11.2022.
5.	Western Region Expansion Scheme-XXIX (WRES-XXIX)	Approved for implementation through TBCB	PFCCL	Not required	PFCCL	RFP initiated on 20.09.2022. Bid deadline 21.11.2022.
6.	Transmission system for evacuation of power from Luhri Stage-I HEP	Approved for implementation through TBCB	CTUIL	Not required	RECPDCL	RFP initiated on 06.09.2022. Bid deadline 09.11.2022
7.	Transmission system for evacuation of power from Kaza Solar Power Project (880 MW)	Recommended to MoP for Implementation through TBCB	PFCCL	MoP approval awaited		Discussed below at para 3.2.
8.	ISTS Network Expansion scheme in Western Region & Southern Region for export of surplus power	Recommended to MoP for Implementation through TBCB	RECPDCL	Approved and notified vide Gazette		RfP initiated on 25.07.2022. Bid deadline 10.11.2022.

Sr. No	Name of the Transmission Scheme	Noted/ Recommended/ Approved	Survey Agency	MoP approval	BPC	Status
	during high RE scenario in Southern Region			Notification dated 13.06.2022		

- 3.2 Regarding transmission system for evacuation of power from Kaza Solar Power Project (880 MW), Director, MoP, stated that SJVN had informed them about land identification issues and involvement of forest land for which relaxation is being sought.

CTUIL stated that NRPC has agreed for phasing of approved transmission system for Kaza solar project.

After discussions, NCT decided that the Transmission system for evacuation of power from Kaza Solar Power Project (880 MW) would be taken up once firm commitment about timeline of commissioning of Kaza solar park is received from SJVN.

- 3.3 Chairperson, CEA, enquired about the reasons for delay in the issuance of RfP documents by the BPC. It was informed that after issuance of minutes of NCT, CTUIL (for schemes involving augmentation of existing ISTS substation) obtains requisite information/inputs like sub-station layout, upstream/downstream elements etc. from the existing sub-station owner. CTUIL then prepares the project specific Technical Requirements for substations, transmission lines and communication system etc. to be incorporated in the RfP document of the scheme. After CEA vets the inputs furnished by CTUIL, BPC issues the RfP. In case intra-state sub-stations are involved, requisite information is obtained by BPC. Sometimes delay in issuance of RfP is due to delay in information provided by the existing substation owner.
- 3.4 Chairperson, CEA, directed Member Secretary, NCT, to take up the standardization of the procedure, formats and timelines for preparation of project specific technical inputs for RfP in consultation with BPCs and CTUIL in order to minimize the duration between approval of schemes by NCT and issuance of RfP by BPC.
- 3.5 CTUIL stated that the issue pertaining to the implementation timelines of the TBCB projects also needs deliberation as time and again requests are received from Industry Associations for increasing the implementation timeframe. While the preliminary information regarding any wild life/protected area along the planned transmission line route is provided by CTUIL in the agenda of NCT, however, possibility of some uncertainties like avoiding prioritized zone of the GIB potential area for Rajasthan Phase-III schemes, land acquisition and RoW issues, difficult terrain etc. in case of RE linked schemes results in change in scope and increase in estimated timelines and cost of the transmission scheme. Keeping in view short gestation period of RE generation projects,

implementation timeframe for RE linked transmission schemes had been agreed to be kept as 18 months. However, considering the recent cases of time overrun, a holistic view with respect to the implementation timeframe needs to be taken.

- 3.6 Member Secretary, NCT, suggested the deployment of features offered in PM-GatiShakti portal for tentative routing of planned transmission lines through forest, GIB areas, railway crossings etc. to work out the tentative route and length of the transmission line. This will in turn help to work out the project completion schedule and estimated cost. He further stated that as per MoP OM dated 01st July, 2022, assuming the role of CTUIL as BPC, under Pre-bidding activities of TBCB projects, CTUIL required to comply with the following:
 - CTU shall diligently carry out the route survey of approved ISTS schemes, so that the routes are realistic and can be used by successful bidders without much deviation.
 - The cost assessment for the approved ISTS shall be done accurately, so that the estimated cost closely represents the cost of developing the ISTS. For this, the cost data to be continuously compiled for various completed or awarded projects.
 - CTU will initiate land acquisition for the proposed substation and initiate process for other clearances including Railway/highway crossings etc.
- 3.7 NCT agreed that a realistic, scheme-wise implementation timeframe is required for the planned ISTS schemes. A realistic implementation timeframe would provide the clarity to the RE generators so that they can incorporate flexibility in the implementation timeframe of their generation projects to match the SCoD of the evacuation schemes.
- 3.8 Chairperson asked CEA and CTUIL to formulate norms for assessing realistic timeline for completion of transmission projects considering the terrain and other factors.
- 3.9 Regarding the issue of how to proceed with the bid submission of the Rajasthan Phase-III projects falling in GIB areas with uncertainty in implementation timeframe, MNRE stated that they have granted 30-day extension on SCoD to RE generation projects, after the date of judgement by the Supreme Court. Possibility of similar provision for associated ISTS schemes can be explored. Chairperson, CEA, stated that the matter is under deliberation in MoP and would soon be resolved.
- 3.10 CTUIL also informed that the RE generation developers while seeking connectivity, ask for a tentative location of the pooling station. Finalizing the location of the pooling station based on the location of the first few connectivity applicants would result in sub-optimal location of pooling station. Accordingly, CTUIL requested MNRE to take up the matter with SECI so that SECI, while identifying RE potential areas, may also indicate the tentative location of the

pooling station and the same could be made available to generation project developers seeking connectivity to the grid.

3.11 MNRE stated that SECI would be able to provide broad coordinates for the RE potential areas, however, providing coordinates of the pooling station would not be possible.

3.12 Chairperson, CEA, advised CTUIL to separately take up the issue of identification of the location of pooling stations in coordination with SECI and MNRE.

4 New Transmission Schemes submitted by CTUIL for consideration of 9th NCT:

4.1 Augmentation of ISTS for interconnection of HVPNL transmission schemes:

4.1.1 The scheme comprises inter-state transmission system involving inter-connections with intra-state transmission scheme of HVPNL. The scheme involves 400/220 kV ICT Augmentation at 400/220 kV Bahadurgarh (PG) S/s and 400/220 kV Jind S/s to ensure 'N-1' compliance with proposed downstream network at 220 kV level.

4.1.2 Further, the scheme also comprises of provision of 220 kV line bays at the following S/s:

- (i) 4 nos. of 220kV line bays at Bahadurgarh (PG) for interconnection to 220 kV Kharkhoda pocket B (HVPN) and 220 kV METL (HVPN) S/s.
- (ii) 2 nos. of 220 kV line bays at Sonapat (PG) for interconnection to 220kV Kharkhoda pocket A (HVPN) S/s.

4.1.3 The estimated cost of scheme is about Rs. 117 Crs. As the estimated cost of the scheme lies between Rs 100 to 500 Crore and works are of the nature of technical upgradation (clause 7.1(7) of Tariff Policy, 2016), NCT approved the scheme for implementation through RTM mode.

Sl. No.	Name of the scheme/est. cost	Decision of NCT	Purpose /Justification
1.	Augmentation of ISTS for interconnection of HVPNL transmission schemes Est. Cost: Rs. 117.05 Crs. Implementation timeframe: Given in detailed scope.	• Approved for implementation through RTM mode - to be given to POWERGRID (as these substations are owned by POWERGRID)	To provide 'N-1' compliant system as well as 220kV line bays for interconnection with HVPNL transmission schemes at various ISTS substations.

4.1.4 Detailed scope of the scheme alongwith implementation timeline is given below:

Augmentation of ISTS for interconnection of HVPNL transmission schemes

- i. Augmentation by 1x500 MVA, 400/220 kV ICT (3rd) at 400/220 kV Bahadurgarh (PG) S/s -**July, 24**
 - 400/220 kV, 500 MVA ICT – 1 no.
 - 400 kV ICT bay – 1 no.
 - 220 kV ICT bay – 1 no.
- ii. 2 nos of 220 kV line bays at 400/220 kV Bahadurgarh (PG) S/s (for 220 kV Kharkhoda pocket B- Bahadurgarh (PG) D/c line) – **July, 24**
 - 220 kV line bays – 2 nos.
- iii. 2 nos of 220 kV line bays at 400/220 kV Bahadurgarh (PG) S/s (for 220 kV METL – Bahadurgarh (PG) D/c line) – **March, 24**
 - 220 kV line bays – 2 nos.
- iv. Augmentation by 1x500 MVA, 400/220 kV ICT (3rd) at 400/220 kV Jind (PG) S/s – **February, 24**
 - 400/220 kV, 500 MVA ICT – 1 no.
 - 400 kV ICT bay – 1 no.
 - 220 kV ICT bay – 1 no.
- v. 2 nos of 220 kV line bays at 400/220 kV Sonapat (PG) S/s (for 220 kV D/c line from Kharkhoda pocket A) - **July, 24**
 - 220 kV line bays – 2 nos.

4.2 Scheme to relieve high loading of WR-NR Inter Regional Corridor (400 kV Bhinmal-Zerda line):

4.2.1 CTU had proposed following scheme as immediate requirement (Phase-I: short term) to relieve high loading of WR-NR Inter Regional Corridor (400 kV Bhinmal-Zerda line) (tentative cost Rs. 279.5 Cr):

- Bypassing of 400 kV Kankroli - Bhinmal-Zerda line at Bhinmal to form 400 kV Kankroli – Zerda (direct) line *(with necessary arrangement for bypassing Kankroli- Zerda line at Bhinmal with suitable switching equipment inside the Bhinmal substation)*
- Reconductoring of 400 kV Jodhpur (Surpura)(RVPN) – Kankroli S/c line with twin HTLS conductor *[with minimum capacity of 1940 MVA/ckt at nominal voltage (line length is about 188 km); Upgradation of existing 400kV bay equipment's each at Jodhpur (Surpura)(RVPN) and Kankroli S/s (3150 A)]*

CTUIL stated that initially the reconductoring was proposed with capacity of 2100MVA/ckt, however, POWERGRID informed them that the recent experience of re-conductoring of various old lines based on HTLS conductor design principles for 400KV Lines designed with ACSR Moose conductor for 85 Deg C, ampacity of around 1400A may be possible with GAP & Composite Core type HTLS Conductor. For higher ampacity corresponding to 2100MVA

capacity, GAP type HTLS Conductor may not be suitable and Composite Core type HTLS conductor may be the only option. It was also mentioned that the Composite Core type HTLS conductors is very costly (around 3 times to that of equivalent ACSR), whereas, GAP is economical (around 1.5 times to that of equivalent ACSR). With ampacity requirement of 1400A, possibility of GAP & Composite core type HTLS conductor may facilitate larger vendor base leading to better competition & fair price discovery. In case of higher ampacity, limited vendors of Composite core conductor may lead to reduced competition. With 1400 Ampacity, 400kV line can be designed for about 1940 MVA.

CTU also mentioned that in the studies, line loading at 400 kV Jodhpur (Surpura) (RVPN) – Kankroli S/c (twin moose) line was about 1250 MW in Feb solar max scenario under worst case contingency. As the envisaged power flow is less than 1940MVA, the reconductoring is proposed with HTLS Conductor (Gap/Composite core) with 1400 Amps(~1940MVA).

- 4.2.2 Further, CTUIL proposed that on 400 kV Jodhpur (Surpura) – Kankroli line, existing earth wire to be replaced with OPGW and associated FOTE need to be replaced alongwith the reconductoring work of 400kV Jodhpur (Surpura) - Kankroli line (tentative cost Rs. 9.4 Cr).
- 4.2.3 Further, it was opined that the scheme is an integral part of transmission scheme for evacuation of power for various upcoming RE developers in Western Rajasthan and required urgently. In view of that Bypassing of 400 kV Kankroli - Bhinmal-Zerda lines at Bhinmal may be implemented in shorter time i.e. 12 months and implementation time of reconductoring of 400kV Jodhpur (Surpura) – Kankroli line may be kept as 18 months, however, best effort can be made for reconductoring by 15 months due to urgent requirement. Members agreed on the same.
- 4.2.4 As the estimated cost of the scheme lies between Rs 100 to 500 Crore and works are of the nature of technical upgradation, NCT approved the scheme for implementation through RTM mode.

S.No.	Name of the scheme/est. cost	Decision of NCT	Purpose /Justification
1.	Scheme to relieve high loading of WR-NR Inter Regional Corridor (400 kV Bhinmal-Zerda line) Est. Cost: Rs. 288.9 Crs (includes Rs 9.4 Crs for OPGW and associated FOTE)	• Approved for implementation through RTM mode- to be given to POWERGRID (as the transmission lines/bays are	To relieve overloading of Bhinmal-Zerda line under various operating conditions.

	Implementation timeframe: 12 months for bypassing at Bhinmal and 18 months for reconductoring works* from date of allocation. <i>*Best effort to be made for reconductoring in 15 months.</i>	owned by POWERGRID)	
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4.2.5 Detailed scope of the scheme:

Scheme to relieve high loading of WR-NR Inter Regional Corridor (400 kV Bhinmal-Zerda line)

- Bypassing of 400 kV Kankroli - Bhinmal-Zerda line at Bhinmal to form 400 kV Kankroli – Zerda (direct) line[#] - 12 months from date of allocation
- Reconductoring of 400 kV Jodhpur (Surpura)(RVPN) – Kankroli S/c (twin moose) line with twin HTLS conductor*- 18 months** from date of allocation
- OPGW installation on 400 kV Jodhpur (Surpura)(RVPN) – Kankroli S/c (twin moose) line -188 km

with necessary arrangement for bypassing Kankroli- Zerda line at Bhinmal with suitable switching equipment inside the Bhinmal substation

**with minimum capacity of 1940MVA/ckt at nominal voltage; Upgradation of existing 400kV bay equipment's each at Jodhpur (Surpura)(RVPN) and Kankroli S/s(3150 A)*

***Best effort to be made for reconductoring in 15 months from date of allocation*

4.3 **Eastern Region Expansion Scheme-XXIX (ERES-XXIX)**

- 4.3.1 CTUIL stated that as per inputs from Odisha, large number of industries are expected in and around Joda area with cumulative demand of about 480 MW which cannot be catered with the existing 220 kV network in the area. Accordingly, OPTCL will be implementing 400/220 kV Joda new substation under intra-state scheme through LILO of existing Rourkela (POWERGRID) – Talcher (NTPC) 400kV D/c ISTS line at Joda New S/s. With the integration of Joda New 400/220 kV substation with ISTS, most of the power flows to Joda New through Jharsuguda – Rourkela – Joda New 400 kV corridor. Further, Rourkela substation also acts as a source of power to Jharkhand through Rourkela – Chaibasa and Rourkela – Ranchi 400kV D/c lines. Accordingly, it has been agreed in the 7th CMETS-ER meeting held on 31.05.2022 to reductor Jharsuguda – Rourkela 400 kV 2xD/c lines with HTLS conductor in similar timeframe of establishment of Joda New 400/220kV substation i.e. in 36 months.

Further, Circuit I & III of Rourkela-Jharsuguda 400kV D/c line are designed for 75°C max. conductor temperature and Circuit II & IV are designed for 85°C max. conductor temperature with ampacity of 1228 Amperes & 1400 Amperes

(per conductor) respectively. However, to have equitable rating for all circuits, it was proposed in the meeting that all four circuits of Rourkela-Jharsuguda may be reconductored with HTLS conductor of 1228 A rating

- 4.3.2 Dr. R. Saha, Expert Member, stated that different ampacity values at the same voltage level have been mentioned in the agenda items pertaining to reconductoring, which needs to be standardized. He also suggested that the details about the ambient temperature in case of reconductoring works needs to be clearly mentioned in the agenda item.
- 4.3.3 CTUIL clarified that in this particular instance, ampacity of 1228A with ambient temperature of 75°C have been considered as these lines have to be reconductored on the existing towers. In the new towers, ampacity of 1400A with ambient temperature of 85°C can be achieved. However, to avoid differential loading of the circuits, 1228A ampacity with ambient temperature of 75°C had been considered.
- 4.3.4 As the estimated cost of the scheme lies between Rs 100 to 500 Crore, and works are of the nature of technical upgradation (clause 7.1(7) of Tariff Policy, 2016), accordingly NCT approved the scheme for implementation through RTM mode.

S.No.	Name of the scheme/est. cost	Decision of NCT	Purpose /Justification
1.	<p>Eastern Region Expansion Scheme-XXIX (ERES-XXIX)</p> <p>Est. Cost: Rs. 422.23 Crs</p> <p>Implementation timeframe: 36 months from date of allocation.</p>	<p>• Approved for implementation through RTM mode- to be given to POWERGRID (as these substations and transmission lines are owned by POWERGRID)</p>	<p>To provide power supply to Joda and improve power supply in adjoining areas of Odisha and Jharkhand.</p>

- 4.3.5 Detailed scope of the scheme is as given below:

- Reconductoring of Jharsuguda/Sundargarh (PG) – Rourkela (PG) 400kV 2xD/c Twin Moose line with Twin HTLS conductor (with ampacity of equivalent to single HTLS as 1228 A at nominal voltage).
- Bay upgradation at Rourkela (PG) end for 3150 A rating – 04 nos. diameters in one and half breaker scheme (except 09 nos. existing circuit breakers which are of minimum 3150 A rating).

Note: No upgradation in line bays is envisaged at Jharsuguda/Sundargarh (POWERGRID) S/s as the existing line bays are rated for 3150 A.

4.4 **Augmentation of transformation capacity at Kallam PS by 2x500 MVA, 400/220kV ICTs (3rd & 4th) along with 220 kV bays for RE interconnection**

4.4.1 CTUIL stated that Kallam PS with transformation capacity of 2x500MVA is under implementation by consortium of IndiGrid 1 Ltd. (Lead Member) and IndiGrid 2 Ltd., with target commissioning of June, 2023. Stage-II connectivity at Kallam PS has already crossed 1 GW (~1782.6 MW). Further, 3 nos. 220kV line bays are proposed for following RE projects which have been granted/proposed to be granted Stage-II connectivity at Kallam PS:

- M/s Veh Aarush (201MW: Granted)
- M/s JSW Neo (300MW: Under Process)
- M/s Serentica Renewables (210MW: Under Process)

4.4.2 In the 9th CMETS-WR meeting, it was agreed that augmentation of transformation capacity at Kallam PS may be taken up considering the 1 GW additional potential at Kallam (under 181.5 GW RE Zones) as well as rapid pace of Stage-II connectivity applications being received by CTUIL at Kallam PS. Accordingly, CTUIL had proposed 'Augmentation of transformation capacity at Kallam PS by 2x500MVA, 400/220kV ICTs (3rd & 4th) along with 220 kV bays for RE interconnection with estimated cost of Rs. 156.89 Crs.

4.4.3 CMD, POSOCO, stated that even after augmentation of ICTs at Kallam by 2x500 MVA, 400/22kV ICTs, Kallam substation will not fulfill 'N-1' criteria.

4.4.4 CTUIL stated that there is provision of space for only 02 nos. additional ICTs. As such, additional augmentation is not proposed. He further stated that at present Stage-II connectivity applications totaling around 1782.6 MW have been received.

4.4.5 It was deliberated that as there is only wind generation, taking a peak factor of 0.75, generation of around 1340MW needs to be evacuated and hence the system would remain 'N-1' compliant with 4x500 MVA ICTs. Nevertheless, CTU may also take up with the TSP of Kallam PS for exploring space for 5th 400/220 kV ICT at Kallam PS.

4.4.6 As the estimated cost of the scheme lies between Rs 100 to 500 Crore, and works are of the nature of technical upgradation (clause 7.1(7) of Tariff Policy, 2016), NCT approved the scheme for implementation through RTM mode.

S.No.	Name of the scheme/est. cost	Decision of NCT	Purpose /Justification
1.	Augmentation of transformation capacity at Kallam PS by 2x500MVA, 400/220 kV ICTs (3 rd & 4 th)	• Approved for implementation through RTM mode- to be	Stage-II connectivity at Kallam PS has already crossed 1 GW (~1782.6 MW). Hence, scheme for

	along with 220 kV bays for RE interconnection Est. Cost: Rs. 156.89 Crs Implementation timeframe: 18 months from date of allocation.	given to consortium of IndiGrid 1 Ltd. (Lead Member) and IndiGrid 2 Ltd. (as the substation is owned by the above consortium)	augmentation of Kallam PS was agreed to be taken up considering the 1 GW additional potential under 181.5 GW as well as rapid pace of Stage-II connectivity applications being received by CTU.
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4.4.7 Detailed scope of the scheme is given below:

Sl. No.	Scope of the Transmission Scheme	Capacity /km
1.	Augmentation of Kallam Pooling Station by 2x500 MVA, 400/220 kV ICTs	500 MVA, 400/220kV ICT: 2 nos. 400 kV ICT bays: 2 nos. 220 kV ICT bays: 2 nos.
2.	3 nos. 220 kV line bays for RE interconnection	220 kV line bays: 3 nos.
3.	1x125 MVar bus reactor (2 nd) at Kallam PS	125 MVar, 420 kV Bus reactor – 1 no. Bus reactor bay: 1 no.

4.5 **Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex)**

- 4.5.1 CTU stated that out of additional RE capacity of 181.5 GW planned by the year 2030, 75 GW REZs lie in the state of Rajasthan comprising of 15 GW Wind and 60 GW Solar potential. Accordingly, a comprehensive transmission scheme was evolved for evacuation of 75 GW RE from Rajasthan, which includes transmission scheme for about 8GW (Solar) in Bikaner complex (14GW along with 6GW BESS), Bikaner-II: 4 GW (7GW Solar+ 3 GW BESS) and Bikaner-III:4 GW (7GW Solar+ 3 GW BESS). Bikaner complex being out of GIB area, more RE developers are interested in this complex.

CTU also stated that at Bikaner-II PS, St-II Connectivity for 5.575 GW RE has already been granted against the potential of 1.9 GW (revised from 2.9 GW) identified under Ph-II), therefore, evacuation for additional 3.7 GW capacity is required from Bikaner-II PS. For additional solar potential of 7GW with 3GW BESS at Bikaner-III, evacuation system (4 GW) shall also be required. Therefore, total evacuation system requirement for 7.7GW (3.7 GW+4 GW) shall be required from Bikaner Complex (Bikaner-II & III).

- 4.5.2 Considering grant of connectivity to new RE generators in Bikaner complex (incl. Bikaner-III) as well as for evacuation of power beyond Bikaner complex (Bikaner/Bikaner-II/Bikaner-III PS), following transmission scheme had been

agreed for evacuation of power from Rajasthan REZ Ph-IV (Part-1) [Bikaner complex: 7.7 GW] in the 8th CMETS-NR meeting.

Items	Details
Name of Scheme	Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex: 7.7GW) (Bikaner-II: 3.7GW (Solar) + Bikaner-III: 4 GW (7GW Solar+3GW BESS))
Scope of the scheme	<ul style="list-style-type: none"> Establishment of 6x1500 MVA, 765/400kV & 5x500 MVA[^] 400/220kV Bikaner-III Pooling Station along with 2x330 MVA^r (765kV) Bus Reactor & 2x125 MVA^r (420kV) Bus Reactor at a suitable location near Bikaner <ul style="list-style-type: none"> ➤ 765/400kV 1500 MVA ICTs: 6 nos (19x500 MVA including one spare unit) ➤ 765kV ICT bays - 6 nos. ➤ 400/220 kV, 500 MVA ICTs - 5nos ➤ 400 kV ICT bays – 11 nos. ➤ 400 kV line bays - 6 nos. (4 nos. for LILO of Bikaner-Bikaner-II D/c line & 2 nos. for Bikaner-II D/c line) ➤ 220 kV ICT bays - 5 nos. ➤ 330 MVA^r Bus Reactor-2 nos. (7x110 MVA^r, including one spare unit) ➤ 765kV reactor bays- 2 nos. ➤ 125 MVA^r, 420kV bus reactor - 2 nos. ➤ 420 kV reactor bays - 2 nos. ➤ 220 kV line bays – 6 nos* (for RE connectivity) ➤ 220kV Sectionalization bay: 1 set ➤ BC and TBC: 2 nos. (each) <p><u>Future provisions at Bikaner-III PS*:</u></p> <p>Space for</p> <ul style="list-style-type: none"> 765/400kV ICT along with bay- 1 no. 765 kV line bays along with switchable line reactors – 4 nos. 765kV Bus Reactor along with bay: 1 no. 400 kV line bays along with switchable line reactor –4 nos. 400 kV line bays–4 nos. 400/220kV ICT along with bays -5 nos. 400 kV Bus Reactor along with bay: 1 no. 400kV Sectionalisation bay: 2 sets 220 kV line bays for connectivity of RE Applications - 6 nos. 220kV Sectionalization bay: 2 sets STATCOM (2x±300MVA^r) along with MSC (4x125 MVA^r) & MSR (2x125 MVA^r) LILO of both ckts of 400kV Bikaner (PG)- Bikaner-II D/c line at Bikaner-III PS (~20 km) Bikaner-II PS – Bikaner-III PS 400 kV D/c line (Quad) (~30 km) <ul style="list-style-type: none"> ➤ 400 kV line bays at Bikaner-II – 2 nos.

Items	Details
	<ul style="list-style-type: none"> • Establishment of 765/400 kV, 4x1500 MVA Neemrana-II S/s along with 2x330 MVA (765kV) Bus Reactor & 2x125 MVA (420kV) Bus Reactor at a suitable location near Neemrana <ul style="list-style-type: none"> ➤ 765/400kV 1500 MVA ICTs: 4 nos (13x500 MVA including one spare unit) ➤ 765kV ICT bays - 4 nos. ➤ 400 kV ICT bays – 4 nos. ➤ 400 kV line bays - 6 nos (4 nos. for LILO of Gurgaon -Sohna Road D/c line & 2 nos. for Kotputli D/c line) ➤ 330 MVA Bus Reactor-2 nos. (7x110 MVA, including one spare unit) ➤ 765kV reactor bays- 2 nos. ➤ 125 MVA, 420kV bus reactor - 2 nos. ➤ 420 kV reactor bays - 2 nos. <u>Future provisions at Neemrana-II S/s:</u> Space for <ul style="list-style-type: none"> ▪ 765/400kV ICT along with bays- 2 nos. ▪ 765 kV line bays along with switchable line reactors – 6 nos. ▪ 765kV Bus Reactor along with bay: 1 no. ▪ 400 kV line bays along with switchable line reactor –6 nos. ▪ 400 kV Bus Reactor along with bays: 1 no. ▪ 400kV Sectionalization bay: 2 sets • LILO of both ckts of 400 kV Sohna Road (GPTL)-Gurgaon(PG) D/c line at Neemrana-II S/s (~85 km) • Neemrana-II -Kotputli 400 kV D/c line (Quad) (~70 km) <ul style="list-style-type: none"> ➤ 400 kV line bays at Kotputli- 2 nos. • Bikaner-III – Neemrana-II 765 kV 2xD/c line (~350 km) along with 330 MVA switchable line reactor for each circuit at each end <ul style="list-style-type: none"> ➤ 765kV line bays at Bikaner-III PS – 4 nos ➤ 765kV line bays at Neemrana-II – 4 nos. ➤ 765 kV, 330 MVA Switchable line reactors at Bikaner-III PS – 4 nos. ➤ 765 kV, 330 MVA Switchable line reactors at Neermana-II – 4 nos. ➤ Switching equipment for 765kV 330 MVA switchable line reactors at Bikaner-III PS – 4 nos. ➤ Switching equipment for 765kV 330 MVA switchable line reactors at Neemrana-II – 4 nos. • Neemrana-II- Bareilly(PG) 765 kV D/c line (~350 km) along with 330 MVA switchable line reactor for each circuit at each end <ul style="list-style-type: none"> ➤ 765 kV line bays at Neemrana-II – 2 nos. ➤ 765 kV line bays at Bareilly(PG) – 2 nos.

Items	Details
	<ul style="list-style-type: none"> ➤ 765 kV, 330 MVA_r Switchable line reactors at Neemrana-II – 2 nos. ➤ 765 kV, 330 MVA_r Switchable line reactors at Bareilly(PG) – 2 nos. ➤ Switching equipment for 765kV 330 MVAR switchable line reactors at Neemrana-II – 2 nos. ➤ Switching equipment for 765kV 330 MVAR switchable line reactors at Bareilly(PG) – 2 nos. • Augmentation with 400/220 kV, 5x500 MVA[^] ICT at Bikaner-II PS along with associated bays <ul style="list-style-type: none"> ➤ 400/220 kV, 500 MVA ICTs – 5 nos ➤ 400 kV ICT bays – 5 nos. ➤ 220 kV ICT bays - 5 nos. • Augmentation with 765/400 kV, 1x1500MVA ICT (4th) at Bikaner (PG) <ul style="list-style-type: none"> ➤ 765/400 kV, 1500 MVA ICT – 1 no. ➤ 765 kV ICT bay – 1 no. ➤ 400 kV ICT bay – 1 no. • Augmentation by 400/220 kV, 1x500 MVA (3rd) ICT at Kotputli (PG) <ul style="list-style-type: none"> ➤ 400/220 kV, 500 MVA ICT – 1 no ➤ 400 kV ICT bay – 1 no ➤ 220 kV ICT bay - 1 no <p>[^]incl 1x500MVA ICT to fulfill 'N-1' requirement</p> <p><i>* Recently, 220kV bays (3 nos. under ISTS scope+1 no. under developer scope) at Bikaner-III PS under ISTS were agreed in CMETS-NR meetings commensurate to Stage-II connectivity applications granted at Bikaner-III PS. Considering additional envisaged applications as well as agreed bays (3 nos) under ISTS, 220 kV line bays at Bikaner-III PS for RE Connectivity (6 nos.) is considered in the scheme. The corresponding no. of 220 kV bays may be considered reduced from future scope of Bikaner-III PS.</i></p>

4.5.3 CEA stated that as per the Manual on Transmission Planning Criteria, maximum transformation capacity at a substation at 765 kV level can be 9000MVA and 6x1500 MVA ICTs have been proposed, therefore, there is no need to keep space for one number of additional 765/400 kV ICT.

4.5.4 Since the estimated cost of the scheme is very high (Rs. 13,460 Cr.), to make the scheme competitive for bidders and considering ICT augmentation at later stage, various packages were proposed. During deliberations, NCT opined that the complete scope of the substation including the augmentation may be clubbed as a single package. Accordingly, some packages proposed in the agenda of NCT were combined. Package wise details are given below:

PART-A: (Rs. 4,741 Cr.)

Sl. No.	Scope of Transmission Scheme	Capacity /km
1	<p>Establishment of 6x1500 MVA (along with one spare unit of 500 MVA), 765/400 kV & 5x500 MVA 400/220 kV Bikaner-III Pooling Station along with 2x330 MVar (765 kV) Bus Reactor (along with one spare unit of 110 MVar) & 2x125 MVar (420 kV) Bus Reactor at a suitable location near Bikaner</p> <p>Future provisions: Space for</p> <ul style="list-style-type: none"> • 765 kV line bays along with switchable line reactors – 6 nos. • 765kV Bus Reactor along with bay: 1 no. • 400 kV line bays along with switchable line reactor –4 nos. • 400 kV line bays–4 nos. • 400/220kV ICT along with bays -5 nos. • 400 kV Bus Reactor along with bay: 1 no. • 400kV Sectionalization bay: 2 sets • 220 kV line bays for connectivity of RE Applications -8 nos. • 220kV Sectionalization bay: 2 sets • STATCOM (2x±300MVar) along with MSC (4x125 MVar) & MSR (2x125 MVar) 	<ul style="list-style-type: none"> • 765/400 kV 1500 MVA ICTs: 6 nos (19x500 MVA including one spare unit) • 765 kV ICT bays – 6 nos. • 765 kV line bays- 2 nos. • 330 MVar Bus Reactor-2 nos. (7x110 MVar, including one spare unit) • 765kV reactor bays- 2 nos. • 400/220 kV, 500 MVA ICTs – 5 nos • 400 kV ICT bays – 11 nos. • 420 kV reactor bays - 2 nos. • 125 MVar, 420 kV bus reactor - 2 nos. • 400 kV line bays - 6 nos. (4 nos. for LILO of Bikaner-Bikaner-II D/c line & 2 nos. for Bikaner-II D/c line) • 220 kV ICT bays - 5 nos. • 220 kV line bays – 6 nos (for RE connectivity) • 220 kV BC (2 no.) and 220 kV TBC (2 no.) • 220 kV Sectionalisation bay: 1 set
2	LILO of both ckts of 400 kV Bikaner (PG)-Bikaner-II D/c line (Quad) at Bikaner-III PS	Length: 20 km
3	Bikaner-II PS – Bikaner-III PS 400 kV D/c line (Quad)	Length: 30 km
4	2 no. of 400 kV line bays at Bikaner-II	400 kV line bays - 2 nos.

Sl. No.	Scope of Transmission Scheme	Capacity /km
5	Bikaner-III - Neemrana-II 765 kV D/c line along with 330 MVAR switchable line reactor for each circuit at each end	Length: 350 km <ul style="list-style-type: none"> • 765 kV, 330 MVAR switchable line reactors at Bikaner-III PS – 2 nos. • 765 kV, 330 MVAR Switchable line reactors at Neemrana-II S/s – 2 nos. • Switching equipment for 765kV 330 MVAR switchable line reactors at Bikaner-III PS – 2 nos. • Switching equipment for 765kV 330 MVAR switchable line reactors at Neemrana-II S/s – 2 nos.
6	2 no. of 765 kV line bays at Neemrana-II S/s	<ul style="list-style-type: none"> • 765kV line bays at Neemrana-II S/s- 2 nos.

Note:

- 1) The line lengths mentioned above are approximate as the exact length shall be obtained after the detailed survey
- 2) POWERGRID to provide space for 2 nos. of 400 kV line bays at Bikaner-II PS
- 3) Developer of Neemrana-II S/s to provide space for 2 nos. of 765 kV line bays at Neemrana-II S/s for termination of Bikaner-III - Neemrana-II 765 kV D/c line
- 4) Provision of suitable sectionalization shall be kept at Bikaner-III PS at 400kV & 220kV level to limit short circuit level

PART-B: (Rs. 1,876 Cr.)

Sl. No.	Scope of Transmission Scheme	Capacity /km
1	Establishment of 765/400 kV, 4x1500 MVA (along with one spare unit of 500 MVA) Neemrana-II S/s along with 2x330 MVAR (765 kV) Bus Reactor (along with one spare unit of 110 MVAR) & 2x125 MVAR (420kV) Bus Reactor at a suitable location near Neemrana Future provisions: Space for <ul style="list-style-type: none"> • 765/400kV ICT along with bays- 2 • 765 kV line bays along with switchable line reactors – 12 • 765 kV Bus Reactor along with bay: 1 nos. 	<ul style="list-style-type: none"> • 765/400 kV 1500 MVA ICTs – 4 nos (13x500 MVA including one spare unit) • 330 MVAR Bus Reactor-2 nos (7x110 MVAR, including one spare unit) • 765 kV reactor bays- 2 nos. • 125 MVAR, 420kV bus reactor - 2 nos. • 420 kV reactor bays - 2 nos. • 765 kV ICT bays – 4 nos. • 400 kV ICT bays – 4 nos. • 400 kV line bays - 6 nos (4 nos. for LILO of Gurgaon -Sohna Road D/c line & 2 nos. for Kotputli D/c line)

	<ul style="list-style-type: none"> • 400 kV line bays along with switchable line reactor –6 • 400 kV Bus Reactor along with bays: 1 no. • 400kV Sectionalization bay: 2 sets 	
2	Neemrana-II -Kotputli 400 kV D/c line (Quad)	Length: 70 km
3	2 no. of 400 kV line bays at Kotputli	400 kV line bays at Kotputli - 2 nos.
4	LILLO of both ckts of 400 kV Gurgaon (PG) - Sohna Road (GPTL) D/c line (Quad) at Neemrana-II S/s	Length: 85 km

Note:

- 1) The line lengths mentioned above are approximate as the exact length shall be obtained after the detailed survey
- 2) Provision of suitable sectionalization shall be kept at Neemrana-II S/s at 400kV level to limit short circuit level
- 3) POWERGRID to provide space for 2 nos. of 400 kV line bays at Kotputli S/s
- 4) The implementation of package shall be taken up matching with Package A

PART-C: (Rs. 3,204 Cr.)

Sl. No.	Scope of Transmission Scheme	Capacity /km
1	Bikaner-III - Neemrana-II 765 kV D/c line (2 nd) along with 330 MVAR switchable line reactor for each circuit at each end	Length: 350 km <ul style="list-style-type: none"> • 765 kV, 330 MVAR Switchable line reactors at Bikaner-III PS – 2 nos. • 765 kV, 330 MVAR Switchable line reactors at Neemrana-II – 2 nos. • Switching equipment for 765kV 330 MVAR switchable line reactors at Bikaner-III PS – 2 nos. • Switching equipment for 765kV 330 MVAR switchable line reactors at Neemrana-II S/s – 2 nos.
2	2 no. of 765 kV line bays each at Bikaner-III PS & Neemrana-II S/s	765kV line bays - 4 nos (2 nos. each at Bikaner-III PS & Neemrana-II S/s)

Note:

1. The line lengths mentioned above are approximate as the exact length shall be obtained after the detailed survey
2. Developer of Bikaner-III PS & Neemrana-II S/s to provide space for 2 nos. of 765 kV line bays alongwith space for Switchable line reactor each at Bikaner-III PS & Neemrana-II S/s for termination of Bikaner-III - Neemrana-II 765 kV D/c line (2nd)

PART-D: (Rs. 3,271 Cr.)

Sl. No.	Scope of Transmission Scheme	Capacity /km
1	Neemrana-II- Bareilly (PG) 765 kV D/c line along with 330 MVAR switchable line reactor for each circuit at each end	Length: 350 km <ul style="list-style-type: none"> • 765 kV, 330 MVAR switchable line reactors at Neermmana-II S/s– 2 nos. • 765 kV, 330 MVAR Switchable line reactors at Bareilly (PG) – 2 nos. • Switching equipment for 765 kV 330 MVAR switchable line reactors at Neermmana-II S/s – 2 nos. • Switching equipment for 765 kV 330 MVAR switchable line reactors at Bareilly (PG) S/s – 2 nos.
2	2 no. of 765 kV line bays each at Neemrana-II & Bareilly (PG) S/s	765 kV line bays - 4 nos (2 nos. each at Neemrana-II & Bareilly (PG) S/s)

Note:

- 1) The implementation of package shall be taken up matching with Package C.
- 2) The line lengths mentioned above are approximate as the exact length shall be obtained after the detailed survey.
- 3) Developer of Neemrana-II S/s to provide space for 2 nos. of 765 kV line bays alongwith space for Switchable line reactor at Neemrana-II S/s for termination of Neemrana-II- Bareilly (PG) 765 kV D/c line
- 4) POWERGRID to provide space for 2 nos. of 765 kV line bays alongwith space for Switchable line reactor at Bareilly (PG) S/s

PART-E: (Rs. 368 Cr.)

S.No.	Scope of Transmission Scheme	Capacity /km
1	Augmentation by 765/400 kV, 1x1500 MVA ICT (4 th) at Bikaner (PG)	<ul style="list-style-type: none"> • 765/400 kV, 1500 MVA ICT – 1 no. • 765 kV ICT bay – 1 nos. • 400 kV ICT bay - 1 nos.
2	Augmentation by 400/220 kV, 1x500 MVA ICT (3 rd) at Kotputli (PG)	<ul style="list-style-type: none"> • 400/220 kV, 500 MVA ICT – 1 nos. • 400 kV ICT bay – 1 nos. • 220 kV ICT bay - 1 nos.
3	Augmentation by 400/220 kV, 5x500 MVA ICT at Bikaner-II PS	<ul style="list-style-type: none"> • 400/220 kV, 500 MVA ICT – 5 nos. • 400 kV ICT bays – 5 nos. • 220 kV ICT bays - 5 nos.

Note:

1. Though, the augmentation by 765/400 kV, 1x1500 MVA ICT (4th) at Bikaner (PG) shall be required for evacuation requirement beyond 5.5 GW (out of 7.7 GW capacity) at Bikaner-II/Bikaner-III, it was decided to take up the same earlier as it would facilitate evacuation of some power in absence of other transmission elements mentioned in Part-A to D, which may take longer time for implementation. The Implementation timeframe for Augmentation of 765/400kV, 1x1500MVA Transformer (4th) at Bikaner (PG) shall be kept 18 months from date of allocation.

2. Implementation of Augmentation by 400/220kV, 1x500MVA Transformer (3rd) at Kotputli (PG) shall be taken up matching with Package B.
3. CTU informed that recently about 4400 MW St-II Connectivity was granted at Bikaner-II PS. Earlier 2x500 MVA ICTs was approved by CTU and awarded to POWERGRID. Additionally, 2x500 MVA ICTs shall be taken up for approval by CTU as per the requirement. Subsequently, implementation of additional 400/220 kV, 5x500 MVA ICT at Bikaner-II PS shall be taken up for evacuation requirement beyond 2000 MW at 220 kV level of Bikaner-II PS.

4.5.5 On the implementation time line of the projects, it was pointed out that due to shutdown requirements of existing lines and considering the long lengths of the 765 kV lines, the implementation timeframe to be kept as 24 months from the date of SPV transfer.

4.5.6 After deliberations, NCT approved Part-E for implementation under RTM to POWERGRID and recommended Part-A to Part-D for implementation under TBCB.

S.No.	Package	Implementation time	Mode of implementation
1	Part-A	24 months	TBCB
2	Part-B		TBCB
3	Part-C		TBCB
4	Part-D		TBCB
5	Part-E	<ul style="list-style-type: none"> Augmentation by 765/400 kV, 1x1500MVA ICT (4th) at Bikaner (PG) - 18 months from date of allocation. Augmentation by 400/220 kV, 1x500 MVA ICT (3rd) at Kotputli (PG) - 18 months from date of allocation (matching with Part B). Augmentation with 400/220 kV, 5x500 MVA ICT at Bikaner-II PS –to be taken up for evacuation requirement beyond 2000 MW at 220 kV level of Bikaner-II PS, with implementation timeframe matching with schedule of RE generation or 18 months from date of allocation, whichever is later. 	RTM to POWERGRID

5 Schemes referred from previous NCT:

5.1 Transmission system for evacuation of power from REZ in Rajasthan (20 GW) under Phase-III Part I

- 5.1.1 Member Secretary, NCT, stated that the scheme was discussed in 5th NCT meeting held on 25.08.2021 and 02.09.2021. In the meeting, the scheme was deferred and NCT recommended the scheme to be reviewed in next NCT meeting.
- 5.1.2 CTU stated that the Stage-II Connectivity and LTA for 2600MW has already been granted at Ramgarh PS. Further, Adani Renewable Energy Park Rajasthan Ltd. (AREPRL) are in process of developing 2GW Solar Park proposed to be connected at Ramgarh PS and they have requested to enhance the transmission system capacity of Ramgarh PS by minimum 5 GW. Implementation of HVDC shall help in evacuation of additional power from Ramgarh PS.
- 5.1.3 CTUIL further stated that for Bhadla-II – Sikar-II 765 kV D/c line (Phase-II Part- C) has been ratified by the GIB committee nominated by Hon'ble Supreme Court, based on which CERC has accorded grant of transmission license both for Part-C and its onward interconnector i.e. Sikar-II – Aligarh 765kV D/c line (Phase-II Part-D) which is out of GIB area. Since implementation time frame of HVDC is more than gestation period of RE, it was requested that the implementation of above HVDC scheme may be approved.
- 5.1.4 Representative of CTU stated that the HVDC will be implemented with overhead Dedicated Metallic Return (DMR) technology. He also stated that by default, HVDC terminals can be operated for 50% of its capacity in reverse mode (3000 MW in this case). For 100% reversal of power, i.e., from Fatehpur to Bhadla, there may be some incremental cost. Further Bus sectionalizer may be provided at 400 kV Bus between 2x1500 MW sections each at Bhadla & Fatehpur to ensure reliability of 3000 MW power during contingencies at HVDC terminals. For drawing Auxiliary supply for HVDC station at Bhadla (HVDC), 400/33 kV transformers may be provided whereas at Fatehpur, auxiliary supply may be drawn from 765/400/33 kV transformers. Members agreed for above including provision for full reversal capability.
- 5.1.5 Detailed scope of the scheme is as follows:
- a) Establishment of 6000 MW, \pm 800 kV Bhadla (HVDC) [LCC] terminal station (4x1500 MW) at a suitable location near Bhadla-3 substation
 - 400/33 kV, 2x50 MVA transformers for exclusively supplying auxiliary power to HVDC terminal.
 - 400kV bus sectionaliser -2 nos (1 Set) at Bhadla (HVDC) station.

- b) Establishment of 6000 MW, ± 800 kV Fatehpur (HVDC) [LCC] terminal station (4x1500 MW) at suitable location near Fatehpur (UP)
- c) Bhadla-3 – Bhadla (HVDC) 400 kV 2xD/c quad moose line along with the line bays at both substations
 - Line length- 2 km
 - 400 kV line bays -8 nos
- d) ± 800 kV HVDC line (Hexa lapwing) between Bhadla (HVDC) & Fatehpur (HVDC) (with Dedicated Metallic Return)
 - Line length- 950 km
- e) Establishment of 5x1500 MVA, 765/400 kV ICTs at Fatehpur (HVDC) along with 2x330 MVA (765kV) bus reactor
 - 765/400kV 1500 MVA ICTs: 5 nos (16x500 MVA, including one spare unit)
 - 765 kV ICT bays – 5 nos.
 - 400 kV ICT bays – 5 nos.
 - 400 kV Bus sectionaliser-2 nos [1 Set]
 - 765 kV line bays – 4 nos.
 - 330 MVA, 765kV Bus Reactor -2 nos. (7x110 MVA, including one spare unit)
 - 765 kV reactor bays- 2 nos.

Future provisions: Space for

 - 765/400 kV ICT along with bay: 1 no.
 - 765 kV line bay along with switchable line reactor: 4nos.
 - 765 kV Bus Reactor along with bays: 2 nos.
 - 400/220 kV ICTs along with bays: 4nos.
 - 400 kV line bays along with switchable line reactor: 4 nos.
 - 400 kV Bus Reactor along with bay: 1 no.
 - 220 kV line bays: 6 nos.
- f) LILO of both ckt of 765 kV Varanasi – Kanpur (GIS) D/c line at Fatehpur - (30 km)

5.1.6 Expert Member, Shri R. Saha stated that presently, due to technological enhancement in HVDC, upto 7500 MW can be transmitted through ± 800 kV system. He suggested that this high capacity system may be considered wherever required. In this regard, it was opined that for planning the future transmission corridors, the suggested option would be considered depending upon the quantum of power to be evacuated.

5.1.7 After deliberations, the scheme mentioned at para 5.1.5 was recommended to MoP for implementation under TBCB route with following considerations:

- (a) The implementation time will be 42 months from date of SPV transfer.

(b) The estimated cost of the scheme is Rs. 12,700 Cr (as per 5th NCT estimate).

(c) HVDC terminals will be implemented with 100% power reversal capability.

5.2 **Augmentation of 1x1500MVA ICT at 765/400 kV Kanpur (GIS) substation (Part of Transformer augmentation at various substations for evacuation of power from REZ in Rajasthan (20GW) under Phase-III Part J)**

5.2.1 Member Secretary, NCT, stated that transmission system for evacuation of power from additional 20 GW REZs envisaged in Rajasthan (Phase-III), was discussed and agreed in 5th NCT meeting held on 25.08.2021 and 02.09.2021. As part of above scheme, Transmission system for evacuation of power from REZ in Rajasthan (20 GW) under Phase-III Part I i.e. 6000MW HVDC corridor towards Fatehpur for further dispersal of RE power from Ramgarh PS/Bhadla-3 PS was also discussed. Augmentation of 1x1500MVA ICT at 765/400 kV Kanpur (GIS) substation was also linked with HVDC system (LILo of Varanasi-Kanpur at Fatehpur). The scope of the scheme is as follows:

- Augmentation by 1x1500 MVA ICT at 765/400kV Kanpur (GIS) substation
 - 765/400kV 1500 MVA ICT: 1 no
 - 765kV ICT bay – 1 no.
 - 400 kV ICT bay – 1 no.

5.2.2 The above scheme would be required with the Transmission system for evacuation of power from REZ in Rajasthan (20GW) under Phase-III Part I, recommended at para 5.1 above, with implementation timeframe of 42 months from date of SPV transfer. However, the augmentation of ICT work at Kanpur (GIS) S/s will take about 18 months.

5.2.3 After deliberations, it was agreed that the scheme may be put on hold for time being and would be reviewed by NCT after award of Bhadla III-Fatehpur HVDC system or in case prior requirement arises as part of grid strengthening

5.3 **North Eastern Region Expansion Scheme-XVI (NERES-XVI)**

5.3.1 Member Secretary, NCT, stated that this scheme comprising of establishment of a new 400 kV substation at Gogamukh has been proposed by CTU for feeding power to upper Assam above Brahmaputra River. The proposed substation is also planned to be utilised for providing additional feed and strength to the under construction 132 kV Pasighat to Khupi corridor in Arunachal Pradesh under comprehensive scheme through Gogamukh (ISTS) – Gerukamukh (Arunachal Pradesh) 132kV D/c line.

5.3.2 He informed that the scheme was discussed in 8th Meeting of NCT, wherein the proposal was deferred. Thereafter, the proposal was discussed in NERPC

forum on 11.07.2022 and agreed in special meeting held among CEA, NERPC and CTU.

5.3.3 The scope of the scheme with estimated cost of Rs. 289 Cr is as follows:

- i. Establishment of New Gogamukh 400/220/132kV substation
 - 400/220 kV, 2x500 MVA ICTs alongwith associated ICT bays at both levels
 - 220/132 kV, 2x200 MVA ICTs alongwith associated ICT bays at both levels
 - 400 kV line bays
 - 4 no. for termination of LILO of one D/c line (ckt-1 & ckt-2 of line-1) of Lower Subansiri –Biswanath Chariali 400kV (Twin Lapwing) 2xD/c lines
 - 420 kV, 2x125 MVA bus reactor along with associated bays
 - 220 kV line bays
 - 2 no. for termination of Bihpuria – Gogamukh 220kV D/c line (line to be implemented by AEGCL)
 - 132 kV line bays
 - 2 no. for termination of LILO of one circuit of North Lakhimpur – Dhemaji 132 kV new D/c line (LILO to be implemented by AEGCL)
 - 2 no. for termination of Gogamukh (ISTS) – Gerukamukh (Arunachal Pradesh) 132 kV D/c line
- ii. Extension works at Gerukamukh (Arunachal Pradesh) 132kV S/s
 - 2 no. of 132 kV line bays for termination of Gogamukh (ISTS) – Gerukamukh (Arunachal Pradesh) 132kV D/c line
- iii. Gogamukh (ISTS) – Gerukamukh (Arunachal Pradesh) 132kV D/c (Zebra) line
- iv. LILO of one D/c (ckt-1 & ckt-2 of line-1) of Lower Subansiri – Biswanath Chariali 400kV (Twin Lapwing) 2xD/c lines at Gogamukh S/s
- Additional space for future expansion:
 - 400/220kV, 1x500MVA ICT - 1 no. (along with associated bays at both levels)
 - 420kV, 1x125MVA bus reactor along with associated bays
 - 12 nos. of 400kV line bays for future lines
 - 4 nos. of 400V line bays for termination of Dibang – Gogamukh 2xD/c lines
 - 2 nos. of 400kV line bays (along with 2x80MVA switchable line reactor) for termination of Gogamukh – Biswanath Chariali 400kV D/c (Quad) line
 - 6 nos. of 400kV line bays (along with switchable line reactor) for future lines

- 220/132kV, 1x200MVA ICT - 1 no. (along with associated bays at both levels)
- 6 nos. of 220kV line bays for future lines
- 6 nos. of 132kV line bays for future lines

Note:

- (a) Lower Subansiri – Biswanath Chariali 400kV (Twin Lapwing) D/c-1 line is under implementation by POWERGRID and is expected to be commissioned by Dec 2022.
- (b) Arunachal Pradesh to provide space at Gerukamukh S/s for implementation of 2 no. 132kV line bays.

5.3.4 As the estimated cost of the scheme lies between Rs 100 to 500 Crore, NCT approved the North Eastern Region Expansion Scheme-XVI (NERES-XVI) scheme for implementation through TBCB mode with implementation time frame as 30 months from transfer of SPV.

5.4 **Modification of scope under Western Region Expansion Scheme-XXV (WRES-XXV) scheme on account of space constraints at Raigarh (Kotra) S/s**

5.4.1 Representative of CTU stated that the Western Region Expansion Scheme-XXV (WRES-XXV) involved augmentation of transformation capacity at Raigarh (Kotra) by 1x1500MVA, 765/400kV ICT at Section-A (3rd ICT on Section A) and by 2x1500MVA, 765/400kV ICTs at Section-B (3rd & 4th ICTs on Section B) along with associated ICT bays as elaborated below:

Raigarh(Kotra) Section-A

- 765/400kV ICT: 1x1500MVA
- 765kV ICT bay: 1 no.
- 400kV ICT bay: 1 no.

Raigarh(Kotra) Section-B

- 765/400kV ICT: 2x1500MVA
- 765kV ICT bay: 2 nos.
- 400kV ICT bay: 2 nos.

5.4.2 He also stated that the above scheme was agreed in the 8th NCT meeting held on 25.03.2022 to facilitate 'N-1' compliancy of the 765/400 kV ICTs at Raigarh (Kotra) S/s under following 2 conditions (after bus split arrangement):

- With Raigarh – Pugalur HVDC line operating under blocked mode or reverse mode (SR to WR) during high renewable generation in southern region and high generation at Raigarh (Kotra) PS.
- With Raigarh – Pugalur HVDC line operating under forward mode (WR to SR) and under low generation at either of the bus section at Raigarh PS.

5.4.3 The scheme was awarded to CTU for implementation under RTM mode to be implemented by POWERGRID vide NCT letter dated 10.05.2022 with schedule of 15 months from date of allocation.

5.4.4 It was further informed that subsequently, POWERGRID vide letter dated 19.05.2022 has intimated that as per site conditions, space for installation of 2nd 765/400kV ICT on Section-B is not feasible. Further, modification of bay orientation may be required for installation of ICT on Section-A. The matter was discussed with POWERGRID and it was decided that a committee comprising of members from CTUIL & POWERGRID shall visit the site and explore options to implement the scheme. The committee visited the site on 31.05.2022 & 01.06.2022 and submitted its site visit report and made the following recommendations:

- 1st ICT in Section B: ICT to be installed in Space available for Future ICT. For connection on 765 kV side, Future Bay No. 726 to be constructed in existing Half Dia. For connection in 400kV side, 400kV DB Power 2 Line (along with Line side equipment) to be shifted from existing 400kV Bay No. 433 to Future Bay 444 using additional BPIs. The vacated 400kV Bay no. 433 shall be used to terminate this ICT in AIS. This arrangement requires sufficient outage of DB POWER 2 Line for shifting in new Dia.
- 1st ICT in Section A: ICT to be installed in Space available for Future ICT. For connection on 765 kV side, the Dia consisting of Bays 710,711 & 712 to be constructed in AIS (Presently this space has been used to Terminate the Champa-I Line in Bay 715).
- 765kV Champa-1 Line shall be shifted from Bay 715 to Bay 710. For connection of ICT on 765kV side, Bay No. 712 shall be used. For connection of ICT in 400kV side, Future Bay 421 shall be constructed in existing Half Dia.
- 2nd ICT in Section B: ICT to be installed in Space available in the area earmarked for Future ICT in Section A. For connection on 765kV side, 1 no. 765kV GIS Bay (consisting of 2 nos. CBs) shall be constructed (Double Bus Double Breaker Scheme) in Bus Section-B in the space available near 765 kV Bus Sectionalizer Area and using GIB (Gas Insulated Bus Duct). The ICT shall be physically located in the area of Section A and connected to Bus in Section B.
- Likewise, for connection on 400kV side also, 1 no 400kV GIS Bay (consisting of 2 nos. CBs) shall be constructed (Double Bus Double Breaker Scheme) in the space available near 400 kV Bus Sectionalizer Area and using GIB (Gas Insulated Bus Duct). The ICT shall be physically located in the area of Section A and connected to Bus in Section B.

5.4.5 To deliberate on DB Power line 2 shifting from existing 400kV Bay No. 433 to Future Bay 444 using additional BPIs (proposed above), a meeting was held amongst CEA, CTUIL, POSOCO, POWERGRID and DB Power on 20.07.22,

wherein DB power expressed their apprehensions in shifting of their bay and subsequently DB Power vide e-mail dated 26.07.2022 informed that the above shifting is not acceptable to them.

5.4.6 In view of above, committee explored alternate arrangement for termination of ICT bay in section-B using partly 400 kV GIB duct and balance by BPI arrangement. In view of the above, the revised scope of the scheme as finalized by the committee is explained as per details given below:

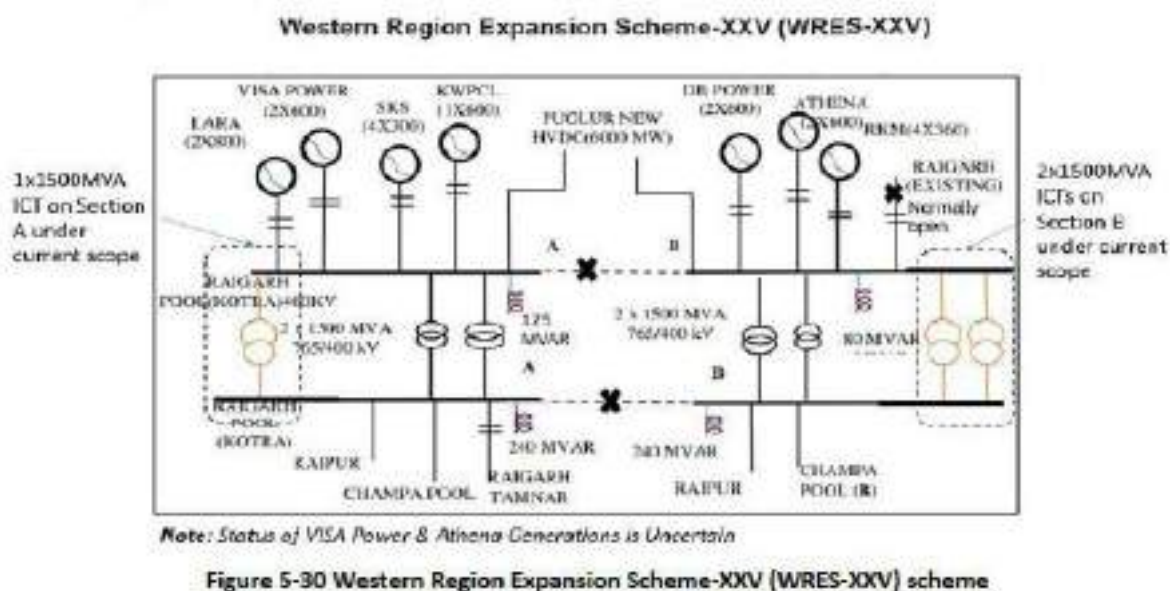


Figure 5-30 Western Region Expansion Scheme-XXV (WRES-XXV) scheme

Raigarh (Kotra) Section-A

Original Scope	Site Visit Recommendation	Committee	Revised Scope
765/400kV ICT: 1x1500MVA	Space available		765/400kV ICT (Sec-A: 3 rd): 1x1500MVA
765kV ICT bay: 1 no.	<ul style="list-style-type: none"> New Diameter with bay nos. 710, 711 & 712 to be constructed (AIS) in the space used for termination of Champa-I 765kV line in Bay No. 715 (existing). Champa-I 765kV line to be shifted from bay no. 715 to 710 (new) Equipment of Existing Main bay (715) of Champa-I line shall be shifted to New ICT Bay (ICT 3rd bay no. 712) ICT to be terminated into bay no. 712 		765kV bay: 1 no. for change in termination of Champa-I line from existing bay to new bay & Equipment of Existing Main bay of Champa-I line shall be shifted to New ICT Bay (ICT 3 rd bay) for utilization.
400kV ICT bay: 1 no.	Space available (Bay No. 421)		400kV ICT bay: 1 no.

Raiqarh(Kotra) Section-B

Original Scope	Site Visit Report Recommendation	Revised Scope
765/400kV ICT: 2x1500MVA	ICT-I (3rd): <ul style="list-style-type: none"> Space Available ICT-II (4th): <ul style="list-style-type: none"> Space Available in area earmarked for future ICT in the other section (Section-A) 	765/400kV ICTs (Sec-B: 3 rd & 4 th): 2x1500MVA
765kV ICT bay: 2 no.	ICT-I (3rd): <ul style="list-style-type: none"> Space Available (Bay No. 726) ICT-II (4th): <ul style="list-style-type: none"> Due to space constraints / non-availability of required clearances in Section-B, 1 no. 765kV GIS bay (consisting of 2 breakers) to be constructed (Double bus double breaker scheme) in space near 765 kV bus sectionalizer area and the ICT (physically located in section-A) to be connected with the above bay through GIB Duct 	<u>Sec-B: 3rd ICT</u> <ul style="list-style-type: none"> 765kV ICT bay (AIS): 1 no. <u>Sec-B: 4th ICT</u> <ul style="list-style-type: none"> 765kV ICT bay (GIS): 1 no. consisting of 2 breakers [with Double bus double breaker scheme and the ICT (4th) (physically located in the space available near section-A) to be connected with the above bay through GIB Duct]
400kV ICT bay: 2 no.	ICT-I (3rd): <ul style="list-style-type: none"> Space Available (Bay No. 444) Due to constraints w.r.t. available clearances on 400kV side, ICT shall be terminated into above bay in section-B using partly 400kV GIB duct and balance by BPI arrangement ICT-II (4th): <ul style="list-style-type: none"> Due to space constraints / non-availability of required clearances in Section-B, 1 no. 400 kV GIS bay (consisting of 2 breakers) to be constructed (Double bus double breaker scheme) in space near 400kV bus sectionalizer area and the ICT (physically located in the space available near section-A) to be connected with the above bay through GIB Duct 	<u>Sec-B: 3rd ICT</u> <ul style="list-style-type: none"> 400kV ICT bay (AIS): 1 no. (ICT shall be terminated into above bay using partly 400kV GIB duct and balance by BPI arrangement) <u>Sec-B: 4th ICT</u> <ul style="list-style-type: none"> 400 kV ICT bay (GIS): 1 no. consisting of 2 breakers [with Double bus double breaker scheme and the ICT (4th) (physically located in the space available near section-A) to be connected with the above bay through GIB Duct]

5.4.7 Regarding present status and cost implications, representative of CTU stated that although the scheme was to be implemented by POWERGRID as per CTU OM dated 11.05.2022 in time-frame of 15 months (i.e. Aug'23), the same is undergoing changes as per the site visit held on 31.05.2022 & 01.06.2022

leading to time and cost escalation. Hence, POWERGRID has requested approval for revised scheme with revised time-line of implementation. Further, with above changes in the scope of work, the revised cost of the scheme has been worked out as Rs. 381 Cr. (i.e. increment by Rs. 107 Cr.).

- 5.4.8 NCT approved the revised scope of work given in table above under WRES-XXV scheme with implementation timeline as 12 months on best effort basis from date of allocation of the scheme so that the modifications are completed before the start of next winter season.

5.5 **Modification of future space provision in "Establishment of Khavda Pooling Station-2 (KPS2) in Khavda RE Park" scheme**

- 5.5.1 Transmission system for establishment of KPS2 & KPS3 was deliberated in the 5th NCT meeting held on 25.08.2021 and 02.09.2021. Ministry of Power vide Gazette notification 5032(E) published on 06.12.2021 has appointed RECPDCL as BPC for implementation of the subject transmission schemes through TBCB route.

- 5.5.2 While preparation of Bidding Documents for the Khavda Phase-II Schemes (8 no.) for evacuation of 5 GW from Khavda RE park, the need was felt to prepare the layout of the pooling stations & outgoing lines from Khavda RE park based on the holistic Transmission System planned for evacuation of total 27.7 GW RE capacity from Khavda. This was mainly on account of limited availability of land and line corridors (RoW) due to restrictions (No-go zones) imposed by Local Military Authority (LMA).

- 5.5.3 While preparing the layout of the pooling stations KPS2 & KPS 3, keeping in view the present as well as future requirements, the following changes in the space requirement (for future expansion) at KPS2 was felt necessary:

- 765 kV line bays (future): 10 nos. instead of 8 nos envisaged earlier.
- 400 kV line bays (future): 12 nos. instead of 10 nos envisaged earlier.
- Space for proposed 8000 MW HVDC System as well as BESS

- 5.5.4 Accordingly, in view of the above changes in space for future provisions at KPS2, the changes in scope of KPS2 are given as under:

Establishment of Khavda Pooling Station-2 (KPS2) in Khavda RE Park:

S.No	Scope of the Transmission Scheme (Original)	Scope of the Transmission Scheme (Revised)
1.	Establishment of 765/400 kV, 4x1500MVA, KPS2 (GIS) with 2x330 MVAR 765 kV bus reactor and 2x125 MVAR 400 kV bus reactor.	Establishment of 765/400 kV, 4x1500MVA, KPS2 (GIS) with 2x330 MVAR 765 kV bus reactor and 2x125 MVAR 400 kV bus reactor.

S.No	Scope of the Transmission Scheme (Original)	Scope of the Transmission Scheme (Revised)
	<p>Adequate space for future expansion of 5x1500 MVA 765/400 kV ICT's</p> <p><i>Bus sectionalizer at 765kV & 400kV.</i> <i>On each bus section, there shall be 2x1500MVA 765/400kV ICTs, 1x330MVA, 765 kV & 1x125MVA 420kV bus reactor with space for future expansion.</i></p> <p><i>Bus sectionalizer at 765 kV level shall normally be closed and bus sectionalizer at 400 kV level shall normally be open</i></p> <p>Future provisions: Space for 765/400 kV ICTs along with bays: 5 nos. 765kV line bay with switchable line reactor: 8 nos. 400kV line bay with switchable line reactor: 10 nos. To take care of any drawal needs of area in future: 400/220 kV ICT: 2 nos. 220 kV line bays: 4 nos.</p>	<p>Adequate space for future expansion of 5x1500 MVA 765/400 kV ICT's</p> <p><i>Bus sectionalizer at 765kV & 400kV.</i> <i>On each bus section, there shall be 2x1500MVA 765/400kV ICTs, 1x330MVA, 765 kV & 1x125MVA 420kV bus reactor with space for future expansion.</i></p> <p><i>Bus sectionalizer at 765 kV level shall normally be closed and bus sectionalizer at 400 kV level shall normally be open</i></p> <p>Future provisions: Space for 765/400 kV ICTs along with bays: 5 nos. 765kV line bay with switchable line reactor: 10 nos. 400kV line bay with switchable line reactor: 12 nos. 8000MW, ±800kV HVDC Converter station (LCC) To take care of any drawal needs of area in future: 400/220 kV ICT: 2 nos. 220 kV line bays: 4 nos.</p>
2.	LILO of one ckt. of KPS1- Bhuj PS 765 kV D/c line at KPS2	LILO of one ckt. of KPS1- Bhuj PS 765 kV D/c line at KPS2

5.5.5 Chairperson, CEA, enquired about the present status of the original scheme and the need to incorporate the space for future HVDC Converter station in the scope of works of the present scheme.

5.5.6 CEA & CTU stated that on account of limited land availability for Khavda Pooling Station 2, the layout of the KPS-2 S/s depicting the orientation of the HVDC, 765 kV & 400 kV switchyards have to be furnished alongwith the bidding documents. To avoid any space constraints in future, the tentative alignment of the incoming 400 kV lines of the developers and outgoing 765 KV ISTS lines from KPS-2 has also to be clearly marked in the layout. For optimum development of Khavda Pooling Station -2 (KPS-2) keeping in view present as well as future requirements, it is necessary to incorporate the space for future HVDC converter station in the scope of the scheme under bidding.

5.5.7 Chairperson, CEA, stated that as the Transmission scheme for Establishment of Khavda PS-2 has already been notified by MoP and any change in the scope of works would require amendment in the Gazette Notification done by MoP. Accordingly, the scope of works needs to be finalised in a prudent manner, so as to avoid such cases in future.

5.5.8 After detailed deliberations, NCT approved the changes in the future provision to be kept at Khavda Pooling Station-2, on account of urgency to complete the bidding process for the “Transmission Scheme for Establishment of KPS-2”.

5.6 **Modification of future space provision in Transmission system for evacuation of power from Chhatarpur SEZ (1500MW) scheme**

5.6.1 In view of the direction of MoP, for more space provisions in new ISTS substations (for evacuation of power from potential RE Zones / for meeting drawl requirements of STUs, etc), space provision at Chhatarpur PS, being established under “Transmission system for evacuation of power from Chhatarpur SEZ (1500MW)” (currently under bidding), was reviewed and revised space provision is given below:

Transmission system for evacuation of power from Chhatarpur SEZ (1500 MW)

Sl. No.	Scope of the Transmission Scheme (Original)	Scope of the Transmission Scheme (Revised)
1.	<p>(i) Establishment of 3x500MVA, 400/220 kV Pooling Station at Chhatarpur</p> <p>(ii) 1x125 MVAR, 420 kV bus reactor at Chhatarpur PS</p> <p>(iii) 5 nos. 220kV line bays for solar park interconnection</p> <p><i>*out of Satna – Bina 2xD/c lines, one circuit of 2nd D/c line has been LILOed at Sagar (MPPTCL) substation. The proposed LILO is to be made on the other (1st) D/c line between Satna & Bina</i></p> <p>Future provisions: Space to accommodate:</p> <ul style="list-style-type: none"> • 400/220 kV, 500 MVA ICT along with associated bays -1 • 4 nos. of 220kV line bays • Sectionaliser arrangement 	<p>(i) Establishment of 3x500MVA, 400/220 kV Pooling Station at Chhatarpur</p> <p>(ii) 1x125 MVAR, 420 kV bus reactor at Chhatarpur PS</p> <p>(iii) nos. 220kV line bays for solar park interconnection</p> <p><i>*out of Satna – Bina 2xD/c lines, one circuit of 2nd D/c line has been LILOed at Sagar (MPPTCL) substation. The proposed LILO is to be made on the other (1st) D/c line between Satna & Bina</i></p> <p>Future provisions: Space to accommodate:</p> <ul style="list-style-type: none"> • 400/220 kV, 500 MVA ICT along with associated bays -5 • 400 kV line bays: 6 nos. • 3x125MVAr Bus Reactor with bay • 13 nos. of 220kV line bays • Sectionaliser arrangement at

Sl. No.	Scope of the Transmission Scheme (Original)	Scope of the Transmission Scheme (Revised)
		220kV (2 Sets) & 400kV (1 Set) levels
2.	LILO of Satna – Bina 400kV (1 st) D/c line at Chhatarpur PS	LILO of Satna – Bina 400kV (1 st) D/c line at Chhatarpur PS

Note: As per the MoP Gazette, scheme implementation is to be taken only after grant of LTA. In this respect, it may be noted that Generation Projects are yet to be identified at Chhatarpur PS.

5.6.2 As it is not possible for NTPC to construct dedicated transmission line upto the planned Chhatarpur PS on account of the transmission line passing through Panna Tiger Reserve, it was informed that two separate pooling stations are being planned for pooling of RE power of RUMS and NTPC. Hence, additional future provisions at Chhatarpur PS may not be required.

5.6.3 CTUIL was directed to examine the requirement of future provisions in view of the above and it was decided that the matter shall be deliberated again in the next meeting.

5.13 Transmission System for Evacuation of Power from RE Projects in Rajgarh (2500 MW) SEZ in Madhya Pradesh

5.13.1 Transmission system for evacuation of Power from RE Projects in Rajgarh (2500 MW) SEZ in Madhya Pradesh was agreed in the 4th meeting of NCT held on 20.01.2021 & 28.01.2021 for implementation in two phases as two different Transmission packages: Phase-I (1500MW) & Phase-II (1000MW).

5.13.2 Ministry of Power, vide Gazette notification dated 24.01.2020 had appointed REC as the Bid Process Coordinator (BPC) for selection of Bidder as Transmission Service Provider (TSP) to establish the subject transmission scheme through Tariff Based Competitive Bidding (TBCB) process. Subsequently, MoP vide gazette notification dated 19.07.2021 had modified the scope of the subject transmission scheme after examining the recommendations of the 4th NCT meeting and renotified the scope to be taken up under Phase-I i.e. "Transmission system for evacuation of power from RE projects in Rajgarh (1500 MW) SEZ in Madhya Pradesh under Phase-I."

5.13.3 Phase-I of the scheme is under implementation by M/s GR Infraprojects Ltd. with SCOD of 30.11.2023.

5.13.4 SECI vide letter dated 23.06.2022 had requested to initiate the development of several Pooling Stations including Rajgarh Phase-II (1000 MW), irrespective of the receipt of connectivity applications. Rajgarh Phase II Scheme as per 4th NCT meeting is given below:

Sl. No.	Scope of the Transmission Scheme	Capacity/km.
1.	Augmentation of 400/220 kV, 2x500 MVA ICT (4 th & 5 th) at Pachora PS (Rajgarh)	400/220 kV, 500 MVA ICT – 2 400 kV ICT bays – 2 220 kV ICT bays – 2 400 kV line bays – 2 220 kV line bays – 4 (to be taken up as per Connectivity/LTA applications received)
2.	Pachora – Shujalpur 400kV D/c line (Quad/HTLS) (with minimum capacity of 2100MVA/ckt at nominal voltage)	Length – 80 km
3.	2 no. of 400 kV line bays at Shujalpur for Pachora – Shujalpur 400kV D/c line (Quad/HTLS) (with minimum capacity of 2100MVA/ckt at nominal voltage)	400kV line bays – 2

Note:

(i) Powergrid to provide space for 2 no. of 400 kV line bays at Shujalpur for termination of Rajgarh SEZ PP – Shujalpur 400 kV D/c line.

(ii) Phase-II scheme to be taken up only after grant of Connectivity/LTA applications beyond 1500 MW at Pachora P.S.

(iii) The schedule of implementation of Phase-II of the scheme would be matching with schedule of RE developers or 18 months from the date of transfer of SPV whichever is later.

5.13.5 Earlier, the Phase-II of the scheme had been agreed to be taken up only after grant of Connectivity beyond 1500 MW at Pachora PS. However, based on request of SECI to expedite the Phase-II of the scheme irrespective of connectivity applications, the matter needs to be deliberated.

5.13.6 Further, to provide clarity regarding the conductor configuration of Pachora – Shujalpur 400kV D/c line as well as bus sectionalization which shall be required at 220kV level, the revised scope is given below (changes marked in bold):

Sl. No.	Scope of the Transmission Scheme	Capacity/km.
1.	400/220 kV, 2x500 MVA ICT augmentation at Pachora PS	400/220 kV, 500 MVA ICT – 2 400 kV ICT bays – 2 220 kV ICT bays – 2 400 kV line bays – 2 220 kV line bays – 4 (to be taken up as per Connectivity/LTA applications received)

Sl. No.	Scope of the Transmission Scheme	Capacity/km.
		220kV Bus Sectionaliser – 1 set 220kV TBC bay – 1 no. 220kV BC bay – 1 no.
2.	Pachora – Shujalpur 400kV D/c line (Quad ACSR/AAAC/AL59 Moose equivalent)	Length – 80 km
3.	2 no. of 400 kV line bays at Shujalpur for Pachora – Shujalpur 400kV D/c line (Quad ACSR/AAAC/AL59 Moose equivalent)	400kV line bays – 2

Note:

- (i) Powergrid to provide space for 2 no. of 400 kV line bays at Shujalpur for termination of Rajgarh SEZ PP – Shujalpur 400 kV D/c line.
- (ii) Phase-II scheme to be taken up only after grant of Connectivity/LTA applications beyond 1500 MW at Pachora P.S.
- (ii) The schedule of implementation of Phase-II of the scheme would be matching with schedule of RE developers or 18 months from the date of transfer of SPV whichever is later.

5.13.7 It was informed that MPPTCL has requested to review the above scheme in view of overloading of Shujalpur 400/220kV ICTs and downstream system.

5.13.8 After deliberations, it was decided that the scheme would be reviewed in the next NCT meeting based on visibility of RE generation as well as outcome of studies to be carried out in coordination with MPPTCL.

5.14 **Resumption of bidding process of transmission schemes at Bidar and Ananthapuram**

5.14.1 SECI vide the letter dated 23.06.2022 had requested to initiate the development of Pooling Stations simultaneously at different locations including Anantapur and Bidar for integration of RE. The transmission system at Ananthpur and Bidar was to be implemented through TBCB route for which bidding had been initiated but were subsequently put on hold because of uncertainty in development of RE generation projects.

5.14.2 A meeting was held in CEA on 01.08.2022 in which it was agreed that 1000 MVA capacity each at Bidar and Ananthpur could be taken up in first phase and further capacity would be taken up based on the visibility of RE generators. In the meeting, CTUIL had informed that they have not received any connectivity applications at Anantapur and Bidar.

5.14.3 In view of above, the following needed to be deliberated:

- Taking up the transmission schemes without any connectivity applications
- Phasing of the schemes i.e. (i) whether bidding for Phase I & phase II of each scheme would be done simultaneously with time gap in CoD of the phases or (ii) taking up bidding of Phase I & phase II of each scheme in different time frames needs to be deliberated.

5.14.4 After deliberations, it was decided that the scheme would be reviewed in the next NCT meeting based on visibility of RE generators.

6 Supply and Installation of OPGW on existing main lines which are to be LILOed under various transmission schemes.

6.1 CTU stated that some existing transmission lines have been agreed to be LILOed under various transmission schemes. The OPGW on the LILO portion is being implemented by the TSP implementing the LILO portion. However, the main existing lines do not have OPGW and hence the communication of the LILO stations to the respective RLDC cannot be established. Respective RPCs have given their consent for the installation of OPWG.

6.2 The transmission lines which are to be provided with OPGW alongwith necessary accessories and FOTE are mentioned as under.

Western Region

- 400kV Bachau (PG) – EPGL line (221 km) [to be LILOed at Kallam]
- 400kV Satna – Bina (1st) D/c line (276 km) [to be LILOed at Chatarpur]
- 400kV Kakrapar - Vapi D/c line (116 km) [to be LILOed at Vapi-II]

Estimated Cost Rs. 31 Crore (approx.)

Northern Region

- 765kV S/c Jaipur (Phagi) (RVPNL) – Gwalior line (312 km) (Ckt-1 is proposed) (to be LILOed at Dausa)
- 400kV D/c Agra – Jaipur (South) (PG) line (254 km) (to be LILOed at Dausa)

Estimated Cost Rs. 28.5 Crore (approx.)

6.3 After detailed deliberations, NCT approved the installation of OPGW (alongwith necessary accessories and FOTE) on the above lines which are to be LILOed under various transmission schemes, under RTM mode to owner of the lines viz. POWERGRID, matching with the timeframe of the respective LILOs.

7 Evaluation of functioning of National Grid.

Due to paucity of time, the agenda could not be discussed.

- 8 Comprehensive presentation by CTU apprising NCT of measures taken for ensuring development of an efficient, co-ordinated and economical ISTS for smooth flow of electricity.**

Due to paucity of time, the agenda could not be discussed.

- 9 Five-year rolling plan for ISTS capacity addition.**

Due to paucity of time, the agenda could not be discussed.

Meeting ended with thanks to chair.

Summary of the deliberations of the 09th NCT meeting held on 28.09.2022.

1. ISTS Transmission schemes, costing upto Rs 100 Crore, noted by NCT: No information in this regard received from CTUIL.
2. ISTS Transmission schemes, costing between Rs 100 Crore to Rs 500 Crore, approved by NCT:

2.1 The transmission schemes approved by NCT under RTM is given below:

Sl. No.	Name of Transmission Scheme	Implementation Mode	Implementation timeframe	Allocated to	Estimated Cost (Rs. Crs)
1.	Augmentation of ISTS for interconnection of HVPNL transmission schemes	RTM	Given in detailed scope	CTUIL	117.05
2.	Scheme to relieve high loading of WR-NR Inter Regional Corridor (400 kV Bhinmal-Zerda line)	RTM	12 months for bypassing and 18 months for <i>reconductoring</i> (Best effort to be made for completing <i>reconductoring</i> works in 15 months) from date of allocation	CTUIL	288.9
3.	Eastern Region Expansion Scheme-XXIX (ERES-XXIX)	RTM	36 months from date of allocation	CTUIL	422.23
4.	Augmentation of transformation capacity at Kallam PS by 2x500 MVA, 400/220 kV ICTs (3rd & 4th) along with 220 kV bays for RE interconnection	RTM	18 months from date of allocation	CTUIL	156.89

Sl. No.	Name of Transmission Scheme	Implementation Mode	Implementation timeframe	Allocated to	Estimated Cost (Rs. Crs)
5.	Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex)-Part-E	RTM	As mentioned in para 4.5.6	CTUIL	368
6.	Supply and Installation of OPGW on existing main lines which are to be LILOed under various transmission schemes.	RTM	Matching with the timeframe of the respective LILOs.	CTUIL	59.5

2.2 The transmission schemes approved by NCT under TBCB is given below:

Sl. No.	Name of Transmission Scheme	Implementation Mode	Implementation timeframe	Allocated to	Estimated Cost (Rs. Crs)	Survey Agency
1.	North Eastern Region Expansion Scheme-XVI (NERES-XVI)	TBCB	30 months	RECPDCL	289	CTUIL

3. The broad scope of above ISTS scheme, approved by NCT for implementation through TBCB route to be notified in Gazette of India is as given below:

Sl. No.	Name of Scheme & Implementation timeframe	Broad Scope	Bid Process Coordinator
1.	North Eastern Region Expansion Scheme-XVI (NERES-XVI) Implementation Timeframe: 30 months from transfer of SPV	<ul style="list-style-type: none"> i. Establishment of New Gogamukh 400/220/132 kV substation ii. Extension works at Gerukamukh (Arunachal Pradesh) 132 kV S/s iii. Gogamukh (ISTS) – Gerukamukh (Arunachal Pradesh) 132 kV D/c (Zebra) line iv. LILO of one D/c (ckt-1 & ckt-2 of line-1) of Lower Subansiri – Biswanath Chariali 400kV (Twin Lapwing) 2xD/c lines at Gogamukh S/s v. Associated bays and reactors 	RECPDCL

		(Detailed scope as approved by 9 th NCT and subsequent amendments thereof)	
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4. ISTS Transmission schemes, costing greater than Rs 500 Crore recommended by NCT to MoP:

4.1 The ISTS transmission schemes recommended by NCT to MoP are given below:

Sl. No.	Transmission Scheme	Implementa tion Mode	Implementati on timeframe	Survey Agency	Estimated Cost (Rs. Crs)
1.	Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1: Bikaner Complex)-Part-A	TBCB	24 Months	CTUIL	4741
2.	Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1: Bikaner Complex) Part-B	TBCB	24 Months	PFCCL	1876
3.	Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1: Bikaner Complex) Part-C	TBCB	24 Months	PFCCL	3204
4.	Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1: Bikaner Complex) Part-D	TBCB	24 Months	PFCCL	3271
5.	Transmission system for evacuation of power from REZ in Rajasthan (20GW) under Phase-III: Part I	TBCB	42 months	RECPD CL	12,700

4.2 The broad scope of ISTS schemes recommended by NCT to MoP for implementation through TBCB mode, to be notified in Gazette of India is as given below:

Sl. No.	Name of Scheme & Implementation timeframe	Broad Scope	Bid Process Coordinator
1.	Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex)- Part-A Implementation Timeframe: 24 months	(i) Establishment of 765/400/220 kV Bikaner-III Pooling Station (ii) LILO of both ckts of 400kV Bikaner (PG)-Bikaner-II D/c line (Quad) at Bikaner-III PS (iii) Bikaner-II PS – Bikaner-III PS 400 kV D/c line (Quad) (iv) Bikaner-III - Neemrana-II 765 kV D/c line (v) Associated bays and reactors (Detailed scope as approved by 9th NCT and subsequent amendments thereof)	To be decided by MoP
2.	Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex)- Part-B Implementation Timeframe: 24 months	1. Establishment of 765/400 kV Neemrana-II S/s 2. Neemrana-II -Kotputli 400 kV D/c line (Quad) 3. LILO of both ckts of 400 kV Gurgaon (PG) - Sohna Road (GPTL) D/c line (Quad) at Neemrana-II S/s 4. Associated bays and reactors (Detailed scope as approved by 9th NCT and subsequent amendments thereof)	To be decided by MoP
3.	Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex)- Part-C Implementation Timeframe: 24 months	1. Bikaner-III - Neemrana-II 765 kV D/c line (2 nd) 2. Associated bays and reactors (Detailed scope as approved by 9th NCT and subsequent amendments thereof)	To be decided by MoP
4.	Transmission system for	1. Neemrana-II- Bareilly (PG)	To be

Sl. No.	Name of Scheme & Implementation timeframe	Broad Scope	Bid Process Coordinator
	evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex)- Part-D Implementation Timeframe: 24 months	765 kV D/c line 2. Associated bays and reactors (Detailed scope as approved by 9th NCT and subsequent amendments thereof)	decided by MoP
5.	Transmission system for evacuation of power from REZ in Rajasthan (20GW) under Phase-III: Part I Implementation Timeframe: 42 months	1. Establishment of 6000MW, ± 800 kV Bhadla (HVDC) terminal station [LCC] (4x1500 MW) at a suitable location near Bhadla-3 substation. 2. Establishment of 6000 MW, ± 800 kV Fatehpur (HVDC) terminal station [LCC] (4x1500 MW) at suitable location near Fatehpur (UP). 3. Bhadla-3 – Bhadla (HVDC) 400 kV 2xD/c line 4. ± 800 kV HVDC line (Hexa lapwing) between Bhadla-3 & Fatehpur (with Dedicated Metallic Return) 5. Establishment of 5x1500 MVA, 765/400 kV ICTs at Fatehpur (HVDC). 6. Associated bays and reactors (Detailed scope as approved by 9th NCT and subsequent amendments thereof)	To be decided by MoP

5. Modification in the scope of works of Transmission Scheme awarded through RTM by 8th NCT.

5.1 The modified scope of works for Western Region Expansion Scheme-XXV (WRES-XXV) scheme on account of space constraints at Raigarh (Kotra) S/s:

Raigarh (Kotra) Section-A

Original Scope	Revised Scope
765/400kV ICT: 1x1500MVA	765/400 kV ICT (Sec-A: 3 rd): 1x1500 MVA

Original Scope	Revised Scope
765kV ICT bay: 1 no.	765 kV bay: 1 no. for change in termination of Champa-I line from existing bay to new bay & Equipment of Existing Main bay of Champa-I line shall be shifted to New ICT Bay (ICT 3 rd bay) for utilization.
400kV ICT bay: 1 no.	400 kV ICT bay: 1 no.

Raigarh(Kotra) Section-B

Original Scope	Revised Scope
765/400kV ICT: 2x1500MVA	765/400kV ICTs (Sec-B: 3 rd & 4 th): 2x1500MVA
765kV ICT bay: 2 no.	<u>Sec-B: 3rd ICT</u> <ul style="list-style-type: none"> 765kV ICT bay (AIS): 1 no. <u>Sec-B: 4th ICT</u> <ul style="list-style-type: none"> 765kV ICT bay (GIS): 1 no. consisting of 2 breakers [with Double bus double breaker scheme and the ICT (4th) (physically located in the space available near section-A) to be connected with the above bay through GIB Duct]
400kV ICT bay: 2 no.	<u>Sec-B: 3rd ICT</u> <ul style="list-style-type: none"> 400kV ICT bay (AIS): 1 no. (ICT shall be terminated into above bay using partly 400kV GIB duct and balance by BPI arrangement) <u>Sec-B: 4th ICT</u> <ul style="list-style-type: none"> 400kV ICT bay (GIS): 1 no. consisting of 2 breakers [with Double bus double breaker scheme and the ICT (4th) (physically located in the space available near section-A) to be connected with the above bay through GIB Duct]

5.2 The revised cost of Western Region Expansion Scheme-XXV (WRES-XXV) scheme is Rs. 381 Crs.

6. Modification in the scope of works of Transmission Scheme presently under bidding (recommended in 5th NCT meeting).

6.1 Ministry of Power vide Gazette notification 5032(E) published on 06.12.2021 had appointed RECPDCL as BPC for implementation of the transmission scheme "Establishment of Khavda Pooling Station-2 (KPS-2) in Khavda RE Park" through TBCB route. Space for future provisions at KPS2 needs to be kept. Accordingly, the changes in scope of KPS2 are given as under:

Establishment of Khavda Pooling Station-2 (KPS2) in Khavda RE Park

Sl. No.	Scope of the Transmission Scheme (Original)	Scope of the Transmission Scheme (Revised)
1.	Establishment of 765/400 kV, 4x1500MVA, KPS2 (GIS) with 2x330 MVAR 765 kV bus reactor and 2x125 MVAR 400 kV bus	Establishment of 765/400 kV, 4x1500MVA, KPS2 (GIS) with 2x330 MVAR 765 kV bus reactor and 2x125 MVAR 400 kV bus

Sl. No.	Scope of the Transmission Scheme (Original)	Scope of the Transmission Scheme (Revised)
	<p>reactor.</p> <p>Adequate space for future expansion of 5x1500 MVA 765/400 kV ICT's</p> <p><i>Bus sectionalizer at 765kV & 400kV.</i> <i>On each bus section, there shall be 2x1500MVA 765/400kV ICTs, 1x330MVAR, 765 kV & 1x125MVAR 420kV bus reactor with space for future expansion.</i></p> <p><i>Bus sectionalizer at 765 kV level shall normally be closed and bus sectionalizer at 400 kV level shall normally be open</i></p> <p>Future provisions: Space for 765/400 kV ICTs along with bays: 5 nos. 765kV line bay with switchable line reactor: 8 nos. 400kV line bay with switchable line reactor: 10 nos. To take care of any drawal needs of area in future: 400/220 kV ICT: 2 nos. 220 kV line bays: 4 nos.</p>	<p>reactor.</p> <p>Adequate space for future expansion of 5x1500 MVA 765/400 kV ICT's</p> <p><i>Bus sectionalizer at 765kV & 400kV.</i> <i>On each bus section, there shall be 2x1500MVA 765/400kV ICTs, 1x330MVAR, 765 kV & 1x125MVAR 420kV bus reactor with space for future expansion.</i></p> <p><i>Bus sectionalizer at 765 kV level shall normally be closed and bus sectionalizer at 400 kV level shall normally be open</i></p> <p>Future provisions: Space for 765/400 kV ICTs along with bays: 5 nos. 765kV line bay with switchable line reactor: 10 nos. 400kV line bay with switchable line reactor: 12 nos. 8000MW, \pm800kV HVDC Converter station (LCC) To take care of any drawal needs of area in future: 400/220 kV ICT: 2 nos. 220 kV line bays: 4 nos.</p>
2.	LILO of one ckt. Of KPS1- Bhuj PS 765 kV D/c line at KPS2	LILO of one ckt. Of KPS1- Bhuj PS 765 kV D/c line at KPS2

6.2 'Transmission system for evacuation of power from REZ in Rajasthan (20 GW) Phase –III' were approved in the 5th NCT meeting. The same was notified by MoP for implementation vide Gazette notification dated 06.12.2021. The transmission schemes are presently under bidding. In regard to the following schemes, some modifications are necessary on account of increase in actual line length (after detailed survey) and incorporation of future provisions as detailed below:

Sl. No.	Scheme	Scope	As approved in 5 th NCT	Modification/ Additional provision
1.	Transmission system for evacuation of power from REZ in Rajasthan (20GW) under Phase-III Part A3	Fatehgarh-III PS - Bhadla-III PS 400kV D/c line (Quad)	<ul style="list-style-type: none"> • 400 kV, 50 MVA_r Switchable line reactor – 4 nos. • Switching equipment for 400 kV 50 MVA_r switchable line reactor – 4 nos. 	<ul style="list-style-type: none"> • 400 kV, 63 MVA_r Switchable line reactor – 4 nos. • Switching equipment for 400 kV 63 MVA_r switchable line reactor – 4 nos.
2.	Transmission system for evacuation of power from REZ in Rajasthan (20GW) under Phase-III Part B1	Fatehgarh-II PS – Bhadla-III PS 400kV D/c line (Quad)	<ul style="list-style-type: none"> • 400 kV, 50 MVA_r Switchable line reactor – 4 nos. • Switching equipment for 400 kV 50 MVA_r switchable line reactor – 4 nos. 	<ul style="list-style-type: none"> • 400 kV, 63 MVA_r Switchable line reactor – 4 nos. • Switching equipment for 400 kV 63 MVA_r switchable line reactor – 4 nos.
3.	Transmission system for evacuation of power from REZ in Rajasthan (20GW) under Phase-III Part C1	Establishment of 2x1500 MVA/765/400kV & 2x500 MVA 400/220 kV pooling station at Ramgarh along with 2x240 MVA _r (765kV) Bus Reactor & 2x125 MVA _r (420kV) Bus reactor	--	<i>Future provision to be included:</i> Space provision for STATCOM (± 2x300MVA _r , 4x125 MVA _r MSC, 2x125 MVA _r MSR) at Ramgarh S/s

List of participants of the 9th meeting of NCT**CEA:**

1. Sh. Ghanshyam Prasad, Chairperson, CEA & Chairman, NCT
2. Sh. Ajay Talegaonkar, Member (E&C)
3. Sh. Ravinder Gupta, Chief Engineer (PSPA-II)
4. Sh. Ishan Sharan, Chief Engineer (PSPA-I)
5. Sh. B.S. Bairwa, Director (PSPA-II)
6. Smt. Manjari Chaturvedi, Director (PSPA-I)
7. Sh. Subhro Paul, Director (F&CA)
8. Sh. J. Ganeswara Rao, Deputy Director (PSPA-I)
9. Ms. Priyam Shrivastava, Deputy Director (PSPA-I)
10. Sh. Suyash Ayush Verma, Deputy Director (PSPA-II)
11. Sh. Deepanshu Rastogi, Deputy Director (PSPA-II)
12. Sh. Manish Maurya, Assistant Director (PSPA-II)

MoP:

1. Sh. Goutam Ghosh, Director (Trans.)

MNRE:

1. Sh. Dilip Nigam, Adviser

NITI Aayog:

1. Sh. Manoj Kumar Upadhyay, Deputy Adviser

CTUIL:

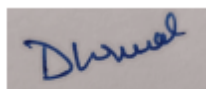
1. Sh. Ashok Pal, Deputy COO
2. Sh. Jasbir Singh, CGM
3. Sh. P.S. Das, Sr.GM
4. Sh. Kashish Bhambhani, GM
5. Sh. Anil Kumar Meena, Sr. DGM
6. Sh. Sandeep Kumawat, CM

POSOCO:

1. Sh. S.R. Narasimhan, CMD
2. Sh. Surajit Banerjee, CGM
3. Sh. Vivek Pandey, GM
4. Sh. Priyam Jain, Manager
5. Sh. Prabhankar Porwal, Dy Manager

Expert Member:

1. Dr. R. Saha



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असाधारण
EXTRAORDINARY

भाग II - खण्ड 3 - उप-खण्ड (ii)
PART II - Section 3 - Sub-section (ii)

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विद्युत मंत्रालय

अधिसूचना

नई दिल्ली, 13 जनवरी, 2023

का.आ. 234(अ) - निम्नलिखित पारेषण स्कीम को नीचे तालिका में वर्णित राजपत्र अधिसूचना द्वारा दैनिक आधिकारिक प्रतिस्पर्धी बोली (टीबीबीबी) के अंतर्गत कार्यान्वयन के लिए अधिसूचित किया गया था:

क्रम सं.	स्कीम का नाम	राजपत्र अधिसूचना जिनके द्वारा यह स्कीम अधिसूचित की गई थी
1	परण-II भाग ब के अंतर्गत आवारा पीएम से 4.5 गीगावाट आरई अंतःक्षेपण की निष्कामी के लिए पारेषण स्कीम	सा.आ. 3313(अ) दिनांक 25.9.2020 (फा.सं.15/3/2018-पारेषण-पार्ट(2))

2 पारेषण संबंधी राष्ट्रीय समिति की 9वीं बैठक में विद्युत मंत्रालय से उपर्युक्त वर्णित स्कीम को अन-अधिसूचित करने की सिफारिश की गई थी। अतएव, एतद्वारा उक्त स्कीम को इसके कार्यक्षेत्र सहित अन-अधिसूचित किया जाता है।

[फा. सं. 15/3/2018-पारेषण-पार्ट (1)]

मोहम्मद अफजल, सयुक्त सचिव (पारेषण)

MINISTRY OF POWER

NOTIFICATION

New Delhi, the 13th January, 2023

S.O. 234(E).— The following transmission scheme was notified for implementation under Tariff Based Competitive Bidding (TBCB) vide Gazette Notification mentioned in below table:

Sl. No.	Name of the Scheme	Gazette Notification by which Scheme was notified
1	Transmission scheme for evacuation of 4.5 GW RE injection at Khavda P.S. under Phase-II – Part D	S.O. 3333(E) Dated 25.9.2020 (F.No.15/3/2018-Trans-Pt(2))

2. Above mentioned scheme was recommended to Ministry of Power for de-notification in the 9th meeting of National Committee on Transmission. As such, above scheme including its scope is hereby de-notified.

(F. No. 15/3/2018-Trans-Pt(1))

MOHAMMAD AFZAL, Jr. Secy. (Trans)

अधिसूचना

नई दिल्ली, 13 जनवरी, 2023

का.आ. 235(अ).—केन्द्र सरकार, विद्युत अधिनियम, 2003 (2003 की संख्या 36) की धारा 63 के अंतर्गत परिचालित विश्व-विदेशों के वेग 3 के उप-वेग 3.2 द्वारा प्रदत्त शक्तियों का प्रयोग करते हुए, पारेषण स्कीमों के नाम के सामने दशम अक्षर, पारेषण स्कीमों के लिए एल द्वारा निम्नलिखित बोली-प्रक्रिया समन्वयकों (बीपीसी) को नियुक्त करती है:

क्र.सं.	पारेषण स्कीमों के नाम एवं कार्यक्षेत्र	बोली प्रक्रिया समन्वयकर्ता
1	राजस्थान आर्टिफिशियल केन-IV (भाग-1) (बीकानेर कॉम्प्लेक्स)- से विद्युत की निकासी के लिए पारेषण प्रणाली - भाग-क कार्यक्षेत्र:	पीएफसी कंसल्टिंग लिमिटेड
क्र.सं.	पारेषण स्कीम का कार्यक्षेत्र	अमलाधिकारी
1	बीकानेर के लिफ्ट उपग्रह, स्थान पर 2x330 एमवीएआर (765 केवी) वग रिपेक्टर (110 एमवीएआर की एक अतिरिक्त इकाई के साथ) और 2x125 एमवीएआर (420 केवी) वग रिपेक्टर सहित 6x500 एमवीए (500 एमवीए की एक अतिरिक्त इकाई के साथ) 765/400 केवी और 5x500 एमवीए 400/220 केवी बीकानेर-III पुरिफ स्टेशन की संस्थापना मापी प्राकृतिक: निम्नलिखित के लिए स्थान	<ul style="list-style-type: none"> 765/400 केवी 1500 एमवीए आर्टिमीटी: 6 (एक अतिरिक्त इकाई सहित 19x500 एमवीए) 765 केवी आर्टिमीटी बे-8 765 केवी लाइन बे-2 330 एमवीएआर वग रिपेक्टर-2 (एक अतिरिक्त इकाई सहित, 7x110 एमवीएआर) 765 केवी रिपेक्टर बे-2 400/220 केवी, 500 एमवीए आर्टिमीटी: 5 400 केवी आर्टिमीटी बे-11

	<ul style="list-style-type: none">स्विचबल लाइन रिपेक्टर सहित 765 केवी लाइन बे-6वे सहित 765 केवी बस रिपेक्टर-1स्विचबल लाइन रिपेक्टर सहित 400 केवी लाइन बे-4400 केवी लाइन बे-4वे सहित 400/220 केवी आइसोमोटी - 5वे सहित 400 केवी बस रिपेक्टर-1400 केवी सेक्शनलाइजेशन बे: 2 सेटब्रान्ड अनुप्रयोगों की कनेक्टिविटी के लिए 220 केवी लाइन बे- 8220 केवी सेक्शनलाइजेशन बे: 2 सेट220 केवी बीसी (2) तथा 220 केवी टीबीसी (2)एमएससी (4x125 एम्बीएआर) तथा एमएसआर (2x125 एम्बीएआर) सहित स्टैकॉन (2x1300 एम्बीएआर)	<ul style="list-style-type: none">420 केवी रिपेक्टर बे- 2125 एम्बीएआर, 420-केवी बस रिपेक्टर-2400 केवी लाइन बे - 6 (बीकानेर-बीकानेर-द्वितीय डी/सी लाइन के त्रिलो के लिए 4 और बीकानेर-द्वितीय डी/सी लाइन के लिए 2)220 केवी आइसोमोटी बे-5220 केवी लाइन बे-6 (आइसोमोटी के लिए)220 केवी बीसी (2) तथा 220 केवी टीबीसी (2)220 केवी सेक्शनलाइजेशन बे: 1 सेट	
2	बीकानेर-III पीएस पर 400 केवी बीकानेर (पीजी)-बीकानेर-III डी/सी लाइन (क्राह) के दोनों सर्किटों का लीनो	तवाई: 20 किमी	
3	बीकानेर-III पीएस - बीकानेर-III पीएस 400 केवी डी/सी लाइन (क्राह)	तवाई: 30 किमी	
4	बीकानेर-III पर 400 केवी डी 2 लाइन बे	400 केवी लाइन बे-2	
5	प्रत्येक सर्किट के लिए प्रत्येक स्टेशन पर 330 एम्बीएआर स्विचबल लाइन रिपेक्टर सहित बीकानेर-III - बीमरावा-III 765 केवी डी/सी लाइन	तवाई: 350 किमी	<ul style="list-style-type: none">बीकानेर-III पीएस पर 765 केवी, 330 एम्बीएआर स्विचबल लाइन रिपेक्टर-2बीमरावा-III सब/स्टेशन पर 765 केवी, 330 एम्बीएआर स्विचबल लाइन रिपेक्टर -2बीकानेर-III पीएस पर 765 केवी, 330 एम्बीएआर स्विचबल लाइन रिपेक्टरों के लिए स्विचिंग उपकरण-2

		<ul style="list-style-type: none">सीमराना-II सब/स्टेशन पर 765 केवी, 330 एमवीएआर स्विचेबल लाइन रिक्टरों के लिए निर्वाह उपकरण -2
8	सीमराना-II सब/स्टेशन में 765 केवी की 2 लाइन वे	<ul style="list-style-type: none">सीमराना-II सब/स्टेशन पर 765 केवी लाइन वे-2

टिप्पणी:

- उत्तर्जाईन लाइनो की लंबाइयां अनुमानित हैं क्योंकि गटोक संवाई निम्नतम संवेक्षण के बाद प्राप्त हो जाएगी।
- वायरिंग को बीकानेर-द्वितीय पीएम पर 400 केवी की 2 लाइन वे के लिए स्थान उपलब्ध कराना है।
- सीमराना-II सब/स्टेशन के विकासकर्ता को बीकानेर-III-सीमराना-II 765 केवी टी/सी लाइन को समाप्त के लिए सीमराना-II सब/स्टेशन पर स्विचेबल लाइन रिक्टर के लिए स्थान सृजित 765 केवी की 2 लाइन वे के लिए स्थान उपलब्ध कराना है।
- बीकानेर-III पीएम पर शॉर्ट सर्किट स्तर को सीमित करने के लिए 400 केवी और 220 केवी स्तर पर उपयुक्त मेंशनलाइजेशन का प्रावधान रखा जाएगा।

कार्यान्वयन समय-सीमा: स्पल बोर्डिंगाना को एगसीवी के अंतर्गत की तारीख से 24 माह।

2	राजस्थान आर्इवेड फेज-IV (भाग-1) (बीकानेर कॉम्प्लेक्स) -से विद्युत की बिकासी के लिए प्रायेण प्रस्तामी - भाग-अ		पीएफसी कॉम्प्लेक्स लिमिटेड
	क्र.सं.	प्रायेण स्कीम का कार्यक्षेत्र	
	क्र.सं.	समता/किमी	
	1	<p>सीमराना के निकट उपयुक्त स्थान पर 2x330 एमवीएआर (765 केवी) वग रिक्टर (110 एमवीएआर की एक अतिरिक्त इकाई सहित) और 2x125 एमवीएआर (420 केवी) वग रिक्टर के साथ 765/400 केवी 4x1500 एमवीए (500 एमवीए की एक अतिरिक्त इकाई सहित) सीमराना-II सब-स्टेशन की स्थापना</p> <p>भावी प्रावधान/निर्धारित के लिए स्थान</p> <ul style="list-style-type: none">वे सहित 765/400 केवी आईसीटी-2स्विचेबल लाइन रिक्टर सहित 765 केवी लाइन वे-12वे सहित 765 केवी वग रिक्टर 1स्विचेबल लाइन रिक्टर सहित	<ul style="list-style-type: none">765/400 केवी 1500 एमवीए आईसीटी-4 (13x500 एक अतिरिक्त इकाई सहित)330 एमवीएआर वग रिक्टर-2 (7x110 एमवीएआर, एक अतिरिक्त इकाई सहित)765 केवी रिक्टर वे-2125 एमवीएआर, 420 केवी वग रिक्टर -2420 केवी रिक्टर वे-2765 केवी आईसीटी वे-4400 केवी आईसीटी वे-4400 केवी लाइन वे-6 (गुडगांव-रोहन रोड टी/सी लाइन के लिफ्ट के लिए 4 और कोटपुखी टी/सी लाइन के लिए 2)

	<p>400 केवी लाइन वे-8</p> <ul style="list-style-type: none"> • के-सहित 400 केवी बग रिप्लेस-1 • 400 केवी गेनरेशन लाइन वे-2 स्तर 	
2	सीमराना-III कोटपुतनी 400 केवी डी/सी लाइन (डाउड)	नंबाई: 70 किमी
3	कोटपुतनी पर 400 केवी की 2 लाइन वे	कोटपुतनी पर 400 केवी लाइन वे-2
4	सीमराना-III राजस्थान पर 400 केवी गेनरेशन (पीजी) - मोहना रोड (जीपीसीएल) डी/सी लाइन (डाउड) के दोनों सर्किटों का लिंग	नंबाई: 85 किमी

टिप्पणी:

- 1) उक्तवर्णित लाइनों की नंबाईयां अनुमानित हैं क्योंकि सटीक नंबाई विस्तृत सर्वेक्षण के बाद प्राप्त की जाएगी।
- 2) सीमराना-III राजस्थान पर गैर सर्किट स्तर को सीमित करने के लिए 400 केवी स्तर पर उपयुक्त मेकथन लाइनेशन का प्रावधान रखा जाएगा।
- 3) राजस्थान की कोटपुतनी राजस्थान पर 400 केवी की 2 लाइन वे के लिए स्थान उपलब्ध करना है।
- 4) इस पैकेज का कार्यान्वयन पैकेज 'क' के अनुरूप आरंभ किया जाएगा।

कार्यान्वयन समय-सीमा: राफेल बोनीदाना की एलपीवी के अंतर्गत की भारी से 24 महीने।

3	<p>राजस्थान वारडरिड केज-IV (भाग-1) (बीकानेर कॉम्प्लेक्स) - से विद्युत की निष्कासी के लिए परीक्षण प्रणाली - भाग-1</p> <table border="1"> <thead> <tr> <th>क्र.सं.</th><th>परीक्षण स्कीम का कार्यक्षेत्र</th><th>समतादिकिमी</th></tr> </thead> <tbody> <tr> <td>1</td><td>प्रत्येक सर्किट के लिए प्रत्येक छोर पर 330 एमवीएआर स्विचिंग लाइन रिप्लेस-1 प्रति बीकानेर-III - सीमराना-III 765 केवी डी/सी लाइन (द्वितीय)</td><td> <p>नंबाई: 350 किमी</p> <ul style="list-style-type: none"> • बीकानेर-III पाणस पर 765 केवी, 330 एमवीएआर स्विचिंग लाइन रिप्लेस-2 • सीमराना-III पर 765 केवी, 330 एमवीएआर स्विचिंग लाइन रिप्लेस-2 • बीकानेर-III पाणस पर 765 केवी 330 एमवीएआर स्विचिंग लाइन रिप्लेसों के लिए स्विचिंग उपकरण-2 • सीमराना-III राजस्थान पर 765 केवी 330 एमवीएआर स्विचिंग लाइन रिप्लेसों के लिए स्विचिंग उपकरण-2 </td></tr> <tr> <td>2</td><td>बीकानेर-III पाणस और सीमराना-III राजस्थान, प्रत्येक पर 765 केवी लाइन वे 2</td><td>765 केवी लाइन वे-4 (बीकानेर-III) पाणस और सीमराना-III राजस्थान पर प्रत्येक के लिए 2)</td></tr> </tbody> </table>		क्र.सं.	परीक्षण स्कीम का कार्यक्षेत्र	समतादिकिमी	1	प्रत्येक सर्किट के लिए प्रत्येक छोर पर 330 एमवीएआर स्विचिंग लाइन रिप्लेस-1 प्रति बीकानेर-III - सीमराना-III 765 केवी डी/सी लाइन (द्वितीय)	<p>नंबाई: 350 किमी</p> <ul style="list-style-type: none"> • बीकानेर-III पाणस पर 765 केवी, 330 एमवीएआर स्विचिंग लाइन रिप्लेस-2 • सीमराना-III पर 765 केवी, 330 एमवीएआर स्विचिंग लाइन रिप्लेस-2 • बीकानेर-III पाणस पर 765 केवी 330 एमवीएआर स्विचिंग लाइन रिप्लेसों के लिए स्विचिंग उपकरण-2 • सीमराना-III राजस्थान पर 765 केवी 330 एमवीएआर स्विचिंग लाइन रिप्लेसों के लिए स्विचिंग उपकरण-2 	2	बीकानेर-III पाणस और सीमराना-III राजस्थान, प्रत्येक पर 765 केवी लाइन वे 2	765 केवी लाइन वे-4 (बीकानेर-III) पाणस और सीमराना-III राजस्थान पर प्रत्येक के लिए 2)	पीएफसी कंसल्टिंग लिमिटेड
क्र.सं.	परीक्षण स्कीम का कार्यक्षेत्र	समतादिकिमी										
1	प्रत्येक सर्किट के लिए प्रत्येक छोर पर 330 एमवीएआर स्विचिंग लाइन रिप्लेस-1 प्रति बीकानेर-III - सीमराना-III 765 केवी डी/सी लाइन (द्वितीय)	<p>नंबाई: 350 किमी</p> <ul style="list-style-type: none"> • बीकानेर-III पाणस पर 765 केवी, 330 एमवीएआर स्विचिंग लाइन रिप्लेस-2 • सीमराना-III पर 765 केवी, 330 एमवीएआर स्विचिंग लाइन रिप्लेस-2 • बीकानेर-III पाणस पर 765 केवी 330 एमवीएआर स्विचिंग लाइन रिप्लेसों के लिए स्विचिंग उपकरण-2 • सीमराना-III राजस्थान पर 765 केवी 330 एमवीएआर स्विचिंग लाइन रिप्लेसों के लिए स्विचिंग उपकरण-2 										
2	बीकानेर-III पाणस और सीमराना-III राजस्थान, प्रत्येक पर 765 केवी लाइन वे 2	765 केवी लाइन वे-4 (बीकानेर-III) पाणस और सीमराना-III राजस्थान पर प्रत्येक के लिए 2)										

	<p>टिप्पणी:</p> <ol style="list-style-type: none"> 1. उत्तर्जित लाइनों की लंबाईयां अनुमानित हैं क्योंकि सटीक लंबाई विस्तृत सर्वेक्षण के बाद प्राप्त की जाएगी। 2. बीकानेर-II पीएम तथा नीमराता-II सबस्टेशन के विकासकर्ता को बीकानेर-III-नीमराता-II 765 केवी डी/वी लाइन (द्वितीय) के समापन के लिए बीकानेर-III पीएम तथा नीमराता-II सबस्टेशन पर प्रत्येक के लिए स्विचेवबल लाइन रिपेक्टर के लिए स्थानसहित 765 केवी की 2 लाइन से के लिए स्थान उपलब्ध कराना है। <p>कार्यान्वयन समय-सीमा: मकल जोखिमना को एम्पीवी के अंतरण की तारीख से 24 महीने।</p>										
4	<p>राजस्थान पावरग्रिड फैज-IV (भाग-1) (बीकानेर कॉम्प्लेक्स)- से विद्युत की बिकासी के लिए पारेषण प्रणाली - भाग-घ</p> <table border="1"> <thead> <tr> <th>क्र.सं.</th><th>पारेषण स्कीम का कार्यक्षेत्र</th><th>अवधि/किमी</th></tr> </thead> <tbody> <tr> <td>1</td><td>प्रत्येक मार्किट के लिए प्रत्येक घंटे पर 330 एम्पीएआर स्विचेवबल लाइन रिपेक्टर सहित नीमराता-II- बरेली (पीवी) 765 केवी डी/वी लाइन</td><td>लंबाई: 350 किमी <ul style="list-style-type: none"> • नीमराता-II सबस्टेशन पर 765 केवी, 330 एम्पीएआर स्विचेवबल लाइन रिपेक्टर-2 • बरेली (पीवी) पर 765 केवी, 330 एम्पीएआर स्विचेवबल लाइन रिपेक्टर-2 • नीमराता-II सबस्टेशन पर 765 केवी 330 एम्पीएआर स्विचेवबल लाइन रिपेक्टरों के लिए स्विचिंग उपकरण-2 • बरेली (पीवी) सबस्टेशन पर 765 केवी 330 एम्पीएआर स्विचेवबल लाइन रिपेक्टरों के लिए स्विचिंग उपकरण-2 </td></tr> <tr> <td>2</td><td>नीमराता-द्वितीय और बरेली (पीवी) सबस्टेशन पर प्रत्येक के लिए 765 केवी लाइन से 2</td><td>765 केवी लाइन से- 4 (नीमराता-द्वितीय और बरेली (पीवी) सबस्टेशन पर प्रत्येक के लिए 2)</td></tr> </tbody> </table> <p>टिप्पणी:</p> <ol style="list-style-type: none"> 1. इस पैकेज का कार्यान्वयन पैकेज 'ग' के अन्तर्गत शुरू किया जाएगा। 2. उत्तर्जित लाइनों की लंबाईयां अनुमानित हैं क्योंकि सटीक लंबाई विस्तृत सर्वेक्षण के बाद प्राप्त की जाएगी। 3. नीमराता-II सबस्टेशन के विकासकर्ता को नीमराता-II- बरेली (पीवी) 765 केवी डी/वी लाइन के समापन के लिए नीमराता-II सबस्टेशन पर स्विचेवबल लाइन रिपेक्टर के लिए स्थानसहित 765 केवी की 2 लाइन से के लिए स्थान उपलब्ध कराना है। 4. पावरग्रिड को बरेली (पीवी) सबस्टेशन पर स्विचेवबल लाइन रिपेक्टर के लिए स्थान सहित 765 केवी की 2 लाइन से के लिए स्थान उपलब्ध कराना है। <p>कार्यान्वयन समय-सीमा: मकल जोखिमना को एम्पीवी के हस्तांतरण की तारीख से 24 महीने।</p>	क्र.सं.	पारेषण स्कीम का कार्यक्षेत्र	अवधि/किमी	1	प्रत्येक मार्किट के लिए प्रत्येक घंटे पर 330 एम्पीएआर स्विचेवबल लाइन रिपेक्टर सहित नीमराता-II- बरेली (पीवी) 765 केवी डी/वी लाइन	लंबाई: 350 किमी <ul style="list-style-type: none"> • नीमराता-II सबस्टेशन पर 765 केवी, 330 एम्पीएआर स्विचेवबल लाइन रिपेक्टर-2 • बरेली (पीवी) पर 765 केवी, 330 एम्पीएआर स्विचेवबल लाइन रिपेक्टर-2 • नीमराता-II सबस्टेशन पर 765 केवी 330 एम्पीएआर स्विचेवबल लाइन रिपेक्टरों के लिए स्विचिंग उपकरण-2 • बरेली (पीवी) सबस्टेशन पर 765 केवी 330 एम्पीएआर स्विचेवबल लाइन रिपेक्टरों के लिए स्विचिंग उपकरण-2 	2	नीमराता-द्वितीय और बरेली (पीवी) सबस्टेशन पर प्रत्येक के लिए 765 केवी लाइन से 2	765 केवी लाइन से- 4 (नीमराता-द्वितीय और बरेली (पीवी) सबस्टेशन पर प्रत्येक के लिए 2)	<p>पीएफटी कंसल्टिंग लिमिटेड</p>
क्र.सं.	पारेषण स्कीम का कार्यक्षेत्र	अवधि/किमी									
1	प्रत्येक मार्किट के लिए प्रत्येक घंटे पर 330 एम्पीएआर स्विचेवबल लाइन रिपेक्टर सहित नीमराता-II- बरेली (पीवी) 765 केवी डी/वी लाइन	लंबाई: 350 किमी <ul style="list-style-type: none"> • नीमराता-II सबस्टेशन पर 765 केवी, 330 एम्पीएआर स्विचेवबल लाइन रिपेक्टर-2 • बरेली (पीवी) पर 765 केवी, 330 एम्पीएआर स्विचेवबल लाइन रिपेक्टर-2 • नीमराता-II सबस्टेशन पर 765 केवी 330 एम्पीएआर स्विचेवबल लाइन रिपेक्टरों के लिए स्विचिंग उपकरण-2 • बरेली (पीवी) सबस्टेशन पर 765 केवी 330 एम्पीएआर स्विचेवबल लाइन रिपेक्टरों के लिए स्विचिंग उपकरण-2 									
2	नीमराता-द्वितीय और बरेली (पीवी) सबस्टेशन पर प्रत्येक के लिए 765 केवी लाइन से 2	765 केवी लाइन से- 4 (नीमराता-द्वितीय और बरेली (पीवी) सबस्टेशन पर प्रत्येक के लिए 2)									

क्र.सं.	परिचय स्कीम का कार्यक्षेत्र	क्षमता/किमी	आरटीसी पावर इक्विपमेंट एवं कंसल्टेंसी लिमिटेड
1	भादवा-3 मच:स्टेशन के निकट किसी उपयुक्त स्थान पर 6000 मेगावाट, ± 800 केवी भादवा (एचवीटीसी) [एचवीटीसी] टर्मिनल स्टेशन (4x1500 मेगावाट) की स्थापना	<ul style="list-style-type: none"> एचवीटीसी टर्मिनल को आनुपातिक विद्युत की विभिन्न आपूर्ति के लिए 400/33 केवी, 2x50 एमवीए ट्रांसफार्मर। भादवा (एचवीटीसी) स्टेशन पर 400 केवी वन सेक्शननाइजर-2 (1 सेट) 	
2	फतेहपुर (एपी) के निकट किसी उपयुक्त स्थान पर 6000 मेगावाट, ± 800 केवी फतेहपुर (एचवीटीसी) [एचवीटीसी] टर्मिनल स्टेशन (4x1500 मेगावाट) की स्थापना		
3	भादवा-3 - भादवा (एचवीटीसी) 400 केवी 2xटी/सी ट्रांस मून लाइन के साथ-साथ दोनों सबस्टेशनों पर लाइन वे	<ul style="list-style-type: none"> लाइन की लंबाई- 2 किमी 400 केवी लाइन वे-8 	
4	भादवा (एचवीटीसी) और फतेहपुर (एचवीटीसी) के बीच ± 800 केवी एचवीटीसी लाइन (डिफेंस पैपरिंग) डिस्ट्रिब्यूट मैटेरियल गिटन के साथ)	<ul style="list-style-type: none"> लाइन की लंबाई- 950 किमी 	
5	फतेहपुर (एचवीटीसी) से 2x330 एमवीएआर (765केवी) वन रिपल्डर के साथ 5x1500 एमवीए, 765/400 केवी आर्टसीटी की स्थापना भावी प्रावधान:लिखितलिखित के लिए स्थान- <ul style="list-style-type: none"> वे सहित 765/400 केवी आर्टसीटी 1 स्विचेबल भाटन रिपल्डर सहित 765 केवी लाइन वे: 4 वे सहित 765 केवी वन रिपल्डर: 2 वे सहित 400/220 केवी आर्टसीटी 1 स्विचेबल लाइन रिपल्डर सहित 400 केवी लाइन वे: 4 वे सहित 400 केवी वन रिपल्डर 1 220 केवी लाइन वे: 6 	<ul style="list-style-type: none"> 765/400 केवी 1500 एमवीए आर्टसीटी: 5 (16x500 एमवीए, एक अतिरिक्त इकाई सहित) 765 केवी आर्टसीटी वे- 5 400 केवी आर्टसीटी वे- 6 400 केवी वन सेक्शननाइजर-2 (1 सेट) 765 केवी लाइन वे-4 330 एमवीएआर, 765 केवी वन रिपल्डर-2 (7x110 एमवीएआर, एक अतिरिक्त इकाई सहित) 765 केवी रिपल्डर वे-2 	
6	फतेहपुर से 765 केवी दायालमी-		

	कानपुर (बीआइएम) टी/सी लाइन के दोनों तरफि ३५ पीसी - (30 मिमी)।	
<p>टिप्पणी:</p> <ol style="list-style-type: none"> 1. बदला-III मच/स्टेशन के विकासकर्ता को अपने सबस्टेशन पर 400 केवी के 4 बे के लिए स्वतः उपलब्ध करना है। 2. उक्त वर्णित लाइनों की मच/ईया अनुमानित है क्योंकि नदीक लंबाई विद्युत सर्वेक्षण के बाद प्राप्त की जाएगी। <p>कार्यान्वयन समय-सीमा: सकल बोलीदाता को एसपीवी के हस्तांतरण की तारीख से 42 महीने।</p>		

2. केवी-वोल्टेज समन्वयकों की विधुकि इस संकेत में विद्युत मन्त्रालय द्वारा, समय-समय पर तथा संशोधित विधा-निर्देशों में विधायित शर्तों के अधीन है।

[फा. सं. 15/3/2018-ट्रांस-भारत(1)]

मोहम्मद अफजल, संपुन मन्त्रि (ट्रांस)

NOTIFICATION

New Delhi, the 13th January 2023

S.O. 235(F).—In exercise of the powers conferred by sub-para 3.2 of Para 3 of the Guidelines circulated under Section 85 of the Electricity Act, 2003 (no. 36 of 2003), the Central Government hereby appoints the following Bid Process Coordinators (BPCs) for the Transmission Schemes, as shown against the name of the Transmission Schemes:-

Sl. No.	Name & Scope of the Transmission Scheme	Bid Process Coordinator						
1	<p>Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-I) (Bikaner Complex)- Part-A</p> <p>Scope:</p> <table border="1"> <thead> <tr> <th>Sl. No.</th><th>Scope of Transmission Scheme</th><th>Capacity /km</th></tr> </thead> <tbody> <tr> <td>1</td><td> <p>Establishment of 8x1500 MVA (along with one spare unit of 500 MVA), 765/400 kV & 8x5.0 MVA 400/220 kV Bikaner-III Pooling Station along with 2x330 MVA (765kV) Bus Reactor (along with one spare unit of 110 MVA) & 2x125 MVA (420kV) Bus Reactor at a suitable location near Bikaner</p> <p>Future provisions: Space for</p> <ul style="list-style-type: none"> • 765 kV line bays along with switchable line reactors - 6 nos. • 765kV Bus Reactor along with bay - 1 no. • 400 kV line bays along with switchable line reactor - 4 nos. • 400 kV line bays - 4 nos. • 100/220kV ICT along with bays - 5 nos. • 400 kV Bus Reactor along with </td><td> <ul style="list-style-type: none"> • 765/400kV 1500 MVA B. Tr. 6 nos (19x500 MVA including one spare unit) • 765kV ICT bays - 6 nos. • 765kV line bays- 2 nos. • 330 MVA Bus Reactor-2 nos (7x 10 MVA, including one spare unit) • 765kV reactor bays- 2 nos. • 400/220 kV, 500 MVA ICTs - 5 nos • 400 kV ICT bays - 11 nos • 420 kV reactor bays - 2 nos • 125 MVA, 420kV bus reactor - 2 nos • 400 kV line bays - 6 nos (4 nos. for LILU of Bikaner-Bikaner-II D/c line & 2 nos. for Bikaner II D/c line) • 220 kV ICT bays - 5 nos. </td></tr> </tbody> </table>	Sl. No.	Scope of Transmission Scheme	Capacity /km	1	<p>Establishment of 8x1500 MVA (along with one spare unit of 500 MVA), 765/400 kV & 8x5.0 MVA 400/220 kV Bikaner-III Pooling Station along with 2x330 MVA (765kV) Bus Reactor (along with one spare unit of 110 MVA) & 2x125 MVA (420kV) Bus Reactor at a suitable location near Bikaner</p> <p>Future provisions: Space for</p> <ul style="list-style-type: none"> • 765 kV line bays along with switchable line reactors - 6 nos. • 765kV Bus Reactor along with bay - 1 no. • 400 kV line bays along with switchable line reactor - 4 nos. • 400 kV line bays - 4 nos. • 100/220kV ICT along with bays - 5 nos. • 400 kV Bus Reactor along with 	<ul style="list-style-type: none"> • 765/400kV 1500 MVA B. Tr. 6 nos (19x500 MVA including one spare unit) • 765kV ICT bays - 6 nos. • 765kV line bays- 2 nos. • 330 MVA Bus Reactor-2 nos (7x 10 MVA, including one spare unit) • 765kV reactor bays- 2 nos. • 400/220 kV, 500 MVA ICTs - 5 nos • 400 kV ICT bays - 11 nos • 420 kV reactor bays - 2 nos • 125 MVA, 420kV bus reactor - 2 nos • 400 kV line bays - 6 nos (4 nos. for LILU of Bikaner-Bikaner-II D/c line & 2 nos. for Bikaner II D/c line) • 220 kV ICT bays - 5 nos. 	PFC Consulting Ltd.
Sl. No.	Scope of Transmission Scheme	Capacity /km						
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		<ul style="list-style-type: none"> bay, 1 no. 400kV Sectionalization bay: 2 sets 220 kV line bays for connectivity of RE Applications - 8 nos. 220kV Sectionalization bay: 2 sets 220 kV BC (2 no.) and 220 kV TBC (2 no.) STATCOM (2x=300MVA) along with MSC (4x125 MVA) & MSR (2x125 MVA) 	<ul style="list-style-type: none"> 220 kV line bays - 6 nos (for RE connectivity) 220kV BC (2 no.) and 220 kV TBC (2 no.) 220kV Sectionalization bay: 1 set 	
2	L.I.O. of both ends of 400kV Bikaner (PG)-Bikaner-II D/c line/Quad) at Bikaner-II PS	Length: 20 km		
3	Bikaner-II PS - Bikaner-III PS 400 kV D/c line (Quad)	Length: 30 km		
4	2 no. of 400 kV line bays at Bikaner-II	400 kV line bays - 2 nos.		
5	Bikaner-III - Neemrana-II 765 kV D/c line along with 330 MVA switchable line reactor for each circuit at each end	Length: 350 km	<ul style="list-style-type: none"> 765 kV, 330 MVA switchable line reactors at Bikaner-III PS - 2 nos. 765 kV, 330 MVA Switchable line reactors at Neemrana-II S/s - 2 nos. Switching equipment for 765kV 330 MVA switchable line reactors at Bikaner-III PS - 2 nos. Switching equipment for 765kV 330 MVA switchable line reactors at Neemrana-II S/s - 2 nos. 	
6	2 no. of 765 kV line bays at Neemrana-II S/s	765 kV line bays at Neemrana-II S/s - 2nos		
<p>Note:</p> <ol style="list-style-type: none"> The line lengths mentioned above are approximate as the exact length shall be obtained after the detailed survey. POWERGRID to provide space for 2 nos. of 400 kV line bays at Bikaner-II PS. Developer of Neemrana-II S/s to provide space for 2 nos. of 765 kV line bays alongwith space for Switchable line reactor at Neemrana-II S/s for termination of Bikaner-III - Neemrana-II 765 kV D/c line. Provision of suitable sectionalization shall be kept at Bikaner-III PS at 400kV & 220kV level to limit short circuit level. <p>Implementation timeframe: 24 months from the date of transfer of SPV to the successful bidder.</p>				
2	Transmission system for evacuation of power from Rajasthan REZ Pil-IV (Part-1) (Bikaner Complex)- Part-B			PFC Consulting Ltd.
	Sl. No.	Scope of Transmission Scheme	Capacity /km	
	1	Establishment of 765/400 kV, 4x1500 MVA (along with one spare unit of 500MVA)	765/400kV 1500 MVA ICTs - 4 nos (13x500 MVA including one spare unit)	

	<p>Neemrana-II S/S along with 2x320 MVA/ (765kV) Bus Reactor (along with one spare unit of 130 MVA/ & 2x125 MVA/ (420kV) Bus Reactor at a suitable location near Neemrana</p> <p>Future provisions: Space for</p> <ul style="list-style-type: none">• 765.480kV ICT along with bays - 2• 765 kV line bays along with switchable line reactors - 12• 765kV Bus Reactor along with bay - 1 nos• 400 kV line bays along with switchable line reactor - 6• 400 kV Bus Reactor along with bays - 1 no.• 400kV Sectionalization bay - 2 sets	<ul style="list-style-type: none">• 330 MVA/ Bus Reactor - 2 nos (7x110 MVA/ including one spare unit)• 765kV reactor bays - 2 nos.• 125 MVA/ 420kV bus reactor - 2 nos• 420 kV reactor bays - 2 nos.• 765kV ICT bays - 4 nos• 400 kV ICT bays - 4 nos• 400 kV line bays - 6 nos (4 nos. for LFO of Gurgaon -Sohna Road D/c line & 2 nos. for Kotputli D/c line)							
2	Neemrana-II -Kotputli 400 kV line (Quad)	Length: 70 km							
3	2 nos. of 400 kV line bays at Kotputli	400 kV line bays at Kotputli - 2 nos.							
4	LFO of both ends of 400 kV Gurgaon (PG) - Sohna Road (GPRL) D/c line (Quad) at Neemrana-II S/S	Length: 85 km							
<p>Note:</p> <ol style="list-style-type: none">1) The line lengths mentioned above are approximate as the exact length shall be obtained after the detailed survey.2) Provision of suitable sectionalization shall be kept at Neemrana-II S/S at 400kV level to limit short circuit level.3) POWERGRID to provide space for 2 nos. of 400kV line bays at Kotputli S/S4) The implementation of package shall be taken up matching with Package A. <p>Implementation timeframe: 24 months from the date of transfer of SPV to the successful bidder</p>									
1	Transmission system for evacuation of power from Rajasthan REZ Pl-IV (Part-I) (Bikaner Complex)- Part-C		PFC Consulting Ltd.						
	<table><tr><th>Sl.No.</th><th>Scope of Transmission Scheme</th><th>Capacity (km)</th></tr><tr><td>1</td><td>Bikaner-III - Neemrana-II 765 kV D/c line (2nd) along with 330 MVA/ switchable line reactor for each circuit at each end</td><td>Length: 130 km<ul style="list-style-type: none">• 765 kV, 330 MVA/ Switchable line reactors at Bikaner-III PS - 2 nos• 765 kV, 330 MVA/ Switchable line reactors at Neemrana-II - 2 nos.• Switching equipment for 765 kV 330 MVA/ switchable line reactors at Bikaner-III PS - 2 nos• Switching equipment for 765 kV</td></tr></table>	Sl.No.	Scope of Transmission Scheme	Capacity (km)	1	Bikaner-III - Neemrana-II 765 kV D/c line (2 nd) along with 330 MVA/ switchable line reactor for each circuit at each end	Length: 130 km <ul style="list-style-type: none">• 765 kV, 330 MVA/ Switchable line reactors at Bikaner-III PS - 2 nos• 765 kV, 330 MVA/ Switchable line reactors at Neemrana-II - 2 nos.• Switching equipment for 765 kV 330 MVA/ switchable line reactors at Bikaner-III PS - 2 nos• Switching equipment for 765 kV		
Sl.No.	Scope of Transmission Scheme	Capacity (km)							
1	Bikaner-III - Neemrana-II 765 kV D/c line (2 nd) along with 330 MVA/ switchable line reactor for each circuit at each end	Length: 130 km <ul style="list-style-type: none">• 765 kV, 330 MVA/ Switchable line reactors at Bikaner-III PS - 2 nos• 765 kV, 330 MVA/ Switchable line reactors at Neemrana-II - 2 nos.• Switching equipment for 765 kV 330 MVA/ switchable line reactors at Bikaner-III PS - 2 nos• Switching equipment for 765 kV							

			330 MVAr switchable line reactors at Neemrana-II S/s - 2 nos.										
	2	2 no. of 765 kV line bays each at Bikaner-III PS & Neemrana-II S/s	765kV line bays - 4 nos (2 nos each at Bikaner-III PS & Neemrana-II S/s)										
Note: 1. The line lengths mentioned above are approximate as the exact length shall be obtained after the detailed survey. 2. Developer of Bikaner-III PS & Neemrana-II S/s to provide space for 2 nos. of 765 kV line bays alongwith space for Switchable line reactor each at Bikaner-III PS & Neemrana-II S/s for termination of Bikaner-III - Neemrana-II 765 kV D/c line (2 nd). Implementation timeframe: 24 months from the date of transfer of SPV to the successful bidder.													
4	Transmission system for evacuation of power from Rajasthan REZ, Ph-IV (Part-1) (Bikaner Complex)- Part-D			PFC Consulting Ltd.									
	<table><tr><th>Sl.No.</th><th>Scope of Transmission Scheme</th><th>Capacity /km</th></tr><tr><td>1</td><td>Neemrana-II- Bareilly (PG) 765 kV D/c line along with 330 MVAr switchable line reactor for each circuit at each end</td><td>Length 350 km • 765 kV, 330 MVAr switchable line reactors at Neemrana-II S/s - 2 nos. • 765 kV, 330 MVAr Switchable line reactors at Bareilly(PG) - 2 nos. • Switching equipment for 765kV 330 MVAr switchable line reactors at Neemrana-II S/s - 2 nos. • Switching equipment for 765kV 330 MVAr switchable line reactors at Bareilly(PG) S/s - 2 nos.</td></tr><tr><td>2</td><td>2 no. of 765 kV line bays each at Neemrana-II & Bareilly (PG) S/s</td><td>765kV line bays - 4 nos (2 nos each at Neemrana-II & Bareilly (PG) S/s)</td></tr></table>				Sl.No.	Scope of Transmission Scheme	Capacity /km	1	Neemrana-II- Bareilly (PG) 765 kV D/c line along with 330 MVAr switchable line reactor for each circuit at each end	Length 350 km • 765 kV, 330 MVAr switchable line reactors at Neemrana-II S/s - 2 nos. • 765 kV, 330 MVAr Switchable line reactors at Bareilly(PG) - 2 nos. • Switching equipment for 765kV 330 MVAr switchable line reactors at Neemrana-II S/s - 2 nos. • Switching equipment for 765kV 330 MVAr switchable line reactors at Bareilly(PG) S/s - 2 nos.	2	2 no. of 765 kV line bays each at Neemrana-II & Bareilly (PG) S/s	765kV line bays - 4 nos (2 nos each at Neemrana-II & Bareilly (PG) S/s)
Sl.No.	Scope of Transmission Scheme	Capacity /km											
1	Neemrana-II- Bareilly (PG) 765 kV D/c line along with 330 MVAr switchable line reactor for each circuit at each end	Length 350 km • 765 kV, 330 MVAr switchable line reactors at Neemrana-II S/s - 2 nos. • 765 kV, 330 MVAr Switchable line reactors at Bareilly(PG) - 2 nos. • Switching equipment for 765kV 330 MVAr switchable line reactors at Neemrana-II S/s - 2 nos. • Switching equipment for 765kV 330 MVAr switchable line reactors at Bareilly(PG) S/s - 2 nos.											
2	2 no. of 765 kV line bays each at Neemrana-II & Bareilly (PG) S/s	765kV line bays - 4 nos (2 nos each at Neemrana-II & Bareilly (PG) S/s)											
Note: 1. The implementation of package shall be taken up matching with Package C 2. The line lengths mentioned above are approximate as the exact length shall be obtained after the detailed survey. 3. Developer of Neemrana II S/s to provide space for 2 nos. of 765 kV line bays along with space for Switchable line reactor at Neemrana-II S/s for termination of Neemrana-II- Bareilly (PG) 765 kV D/c line 4. POWERGRID to provide space for 2 nos. of 765 kV line bays alongwith space for Switchable line reactor at Bareilly (PG) S/s Implementation timeframe: 24 months from the date of transfer of SPV to the successful bidder.													
5	Transmission system for evacuation of power from REZ in Rajasthan (20 GW) under Phase-III Part I			REC Power Development and Consultancy Limited									
	<table><tr><th>Sl.No.</th><th>Scope of Transmission Scheme</th><th>Capacity /km</th></tr></table>				Sl.No.	Scope of Transmission Scheme	Capacity /km						
Sl.No.	Scope of Transmission Scheme	Capacity /km											

	1	Establishment of 6000 MW, ± 800 kV Bhadla (HVDC) (LCC) terminal station (4x1500 MW) at a suitable location near Bhadla-I substation	<ul style="list-style-type: none"> • 400/50 kV, 2x50 MVA transformers for exclusively supplying auxiliary power to HVDC terminal. • 400kV bus sectionaliser -2 nos (1 Set) at Bhadla (HVDC) station.
	2	Establishment of 6000 MW, ±800 kV Fatehpur (HVDC) (LCC) terminal station (4x1500 MW) at suitable location near Fatehpur (UP)	
	3	Bhadla-I - Bhadla (HVDC)-400 kV 2xDec quad infeed line along with the line bays at both substations	<ul style="list-style-type: none"> • Line length- 2 km • 400 kV line bays -8 nos
	4	±800 kV HVDC line (Hexa lapwing) between Bhadla (HVDC) & Fatehpur (HVDC) (with Dedicated Metallic Return)	<ul style="list-style-type: none"> • Line length- 950 km
	5	Establishment of 5x1500 MVA 765/400 kV ICTs at Fatehpur (HVDC) along with 2x330 MVA/4765kV bus reactor	<ul style="list-style-type: none"> • 765/400kV 1500 MVA ICTs: 5 nos (15x900 MVA, including one spare unit) • 765 kV ICT bays - 5 nos. • 400 kV ICT bays - 5 nos. • 400 kV Bus sectionaliser-2 nos (1 Set) • 765 kV line bays - 4 nos. • 330 MVA, 765kV Bus Reactor -2 nos (7x110 MVA, including one spare unit) • 765 kV reactor bays- 2 nos.
	6	LILO of both ckt. of 765 kV Varanasi - Kimpur (GIS) Dec line at Fatehpur - (20 km)	

Note:

1. Developer of Bhadla-III SIs to provide space for 4 nos. of 400kV bays at their substation.
2. The line lengths mentioned above are approximate as the exact length shall be obtained after the detailed survey.

Implementation timeframe: 42 months from the date of transfer of SPV to the successful bidder

2. The appointment of the Bid-Process Coordinators is subject to the conditions laid down in the Guidelines issued by Ministry of Power in this regard, as amended from time to time.

(P. No. 153/2018-Trans-Pt(II))

MOHAMMAD AFZAL, Jt. Secy. (Trans)



Annexure -3

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GOVERNMENT OF INDIA
MINISTRY OF CORPORATE AFFAIRS

Central Registration Centre

Certificate of Incorporation

[Pursuant to sub-section (2) of section 7 and sub-section (1) of section 8 of the Companies Act, 2013 (18 of 2013) and rule 18 of the Companies (Incorporation) Rules, 2014]

I hereby certify that NEEMRANA II KOTPUTLI TRANSMISSION LIMITED is incorporated on this NINETEENTH day of JUNE TWO THOUSAND TWENTY THREE under the Companies Act, 2013 (18 of 2013) and that the company is Company limited by shares

The Corporate Identity Number of the company is **U42201DL2023GOI415846**

The Permanent Account Number (PAN) of the company is **AAICN9461F***

The Tax Deduction and Collection Account Number (TAN) of the company is **DELN26680D***

Given under my hand at Manesar this NINETEENTH day of JUNE TWO THOUSAND TWENTY THREE

Invalid, Signature Corrupted.

Digitally signed by
DS MINISTRY OF CORPORATE
AFFAIRS 10
Date: 2023.06.19 19:37:52 IST

Vairamuthu Nagarajan

Assistant Registrar of Companies/ Deputy Registrar of Companies/ Registrar of Companies

For and on behalf of the Jurisdictional Registrar of Companies

Registrar of Companies

Central Registration Centre

Disclaimer: This certificate only evidences incorporation of the company on the basis of documents and declarations of the applicant(s). This certificate is neither a license nor permission to conduct business or solicit deposits or funds from public. Permission of sector regulator is necessary wherever required. Registration status and other details of the company can be verified on mca.gov.in

Mailing Address as per record available in Registrar of Companies office:

NEEMRANA II KOTPUTLI TRANSMISSION LIMITED

Urjanidhi, First Floor, 1, Barakhamba Lane, Connaught Place, New Delhi, Central Delhi-110001, Delhi

*as issued by Income tax Department

Drusul

True Copy



Annexure -4 (Colly.)

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Form No. INC-33



Form language

☒ English ☐ Hindi

e-MOA (e-Memorandum of Association)
[Pursuant to Schedule I (see Sections 4 and 5) to
the Companies Act, 2013]

Refer instruction kit for filing the form

All fields marked in * are mandatory

* Table applicable to company as notified under schedule I of the Companies Act, 2013

- (A - MEMORANDUM OF ASSOCIATION OF A COMPANY LIMITED BY SHARES
B - MEMORANDUM OF ASSOCIATION OF A COMPANY LIMITED BY GUARANTEE AND NOT HAVING A SHARE CAPITAL
C - MEMORANDUM OF ASSOCIATION OF A COMPANY LIMITED BY GUARANTEE AND HAVING A SHARE CAPITAL
D - MEMORANDUM OF ASSOCIATION OF AN UNLIMITED COMPANY AND NOT HAVING SHARE CAPITAL
E - MEMORANDUM OF ASSOCIATION OF AN UNLIMITED COMPANY AND HAVING SHARE CAPITAL)

A - MEMORANDUM OF
ASSOCIATION OF A COMPANY
LIMITED BY SHARES

Table A/B/C/D/E

1 The name of the company is

NEEMRANA II KOTPUTLI
TRANSMISSION LIMITED

2 The registered office of the company will be situated in the State of

Delhi

3 (a) The objects to be pursued by the company on its incorporation are:

1. To develop Power System
Network

To plan, promote and develop an integrated and efficient power transmission system network in all its aspects including planning, investigation, research, design and engineering, preparation of preliminary, feasibility and definite project reports, construction, operation and maintenance of transmission lines, sub-stations, load dispatch stations and communication facilities and appurtenant works, coordination of integrated operation of state, regional and national grid system, execution of turn-key jobs for other utilities/organizations and wheeling of power in accordance with the policies, guidelines and objectives laid down by the Central Government from time to time.

2. To study, investigate, collect information and data

To study, investigate, collect

Disposal

True Copy

information and data, review operation, plan, research, design and prepare Report, diagnose operational difficulties and weaknesses and advise on the remedial measures to improve, undertake development of new and innovative product connected with business of the Company as well as modernize existing EHV, HV lines and Sub-Stations.

3. To act as Consultants/ Technical Advisers of public/ private sector enterprises etc.

To act as consultants, technical advisors, surveyors and providers of technical and other services to Public or Private Sector enterprises engaged in the planning, investigation, research, design and preparations of preliminary, feasibility and definite project reports, manufacture of power plant and equipment, construction, generation, operation and maintenance of power transmission system from power generating stations and projects, transmission, distribution and sale of power.

(b) *Matters which are necessary for furtherance of the objects specified in clause 3(a) are

1. To obtain authority etc. to carry out its objects

To obtain license, approvals and authorization from Governmental Statutory and Regulatory Authorities, as may be necessary to carry out and achieve the Objects of the Company and connected matters which may seem expedient to develop the business interests of the Company in India and abroad.

2. To obtain charters, concession etc.

To enter into any arrangement with the Government of India or with any State Government or with other authorities/ commissions, local bodies or

public sector or private sector undertakings, Power Utilities, Financial Institutions, Banks, International Funding Agencies and obtain such charters, subsidies, loans, advances or other money, grants, contracts, rights, sanctions, privileges, licenses or concessions whatsoever (whether statutory or otherwise) which the Company may think it desirable to obtain for carrying its activities in furthering the interests of the Company or its members.

3. To enter into Implementation/ Construction Agreement

To enter into any agreement, contract or any arrangement for the implementation of the power generation, evacuation, transmission and distribution system and network with Power/ Transmission Utilities, State Electricity Boards, Vidyut Boards, Transmission Companies, Generation Companies, Licensees, Statutory bodies, other organizations (whether in Private, Public or Joint Sector Undertaking) and bulk consumers of power etc.

4. To carry on the business or purchasing, importing, exporting and trading power

To carry on the business or purchasing, importing, exporting and trading of power subject to the provisions of Electricity Act, 2003 and to supply electric power generated by other plants to distribution companies, trading companies, other generation companies and other Persons, and in this regard execute agreements with Central and State generating authorities, departments or companies, Independent Power Producers and other Persons.

5. To enter into Agreements; etc.

To secure the payments of money, receivables on transmission and distribution of

electricity and sale of fuel, as the case may be, to the State Electricity Boards, Vidyut Boards, Transmission Utilities, Generating Companies, Transmission Companies, Distribution Companies, State Governments, Licensees, statutory bodies, other organizations (whether in Private, Public or Joint Sector Undertaking) and bulk consumers of power etc. through Letter of Credits/ESCROW and other security documents.

6. To execute transmission service Agreements

To execute Transmission Service Agreements or other agreements for transmission of power to distribution, trading, and other companies, State Electricity Boards, State Utilities and any other organization and Persons.

7. To co-ordinate with Central Transmission Utility

To coordinate with the Central Transmission Utility for transmission of electricity under the provisions of Electricity Act 2003.

8. To borrow money

Subject to provisions of Sections 73, 179, 180 and other applicable provisions of the Companies Act, 2013 and subject to other laws or directives, if any, of SEBI/RBI, to borrow money in Indian rupees or foreign currencies and obtain foreign lines of credits/ grants/ aids etc. or to receive money or deposits from public for the purpose of the Company's business in such manner and on such terms and with such rights, privileges and obligations as the Company may think fit. The Company may issue bonds/ debentures whether secured or unsecured; bills of exchange, promissory notes or other securities, mortgage or charge on all or any of the immovable and movable properties, present or future and all or any of the

uncalled capital for the time being of the Company as the Company may deem fit and to repay, redeem or pay off any such securities or charges.

9. To lend money

To lend money on property or on mortgage of immovable properties or against Bank guarantee and to make advances of money against future supply of goods and services on such terms as the Directors may consider necessary and to invest money of the Company in such manner as the Directors may think fit and to sell, transfer or to deal with the same.

10. To acquire, own, lease or dispose off the property

To own, possess, acquire by purchase, lease or otherwise rights, title and interests in and to, exchange or hire real estate, equipment, Transmission lines, lands, buildings, apartments, plants, equipment, machinery, fuel blocks and hereditaments of any tenure or descriptions situated in India or abroad or any estate or interest therein and any right over or connected with land so situated and turn the same to account in any manner as may seem necessary or convenient for the purpose of business of the Company and to hold, improve, exploit, re-organize, manage, lease, sell, exchange or otherwise dispose of the whole or any part thereof.

11. To deal in Scrips/Govt. Securities

Subject to applicable provisions of law, to subscribe for, underwrite, or otherwise acquire, hold, dispose of and deal with the shares, stocks, debentures or other securities and titles of indebtedness or the right to participate in profits or other similar documents issued by any Government authority, Corporation or body or by any

company or body of persons and any option or right in respect thereof.

12. To create funds and appropriate profits

To create any depreciation fund, reserve fund, sinking fund, insurance fund, gratuity, provident fund or any other fund, for depreciation or for repairing, improving extending or maintaining any of the properties of the Company or for any other purposes whatsoever conducive to the interests of the Company.

13. To purchase or otherwise acquire companies

To acquire shares, stocks, debentures or securities of any company carrying on any business which this Company is entitled to carry on or acquisition of undertaking itself which may seem likely or calculated to promote or advance the interests of the Company and to sell or dispose of or transfer any such shares, stocks or securities and the acquired undertaking.

14. To enter into partnership Agreement or Merge / amalgamate

To enter into partnership or into any agreement for joint working, sharing or pooling profits, joint venture, amalgamation, union of interests, co-operation, reciprocal concessions or otherwise or amalgamate with any person or company carrying on or engaged in or about to carry on or engaged in any business or transaction in India or abroad which the Company is authorized to carry on or engage in any business undertaking having objects identical or similar to, as are being carried on by this Company.

15. To have agencies and branch offices in India and abroad

To establish and maintain agencies, branch offices and local agencies, to procure business in any part of India and world and to take such steps as may be necessary to give the Company such rights and privileges in any part of the world as deemed proper in the interest of the Company.

16. To promote institutions or other companies

To promote and undertake the formation of any institution or Company or subsidiary company or for any aforesaid objects intended to benefit the Company directly or indirectly and to coordinate, control and guide their activities.

17(a) To acquire know how and import-export of machinery and tools etc.

To negotiate and enter into agreements and contracts with domestic and foreign companies, persons or other organizations, banks and financial institutions, in relation to the business of the Company including that of technical know-how, import, export, purchase or sale of plant, machinery, equipment, tools, accessories and consumables, financial assistance and for carrying out all or any of the objects of the Company.

17(b) To negotiate and enter into agreements etc.

To negotiate and enter into agreements and contracts for execution of turnkey jobs, works, supplies and export of plant, machinery, tools and accessories etc.

18. To enter into contracts/ arrangements in connection with issue of shares/securities.

Upon and for the purpose of any issue of shares, debentures or any other securities of the

Company, to enter into agreement with intermediaries including brokers, managers of issue/commission agents and underwriters and to provide for the remuneration of such persons for their services by way of payment in cash or issue of shares, debentures or other securities of the Company or by granting options to take the same or in any other manner as permissible under the law.

19. To enter into contracts of indemnity and/or guarantee

To enter into contracts of indemnity and get guarantee and allocations for the business of the Company.

20. To arrange for Training and Development

To make arrangements for training of all categories of employees and to employ or otherwise engage experts, advisors, consultants etc. in the interest of achieving the Company's objects.

21. To promote conservation, protect environment, theft etc.

To promote conservation and protection of electricity from theft, safety of life and to protect environments including air, land and water etc.

22. To provide for welfare of employees

To pay and provide for the remuneration, amelioration and welfare of persons employed or formerly employed by the Company and their families providing for pension, allowances, bonuses, other payments or by creating for the purpose from time to time the Provident Fund, Gratuity and other Funds or Trusts. Further to undertake building or contributing to the building or houses, dwellings or chawls by

grants of money, or by helping persons employed by the Company to effect or maintain insurance on their lives by contributing to the payment of premium or otherwise and by providing or subscribing or contributing towards educational institutions, recreation, hospitals and dispensaries, medical and other assistance as the Company may deem fit.

23. To take Insurance

To ensure any rights, properties, undertakings, contracts, guarantees or obligations or profits of the Company of every nature and kind in any manner with any person, firm, association, institution or company.

24. To share the profits pay, dividends and provide bonus etc

To distribute among members of the Company dividend including bonus shares out of profits, accumulated profits or funds and resources of the Company in any manner permissible under law.

25. To institute and defend the legal proceedings

To institute, conduct, defend, compound or abandon any legal proceedings by or against the Company or its officers or otherwise concerning the affairs of the Company and also to compound and to allow time for payment or satisfaction of any debts or recovery due, claims or demands by or against the Company and to refer any claims or demands by or against the Company or any differences arising in execution of contracts to conciliation and arbitration and to observe, comply with and/or challenge any awards preliminary, interim or final made in any such arbitration.

26. To pay and subsequently write off preliminary expenses

To pay out of the funds of the Company all costs, charges, expenses and preliminary and incidental to the promotion, formation, establishment and registration of the Company or other expenses incurred in this regard.

27. To contribute and make donations

Subject to provisions of Companies Act, 2013 to contribute money or otherwise assist to charitable, benevolent, religious, scientific national, defense, public or other institutions or objects or purposes.

28. To open accounts in Banks

To open an account or accounts with any individual, firm or company or with any bank bankers or shrofs and to pay into and withdraw money from such account or accounts.

29. To accept gifts, donations etc.

To accept gifts, bequests, devises and donations from members and others and to make gifts to members and others of money, assets and properties of any kind.

30. To pursue the objects of the Company as principal, agents, trustee or in any other capacity

To carry out all or any of the objects of the company and do all or any of the above things in any part of the world and either as principal, agent, contractor or trustee or otherwise and either alone or in conjunction with others.

31. To enter into Contracts

To negotiate and/or enter into agreement and contract with individuals, companies,

corporations, foreign or Indian, for obtaining or providing technical, financial or any other assistance for carrying on all or any of the objects of the Company and also for the purpose of activating, research, development of projects on the basis of know-how and/or financial participation and for technical collaboration, and to acquire or provide necessary formulate and patent rights for furthering the objects of the company.

32. To contribute towards promotion of trade and industry

To aid pecuniary or otherwise, any association, body or movement having for its object the solution, settlement or surmounting of industrial or labour problems or trouble or the promotion of industry or trade.

33. To take all necessary steps for winding up of the company

Subject to the provisions of Companies Act, 2013 or any amendment or re-enactment thereof in the event of winding up to distribute among the members in specie any property of the Company or any proceeds of sale on disposal of any property in accordance with the provisions of the Act.

34. To do and perform all coincidental and ancillary acts for the attainment of its objects

To do all such other things as may be deemed incidental or conducive to the attainment of the above Objects or any of them and to carry on any business which may seem to the Company capable of being conveniently carried in connection with any of the Company's Objects or calculated directly or indirectly to enhance the value of or render profitable any of the Company's property or rights.

35. To take up studies and research experiments.

To establish, provide, maintain and conduct or otherwise subsidize research laboratories and experimental workshops for scientific, technical or researches, experiments and to undertake and carry on directly or in collaboration with other agencies scientific and technical research experiments and tests of all kinds and to process, improve and invent new products and their techniques of manufacture and to promote, encourage, reward in every manner studies and research, scientific and technical investigations and inventions of any kind that may be considered likely to assist, encourage and promote rapid advances in technology, economies, import substitution or any business which the Company is authorized to carry on.

36. To evolve scheme for restructuring or arrangement.

Subject to provisions of the Companies Act, 2013, to evolve scheme for restructuring or arrangement, to amalgamate or merge or to enter into partnership or into any consortium or arrangement for sharing of profits, union of interests, co-operation, joint venture with any Person or Persons, partnership firm/firms, or company or companies carrying on or engaged in any operation capable of being conducted so conveniently in co-operation with the business of the Company or to benefit the Company or to the activities for which the Company has been established.

37. To apply for purchase, or otherwise acquire.

To apply for purchase, or otherwise acquire any trademarks, patents, brevets,

inventions, licenses, concessions and the like, conferring any exclusive or nonexclusive or limited rights to use, or any secret or other information as to any invention which may be capable of being used for any of the purposes of the Company, or the acquisition of which may benefit the Company and to use, exercise, develop or grant licenses in respect of or otherwise turn to account the property, rights or information so acquired.

38. To sell, dispose or hive off an undertaking of the Company

To sell, dispose or hive off an undertaking of the Company or any part thereof for such consideration as the Company may think fit and in particular for shares, debentures or securities of any other association, corporation or company.

39. To sell, improve, manage, develop

To sell, improve, manage, develop, exchange, loan, lease or let, under-lease, sub - let, mortgage, dispose of, deal with in any manner, turn to account or otherwise deal with any rights or property of the Company.

40. To outsource parts of its activities

To outsource parts of its activities to achieve higher efficiencies and throughputs in the achievement of its business goals.

4 The liability of the member(s) is limited, and this liability is limited to the amount unpaid if any, on the shares held by them.

The liability of the member(s) is limited

The liability of the member(s) is Unlimited

5 Every member of the company undertakes to contribute:

(i) to the assets of the company in the event of its being wound up while he is a member, or within one year after he ceases to be a member, for payment of the debts and liabilities of the company or of such debts and liabilities as may have been contracted before he ceases to be a member; and

(ii) to the costs, charges and expenses of winding up (and for the adjustment of the rights of the contributories among

themselves), such amount as may be required, not exceeding * _____ rupees.

(iii) The share capital of the company is _____ rupees, divided into


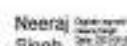

Equity Share	Shares of	10	Rupees each	,	10000
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6

☒ We, the several persons, whose names and address are subscribed, are desirous of being formed into a company in pursuance of this memorandum of association, and we respectively agree to take the number of shares in the capital of the company set against our respective names:

☐ I, whose name and address is given below, am desirous of forming a company in pursuance of this memorandum of association and agree to take all the shares in the capital of the company:

☐ We, the several persons, whose names and addresses are subscribed, are desirous of being formed into a company in pursuance of this memorandum of association:

Subscriber Details					
S. No.	*Name, Address, Description and Occupation	DIN / PAN / Passport number	No. of shares taken	DSC	Dated
1	MILIND MADHUSUDAN DAFADE, S/o Sh. MADHUSUDAN GURINATH DAFADE, Address: C-31, AISHWARYA M APPTT DWARKA, PLOT NO. 17, SECTOR 4, Delhi-110078 Description: As a Nominee of PFC CONSULTING LIMITED, Occupation: Service	09587967	100 Equity, 0 Preference	 MILIND MADHUSUDAN DAFADE 08/06/2023	08/06/2023
2	NEERAJ SINGH, S/o Sh. DAYASHANKAR SINGH, Address: C-703, F-2, THE CRESCENT APPARTMENT SEC-50 GAUTAM BUDDHA NAGAR, NOIDA Uttar Pradesh 201301 Description: As a Nominee of PFC CONSULTING LIMITED, Occupation: Service	08613892	100 Equity, 0 Preference	 Neeraj Singh 08/06/2023	08/06/2023
3	SACHIN SHUKLA, S/o Sh. RAJ KUMAR SHUKLA, Address: 4TH FLOOR, HOUSE NO. 6, H1 BLOCK, GOOD EARTH CITY CENTER, SOUTH CITY II Gurgaon Haryana 122018 South City Description: As a	08613963	100 Equity, 0 Preference	 Sachin Shukla 08/06/2023	08/06/2023

	Nominee of PFC CONSULTING LIMITED, Occupation: Service				
4	PFC CONSULTING LIMITED having its Registered Office at FIRST FLOOR, "URJANIDHI", 1, BARAKHAMBA LANE CONNAUGHT PLACE, New Delhi-110001 through Sh. SACHIN ARORA, S/o Sh. Prem Lal Arora, Address: F-5, 1903, SUPERTech, ECO VILLAGE, 1, NEAR PARK, GREATER NOIDA, Uttar Pradesh-201301 (as Authorised Signatory	AKGPA1434J	9400 Equity,0 Preference	SACHIN ARORA S/o Sh. Prem Lal Arora Date: 08/06/2023	08/06/2023
5	SANJAY KUMAR NAYAK, S/o Sh. JAGABANDHU NAYAK, Address: K 713, JALVAYU TOWER, SECTOR 56 GURGAON, Haryana- 122011 Description: As a Nominee of PFC CONSULTING LIMITED, Occupation: Service	08197193	100 Equity,0 Preference	Sanjay Kumar Nayak S/o Sh. Jagabandhu Nayak Date: 08/06/2023	08/06/2023
6	MANOJ KUMAR RANA, S/o Sh. SUBE SINGH, Address: A-32-E, DDA FLATS MUNIRKA NEW DELHI-110067 Description: As a Nominee of PFC CONSULTING LIMITED, Occupation: Service	02263302	100 Equity,0 Preference	Manoj Kumar Rana S/o Sh. Sube Singh Date: 08/06/2023	08/06/2023
7	DHARUMAN MANAVALAN, S/o Sh. PAMANDI CHINNIAN DHARUMAN, Address: A-703, SAHETA APARTMENT, PLOT NO. 30, DWARKA, SECTOR-4, SOUTH WEST DELHI- 110078 Description: As a Nominee of PFC CONSULTING LIMITED, Occupation: Service	08102722	100 Equity,0 Preference	D. Manavalan S/o Sh. Pamandi Chinnian Date: 08/06/2023	08/06/2023
Total shares taken			10000 Equity,0 Preference		
Signed before me					
Membership type of the witness (ACA/ICA/ACS/ICS/ACMA/ICMA)	*Name of the witness	*Address, Description and Occupation	DIN / PAN / Passport number / Membership number	DSC	Dated
ACS	Garima Grover	D-427, 2nd Floor, Ramphal Chowk, (Backside of Goyalsons) Palam Extn, Sector 7, Dwarka, New Delhi-110075 Occupation: Practicing Company Secretary	27100	GARIMA GROVER Date: 08/06/2023	08/06/2023

7 Shri / Smt

Of

resident of

aged

years shall be the nominee in the event of death of the sole member.

Form No. INC-34

e-AOA (e-Articles of Association)

[Pursuant to Section 5 of the Companies Act, 2013 and rules made thereunder read with Schedule I]



Form language

☒ English☐ Hindi

Refer instruction kit for filing the form.

All fields marked in * are mandatory

Table applicable to company as notified under schedule I of the Companies Act, 2013
(F, G, H)

Table F / G / H (basis on the selection of above-mentioned field) as notified under schedule I of the companies Act, 2013 is applicable to

F - a company limited by shares

G - a company limited by guarantee and having a share capital

H - a company limited by guarantee and not having share capital

The name of the company is

F
F - A COMPANY LIMITED BY SHARES
NEEMRANA II KOTPUTLI TRANSMISSION LIMITED

Check if not applicable	Check if altered	Article No.	Description
			<i>Interpretation</i>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	I	
			<i>Share Capital and Variation of rights</i>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	II 1	<ul style="list-style-type: none"> 1.1 Share Capital / Increase of capital by the Company and how carried into effect? The Authorized Share Capital of the Company is as mentioned in clause V of the Memorandum of Association of the Company. The Company in General Meeting may from time to time, by resolution, increase its authorized share capital by creation of new shares, such increase to be of such aggregate amount and to be divided into shares of such respective amounts as may be determined by the General Meeting subject to the provisions of the Act. 1.2 New Capital same as existing capital? Any capital raised by the creation of new shares shall be considered as part of the original capital, and shall be subject to the same provisions herein contained, with reference to the payment of calls and installments, forfeiture, lien, surrender, transfer and transmission, voting and otherwise. 1.3 Reduction of Capital? The Company may, from time to time, by special resolution reduce its capital, which may be paid off either with or without extinguishing or reducing liability on shares, which is in excess of the wants of the company or canceling such share capital which has been lost or is unrepresented by available assets. 1.4 Subdivision and consolidation of shares? The

			Company in general meeting may, from time to time, sub-divide or consolidate its shares or any of them and exercise any of the other powers conferred by Section 61 of the Act and shall file with the Registrar such notice of exercise of any such powers as may be required by the Act.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	2	<ul style="list-style-type: none"> 2.1 Register and Index of Members/ Beneficial owners ? The Company shall cause to be kept a Register and also an Index of Members and Debenture-holders in accordance with Sections 88 of the Act. Further, as permissible under Section 88 of the Act, the register and Index of beneficial owners maintained by a ? Depository? shall be deemed to be the corresponding Register and Index for the purpose of this Act. 2.2 Foreign Register of members ? The Company shall be entitled to keep in any country outside India a Foreign Register of members resident in that country, subject to compliance with the provisions of Section 88 of the Act. 2.3 Shares to be numbered distinctively ? The shares in the capital held otherwise than in the depository mode shall be numbered progressively in sequence and given distinctive number. Except and in the manner herein mentioned, no share shall be forfeited or surrendered and shall continue to bear the number which it had originally borne. 2.4 Share Application Money ? The Company shall ensure that the share application money paid is held by it in an account with a Scheduled Commercial Bank (in the name of the Company)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	3	<ul style="list-style-type: none"> 3. Further Issue of Capital ? (a) Where at any time the Company wishes to raise its subscribed share capital by issue of further shares, it shall first offer such shares to its existing shareholders in proportion to their existing shareholdings on the date of such issue. Such offer to the existing shareholders shall be in accordance with the provisions of Section 62 of the Act. ? (b) The Company shall subject to applicable provisions of the Act and Articles of Association, make uniform calls from time to time upon all the Shareholders in respect of the moneys remaining unpaid on the issued share capital within 30 days or such time, as the Board may deem fit and appropriate.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	4	<ul style="list-style-type: none"> 4. Shares under control of Directors ? Subject to the provisions of these Articles and of the Act, the shares including any shares forming part of any increased capital of the Company shall be under the control of the Directors, who may allot or otherwise dispose off the shares to such persons in such proportion, on such terms and conditions and at such times as the Directors may think fit and subject to the sanction of the Company in General Meeting, subject to the provisions of Sections 52 and section 54 of the Act at a premium or par and such option being exercisable for such time and for such consideration as the Directors think fit. The Board shall cause to be filed the returns as to allotment provided for in Section 39(4) of the Act.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	5	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	6	<ul style="list-style-type: none"> 6. Liability of Members ?? Every Member, or his heirs, executors or administrators, shall pay to the Company the portion of the capital and premium, if any, represented by or payable on, his share or shares which may, for the time being, remain unpaid thereon, in

such amounts, at such time or times and in such manner as the Board shall, from time to time, in accordance with the Company's regulations, require or fix for the payment thereof.

<input type="checkbox"/>	<input checked="" type="checkbox"/>	
		<p>• 7.1 Share Certificates ? A certificate, issued under the common seal of the company, specifying the shares held by any person, shall be?prima facie?evidence of the title of the person to such shares. ? (a) Every Member or allottee of shares who is holding such shares in the physical form shall be entitled, without payment, to receive certificate specifying the name of the person in whose favour it is issued, the shares to which it relates and the amount paid-up thereof. Such certificates shall be issued only in pursuance of a resolution passed by the Board and on surrender to the Company of the letter of allotment or the fractional coupons of requisite value, save in case of issues against letters of acceptance or of renunciation or in cases of issue of bonus shares. Every such certificate shall be issued under the seal of the Company, which shall be affixed in the presence of two Directors and the Secretary or some other person appointed by the Board for the purpose, and the two directors and the Secretary or other persons as authorized by the Board shall sign the share certificate.? Provided, if the composition of the Board permits of it, at least one of the aforesaid two directors shall be a person other than a Managing or a Whole Time Director. Particulars of every share certificate issued shall be entered in the Register of Members against the name of the person, to whom it has been issued, indicating the date of issue. For issue of any further duplicate certificate, the Board shall be entitled to charge such amount which shall not exceed fifty Rupees per Certificate. ? (b) A Director may sign a share certificate by affixing his signature thereon by means of any machine, equipment or other mechanical means such as engraving in metal or lithography, but not by means of a rubber stamp. PROVIDED that the Director shall be personally responsible for the safe custody of such machine equipment or other material used for the purpose. 7.2 Renewal of Share Certificates ? (a) No certificate of any share or shares shall be issued either in exchange for those which are sub-divided or consolidated or in replacement of those which are defaced, mutilated, torn or old, decrepit, destroyed or where the pages on the reverse for recording transfers have been duly utilized, unless the certificate in lieu of which it is issued is surrendered to the Company and for issuing such share certificate the company may charge such fee as the Board thinks fit,? not exceeding twenty rupees per certificate. ? (b) When a new share certificate has been issued in pursuance of clause (a) of this Article, it shall state on the face of it and against the stub or counterfoil to the effect that it is ? Issued in lieu of share certificate No _____ sub-divided/ replaced/on consolidation.?? (c) If a share certificate is lost or destroyed a new certificate in lieu thereof shall be issued only with the prior consent of the Board and on such reasonable terms, such as furnishing supporting evidence and indemnity and? the payment of out-of-pocket expenses incurred by the Company in investigating evidence produced, as the Board thinks fit. ? (d) When a new share certificate has been issued in pursuance of clause (c) of this Article, it shall state on the face of it and against the stub or counterfoil to the effect that it is ?duplicate issued in lieu of share certificate No. _____? and the word ?duplicate? shall be stamped or printed prominently on the face of the share certificate. ? (e) Where a new share certificate has been issued in pursuance of</p>

7	<p>clause (a) and/ or clause (c) of this Article, particulars of every such share certificate shall be entered in a Register of Renewed and Duplicate Share Certificates indicating against the name(s) of the person(s) to whom the certificate is issued, the number and date of issue of the share certificate in lieu of which the new certificate is issued and the necessary changes indicated in the Register of Members by suitable cross reference in the "Remarks" column. ? (f) All blank forms to be used for issue of share certificates shall be printed and the printing shall be done only on the authority of a resolution of the Board and the blank forms shall be consecutively machine-numbered and the forms and the blocks, engravings, facsimiles relating to the printing of such forms shall be kept in the custody of the Secretary or of such other person as the Board may appoint for the purpose; and the Secretary or the other person aforesaid shall be responsible for rendering an account of these forms to the Board. ? (g) The Committee of the Board, Company Secretary of the Company or a Director specifically authorized by the Board for such purpose shall be responsible for the maintenance, preservation and safe custody of all books and documents relating to the issue of share certificates including the blank forms of share certificates referred to in clause (f). ? (h) All books referred to in clause (g) shall be preserved in good order for not less than thirty years and in disputed cases shall be preserved permanently. 7.3 Joint holders ? (a) Where two or more persons are registered as the holders of any share, they shall be treated as a single shareholder and shall be deemed to hold the same as joint holders with benefits of survivorship subject to the following and other provisions contained in these Articles. ? (b) The Company shall be entitled to decline to register more than four persons as the holders of any share. ? (c) The Joint holders of any share shall be liable, severally as well as jointly, for and in respect of all calls and other payments which ought to be made in respect of such shares. ? (d) On the death of any such joint holder, the survivor or survivors shall be the only person or persons recognized by the Company as having any title to the share, but the Directors may require such evidence of death as they may deem fit and nothing herein contained shall be taken to release the estate of the deceased joint holder from any liability on shares held by him jointly with any other person. ? (e) Delivery of share certificate to any one of such joint holders shall be deemed to be delivery to all of them and any one of such joint holders may give effectual discharge and receipts for any dividends or other moneys payable in respect of such shares and/or in respect of any other obligation of the Company towards them. ? (f) Only the person whose name stands in the Register of Members as the first of the joint holders of any shares shall be entitled to delivery of the certificate relating to such share or to receive notices from the Company, and any notice given to such person shall be deemed proper notice to all joint holders. ? (g) Any one of two or more joint holders may vote at any meeting either personally or by proxy in respect of such share as if he were solely entitled thereto, and if more than one of such joint holders be present at any meeting personally or by proxy, the holder whose name stands first or higher (as the case may be) on the Register of Members in respect of such share shall alone be entitled to vote in respect thereof. ? PROVIDED always that a member present at any meeting personally shall be entitled to vote in preference to a person present by proxy although the name of such person present by proxy stands first on the Register of Members in respect of such</p>
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			shares.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	8	<ul style="list-style-type: none"> 8. Terms and Conditions of Preference Shares Subject to the provisions of section 55, any preference shares may, with the sanction of an ordinary resolution, be issued on the terms that they are to be redeemed on such terms and in such manner as the company before the issue of the shares may, by special resolution, determine. ?
			<i>Lien</i>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	9	<ul style="list-style-type: none"> 9. Company to have lien on shares ? The Company shall have a first and paramount lien upon all shares (other than fully paid up shares) registered in the name of each member (whether solely or jointly with others) and upon the sale proceeds thereof, for all moneys (whether presently payable or not) called or payable at a fixed time in respect of all such shares (not being fully paid up) for all moneys presently payable by him or his estate to the Company. Any such lien shall extend to all dividends payable and bonuses declared from time to time declared in respect of such shares.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	10	<ul style="list-style-type: none"> 10. Enforcing lien by sale ? For the purpose of enforcing such lien, the Board may sell the shares subject thereto in such manner as they shall think fit, and for that purpose it may cause to be issued a duplicate certificate in respect of such shares and may authorize one of their Directors to execute a transfer thereof on behalf of and in the name of the Board. No sale shall be made until notice period for making call as aforesaid have expired and until notice in writing of the intention to sell shall have been made known to the shareholder for default in payment and default has been made by him in the payment of money called in respect of such shares for thirty days after the date of such notice. Upon issue of a duplicate certificate or certificates in lieu of the original share, the certificate or certificates originally issued shall stand cancelled and become null and void and the same shall have no effect.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	11	<ul style="list-style-type: none"> 11. Application of proceeds of sale ?? The net proceeds of any such sale shall be received by the Company and applied in or towards payment of such part of the amount as is presently payable and the residue, if any, shall (subject to a like lien for sums not presently payable as existed upon the shares before sale) be paid to the person entitled to the shares, at the date of the sale.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	12	<ul style="list-style-type: none"> i. The proceeds of the sale shall be received by the company and applied in payment of such part of the amount in respect of which the lien exists as is presently payable. ii. The residue, if any, shall, subject to a like lien for sums not presently payable as existed upon the shares before the sale, be paid to the person entitled to the shares at the date of the sale.
			<i>Calls on shares</i>
<input type="checkbox"/>	<input checked="" type="checkbox"/>		<ul style="list-style-type: none"> 13.1 Directors may make calls ? The Board may, from time to time, subject to the terms on which any shares may have been issued and subject to the conditions of allotment, by a resolution passed at a meeting of the Board (and not by resolution by circulation) make

		13	such call as it thinks fit upon the Members in respect of all moneys unpaid on the shares held by them respectively and each member shall pay the amount of every call so made on him to the person or persons and at the times and places appointed by the board. A call may be made payable by installments. 13.2 Notice of calls ? Not less than thirty days? notice in writing of any call shall be given by the Company specifying the time and place of payment, and the person or persons to whom such call shall be paid. 13.3 When call made ? A call shall be deemed to have been made at the time when the resolution of the Board authorizing such call was passed at a meeting of the Board and demand notice is issued. 13.4 Calls may be revoked or postponed ? A call may be revoked or postponed at the discretion of the Board.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	14	<ul style="list-style-type: none"> 14. Directors may extend time The Board may, from time to time at its discretion, extend the time fixed for the payment of any call, and may extend such time as to all or any of the Members for reasons which the Board may consider satisfactory, but no Member shall be entitled to such extension save as a matter of grace.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	15	<ul style="list-style-type: none"> 15. Calls to carry interest ? If any Member fails to pay any call due from him on the day appointed for payment thereof, or any such extension thereof as aforesaid, he shall be liable to pay interest on the same from the day appointed for the payment thereof to the time of actual payment at rate not exceeding 10 per cent per annum as maybe decided by the Board, but the Board may in its absolute discretion and in special circumstances waive or reduce the levy of interest as deemed appropriate.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	16	<ul style="list-style-type: none"> 16. Sums deemed to be call ? ? Any sum, which by the terms of issue of a share becomes payable on allotment or at any fixed date, whether on account of the nominal value of the share or by way of premium, shall, for the purposes of these Articles be deemed to be a call duly made and payable on the date on which by the terms of issue the same becomes payable, and in case of non-payment all the relevant provisions of these Articles as to payment of interest and expenses, forfeiture or otherwise shall apply as if such sum had become payable by virtue of a call duly made and notified.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	17	<ul style="list-style-type: none"> 17.1 Partial payment not to preclude Forfeiture ? Neither the receipt by the Company of a portion of any money which shall from time to time be due from any Member to the Company in respect of his shares, either by way of principal or interest nor any indulgence granted by the Company in respect of the payment of any such money, shall preclude the Company from thereafter proceeding to enforce a forfeiture of such shares as hereinafter provided. 17.2 Payment in anticipation of calls may?carry interest ? The Board may, if it thinks fit, agree to and in anticipation receive from any Member willing to advance the same, all of calls money or any part of the amounts of his respective shares beyond the sums actually called up, and upon the moneys so paid in advance, or upon so much thereof, from time to time, and at any time thereafter as exceeds the amount of the calls then made upon and due in respect of the shares on account of which such advances are made, the Board may pay or allow interest, at such rate as the Member paying the sum in advance and the Board agree upon. The Board may agree to repay at any time any amount so advanced or may at

			any time repay the same upon giving to the Member three months' notice in writing. ? PROVIDED that moneys paid in advance of calls on any shares may carry interest but shall not confer a right to dividend or to participate in profits. ? (b) No Member paying any such sum in advance shall be entitled to voting rights in respect of the moneys so paid by him until the same would but for such payment become presently payable.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	18	<ul style="list-style-type: none"> • The Board - • a. may, if it thinks fit, receive from any member willing to advance the same, all or any part of the monies uncalled and unpaid upon any shares held by him and • b. upon all or any of the monies so advanced, may (until the same would, but for such advance, become presently payable) pay interest at such rate not exceeding, unless the company in general meeting shall otherwise direct, twelve per cent per annum, as may be agreed upon between the Board and the member paying the sum in advance.
			<i>Transfer of shares</i>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	19	<ul style="list-style-type: none"> • 19.1 Register of Transfers ? The Company shall maintain a Register of Transfers and therein shall be fairly and distinctively enter the particulars of every transfer or transmission of any share in the physical form. ? 19.2 Form of transfer The instrument of transfer shall be in writing and in such form as prescribed under the Act. All the provisions of Section 56 of the Act shall be duly complied with in respect of all transfers and of the registration thereof. The Company shall not charge any fee for registration of a transfer of shares or debentures. ? 19.3 Instrument of Transfer to be completed and presented to the Company ? The instrument of Transfer duly stamped and executed by the transferor and the transferee shall be delivered to the Company in accordance with the provisions of the Act. The instrument of transfer shall be accompanied by the Share Certificate or such evidences the Board may require to prove the title of transferor and his right to transfer the shares and every registered instrument of Transfer shall remain in the custody of the Company until destroyed by order of the Board. Any instrument of transfer which the Directors may decline to register shall be returned to the person depositing the same. 19.4 Transferor deemed to be holder ? ? The transferor shall be deemed to be the holder of such shares until the name of the transferee shall have entered in the Register of Members in respect thereof. Before the registration of a transfer, the certificate or certificates of the shares must be delivered to the Company along with Transfer Deed. 19.5 No transfer to insolvent etc. ? No transfer shall be made to a person of unsound mind or to an insolvent.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	20	<ul style="list-style-type: none"> • 20. Closure of Register of Members/Debenture holders ? The Directors shall have power, on giving not less than seven days' previous notice as required by Section 91 of the Act, to close the Register of Transfer, Register of Members or Register of Debenture holders or the register of other security holders of the Company for any period or periods not exceeding in the aggregate forty-five days in each year (but not exceeding thirty days at any one time) as they may determine.

<input type="checkbox"/>	<input checked="" type="checkbox"/>	21	<ul style="list-style-type: none"> 21. Nomination by shareholder ? Every share-holder or debenture holder may at any time, nominate in the prescribed manner, a person to whom his shares or debenture shall vest in the event of his death, as provided in Section 72 of the Act.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	22	<ul style="list-style-type: none"> 22. Title to shares of deceased holder???????????????????? In the event there is no nomination, the executors or administrators of a deceased Member or the holder of a Succession Certificate in respect of the shares of a deceased Member (not being one of two or more joint holders) shall be the only persons whom the Company will be bound to recognize as having any title to the shares registered in the name of such Member, and the Company shall not be bound to recognize such executors or administrators or holders unless such executors, administrators or holders shall have first obtained probate or Letters of Administration or Succession Certificate as the case may be, from a duly constituted Court in India. ? PROVIDED that the Directors may, at their absolute discretion dispense with production of Probate, Letters of Administration or Succession Certificate upon such terms as to indemnity or otherwise as they think fit and may enter the name of the person who claims to be absolutely entitled to the shares standing in the name of a deceased Member, as a Member
			<i>Transmission of shares</i>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	23	<ul style="list-style-type: none"> 23. Transmission of Shares ?? Subject to the provisions of the Act, any person becoming entitled to any share in consequence of the death, lunacy or insolvency of any Member or by any lawful means other than by a transfer in accordance with these Articles, may, with the consent of the Directors (which they shall be under no obligation to give) and upon producing such evidence that he sustains the character in respect of which he proposes to act under this Article or of his title as the Directors may require, and upon such indemnity as the Directors may require, either be registered as a Member in respect of such shares or elect to have some person nominated by him and approved by the Directors registered as a Member in respect of such shares. PROVIDED that if such persons shall elect to have his nominee registered, he shall testify his election by executing in favor of his nominee an instrument of transfer in accordance with these Articles, and until he does so he shall not be freed from any liability in respect of such shares.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	24	<ul style="list-style-type: none"> 24. Right of Board to decline or suspend registration (i) Any person becoming entitled to a share in consequence of the death or insolvency of a member may, upon such evidence being produced as may from time to time properly be required by the Board and subject as hereinafter provided, elect, either -- (a) to be registered himself as holder of the share; or (b) to make such transfer of the share as the deceased or insolvent member could have made. ? (ii) The Board shall, in either case, have the same right to decline or suspend registration as it would have had, if the deceased or insolvent member had transferred the share before his death or insolvency.?
<input type="checkbox"/>	<input checked="" type="checkbox"/>		<ul style="list-style-type: none"> 25. The Company not liable for disregard?of notice prohibiting registration of?transfer ? The Company shall incur no liability or responsibility whatever in consequence of its registering or giving

		25	effect to any transfer of shares made or purported to be made by any apparent legal owner thereof (as shown or appearing in register of Members) to the prejudice of persons having or claiming any equitable right, title or interest to or in the same shares, notwithstanding that the Company may have had notice of such equitable right, title or interest or notice prohibiting registration of such transfer, and may have entered such notice or referred to it in any book, or attended or given effect to any notice which may have been given to it of any equitable right, title or interest or be under any liability whatsoever for refusing or neglecting so to do though it may have been entered or referred to in some book of the Company, but the Company shall nevertheless be at liberty to regard and attend to any such notice and give effect thereto, if the Directors shall so think fit.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	26	<ul style="list-style-type: none"> 26. Rights of successors? A person becoming entitled to a share by reason of the death or insolvency of the holder shall be entitled to the same dividends and other advantages to which he would have been entitled if he were the registered holder of the shares, except that he shall not, before being registered as a Member in respect of the shares, be entitled to exercise any right conferred by membership in relation to meetings of the Company, PROVIDED that the Directors shall, at any time, give notice requiring any such person to elect to be registered himself or to transfer the shares, and if the notice is not complied within ninety days from the date of issue of the notice, the Directors may thereafter withhold payment of all dividends, bonuses or other moneys payable in respect of the shares until the requirements of the notice have been complied with.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	27	In case of a One Person Company?
			<i>Forfeiture of shares</i>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	28	<ul style="list-style-type: none"> 28.1 If money payable on shares not paid notice to be given to members if any Member fails to pay any call, or installment of a call, on or before the day appointed for the payment of the same or any such extension thereof as aforesaid, the Board may, at any time thereafter, during such time as any part of the call or installment remains unpaid, serve a notice on him requiring him to pay the same together with any interest which may have accrued and all expenses that may have been incurred by the Company by reason of such non-payment. 28.2 Contents of Notice The notice shall name a further day (not being less than fourteen days from the date of the service of notice) and a place or places on and at which such call or installment and such interest thereon at such rate as the Directors shall determine from the day on which such call or installment ought to have been paid and expenses as aforesaid are to be paid. The notice shall also state that in the event of the non-payment on or before the day, at or before the time and at the place appointed, the shares in respect of which the call was made or installment is payable, shall be liable to be forfeited. 28.3 In default of payment, shares to be Forfeited If the requirement of any such notice as aforesaid are not complied with, every or any share in respect of which such notice has been given may, at any time thereafter, but before payment of all calls or instalments, interest and expenses due in respect thereof, be forfeited by a resolution of

			the Board to that effect. Such forfeiture shall include all dividends declared or any other moneys payable in respect of the aforesaid share and not actually paid before the forfeiture. In default of payment, shares to be Forfeited
<input type="checkbox"/>	<input checked="" type="checkbox"/>	29	<ul style="list-style-type: none"> 29. Notice of forfeiture to a Member When any share shall have been so forfeited, notice of the forfeiture shall be given to the Member in whose name it stood immediately prior to the forfeiture, and an entry of the forfeiture, with the date thereof, shall forthwith be made in the Register of Members, but no forfeiture shall be in any manner invalid by any omission or neglect to make any such entry as aforesaid in the Register.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	30	If the requirements of any such notice as aforesaid are not complied with, any share in respect of which the notice has been given may, at any time thereafter, before the payment required by the notice has been made, be forfeited by a resolution of the Board to that effect.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	31	<ul style="list-style-type: none"> 31. Forfeited share to be property of the Company and may be sold etc. Any share so forfeited shall be deemed to be the property of the Company, and may be sold, re-allotted, or otherwise disposed of, either to the original holder thereof or to any person, upon such terms and in such manner as the Board shall think fit.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	32	<ul style="list-style-type: none"> 32. Member still liable to pay calls owing at the time of forfeiture and interest Any members whose shares have been forfeited shall notwithstanding the forfeiture be liable to pay and shall forthwith pay to the Company, on demand, all calls, installment, interest and expenses owing upon or in respect of such shares at the time of the forfeiture together with interest accrued thereon at the time of the forfeiture at such rate as the Board may determine, and the Board may enforce the payment thereof, if it thinks fit.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	33	<ul style="list-style-type: none"> 33.1 Effect of forfeiture The forfeiture of a share shall involve extinction, at the time of the forfeiture, of all interest in and all claims and demands against the Company, in respect of the share and all other rights incidental to the share, except only such of those rights as by these Articles are expressly saved. 33.2 Evidence of forfeiture A declaration in writing by Chairman or Managing Director of the Company or by any person duly authorised in this regard that certain shares in the Company have been duly forfeited on a date stated in the declaration, shall be conclusive evidence of the facts therein stated as against all persons claiming to be entitled to the shares and such declaration, and the receipt of the Company for the consideration, if any, given for the shares on the sale or disposition thereof shall constitute a good title to such shares and the person to whom the shares are sold shall be registered as the holder of such shares and shall not be bound to see as to the application of the purchase money nor shall his title to such shares be affected by any irregularity or invalidity in the proceedings in reference to such forfeiture, sale or disposition. 33.3 Validity of sale under Articles of forfeited shares Upon any sale after forfeiture or for enforcing a lien in purported exercise of the powers herein before given, the board may appoint some person to execute an instrument of transfer of the shares sold and cause the purchaser's name to be entered in the Register of Members in respect of the shares sold, and the purchaser shall not be bound to see the regularity of the proceedings, or to the application of the purchase

			<p>money, and after his name has been entered in the Register in respect of such shares the validity of the sale shall not be impeached by any person and the remedy of any person aggrieved by the sale shall be in damages only and against the Company exclusively. 33.4 Cancellation of Share Certificates in respect of forfeited shares Upon any sale, re-allotment or other disposal under the provisions of the preceding Articles, the certificate or certificates originally issued in respect of the relative shares shall (unless the same shall on demand by the Company have been (previously) surrendered to it by the defaulting member) stand cancelled and become null and void and of no effect, and the Directors shall be entitled to issue a duplicate certificate or certificates in respect of the said shares to the person or persons entitled thereto. ?</p>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	34	<ul style="list-style-type: none"> 34. Power to annul forfeiture The Board may at any time before any share so forfeited, shall have been sold, re-allotted or otherwise disposed of, annul the forfeiture thereof upon such terms and conditions as it thinks fit.
			<i>Alteration of capital</i>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	35	<ul style="list-style-type: none"> 35. Alteration of Share Capital The company may, from time to time, by ordinary resolution increase the share capital by such sum, to be divided into shares of such amount, as may be specified in the resolution. ? Subject to the provisions of section 61, the company may, by ordinary resolution, the Company may from time to time-- ? (a) consolidate and divide all or any of its share capital into shares of larger amount than its existing shares; ? (b) convert all or any of its fully paid-up shares into stock, and reconvert that stock into fully paid-up shares of any denomination; ? (c) Sub-divide its shares, or any of them into shares of smaller amount than is fixed by the memorandum, so, however, that in the sub-division the proportion between the amount paid and the amount, if any, unpaid on each reduced share shall be the same as it was in the case of the share from which the reduced share is derived; ? (d) Cancel any shares which as the date of the passing of the resolution, have not been taken or agreed to be taken by any person and diminish the amount of its share capital by the amount of the shares so cancelled. ? The resolution whereby any share is sub-divided may determine that, as between the holders of the shares resulting from such sub-division, one or more of such shares shall have some preference or special advantage as regards dividend, capital, voting or otherwise over or as compared with the others or other, subject, to the provisions of the Act. ? Subject to the provisions of Sections 66 of the Act, the Board may accept from any member the surrender on such terms and conditions as shall be agreed of all or any of his shares. ? The company may, by special resolution, reduce in any manner and with, and subject to, any incident authorised and consent required by law, -- (a) its share capital; (b) any capital redemption reserve account; or (c) any share premium account.
<input checked="" type="checkbox"/>	<input type="checkbox"/>		<ul style="list-style-type: none"> Subject to the provisions of section 61, the company may, by ordinary resolution, ? consolidate and divide all or any of its share capital into shares of larger amount than its existing shares; convert all or any of its fully paid-up shares into stock, and

		36	<ul style="list-style-type: none"> reconvert that stock into fully paid-up shares of any denomination; sub-divide its existing shares or any of them into shares of smaller amount than is fixed by the memorandum; cancel any shares which, at the date of the passing of the resolution, have not been taken or agreed to be taken by any person.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	37	<ul style="list-style-type: none"> Where shares are converted into stock,? the holders of stock may transfer the same or any part thereof in the same manner as, and subject to the same regulations under which, the shares from which the stock arose might before the conversion have been transferred, or as near thereto as circumstances admit; Provided that the Board may, from time to time, fix the minimum amount of stock transferable, so, however, that such minimum shall not exceed the nominal amount of the shares from which the stock arose. the holders of stock shall, according to the amount of stock held by them, have the same rights, privileges and advantages as regards dividends, voting at meetings of the company, and other matters, as if they held the shares from which the stock arose; but no such privilege or advantage (except participation in the dividends and profits of the company and in the assets on winding up) shall be conferred by an amount of stock which would not, if existing in shares, have conferred that privilege or advantage. such of the regulations of the company as are applicable to paid-up shares shall apply to stock and the words "share" and "shareholder" in those regulations shall include "stock" and "stock-holder" respectively.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	38	<ul style="list-style-type: none"> The company may, by special resolution, reduce in any manner and with, and subject to, any incident authorised and consent required by law, ? it share capital; any capital redemption reserve account; or any share premium account.
			Capitalisation of profits
<input type="checkbox"/>	<input checked="" type="checkbox"/>		<ul style="list-style-type: none"> 39.1 Capitalization of Profits (1) Any General Meeting of the Company may resolve that any amounts standing to the credit of the Free Reserve or Share Premium Account or the Capital Redemption Reserve Account or any moneys, investment or other assets forming part of the undivided profits including profits or surplus moneys arising from the realization and (when permitted by the law) from the appreciation in value of any capital assets of the Company standing to the credit of the General Reserve or any other Reserve or Reserve Fund or any other Fund of the Company or in the hands of the Company and available for dividend be capitalized:- ? (a) by the issue and distribution of shares, as fully paid-up, and to the extent permitted by the Act, debentures, debenture stock, bonds or other obligations of the Company ; or ? (b) by crediting share of the Company, which may have been issued and are not fully paid-up, with the whole or any part of the sum remaining unpaid thereon; ? PROVIDED that any amounts standing to the credit of the Share Premium Account or the Capital Redemption Reserve Account shall be applied only in crediting the payment of capital on shares to be issued to Members as fully paid

	39	<p>bonus shares (Further capitalization of reserve created by the revaluation of assets are not to be used for issuance of Bonus Shares as per section 63 of the Act). ? (2) Such issue and distribution under sub-clause (1) (a) of this Article and payment to the credit of unpaid share capital under sub-clause (1) (b) of this Article shall be made among and in favour of the Members or any class of them or any of them entitled thereto and in accordance with their respective rights and interests and in proportion to the amount of capital paid-up on the shares held by them respectively in respect of which such distribution or payment shall be made, on the footing that such Members become entitled thereto as capital. ? (3) The Directors shall give effect to any such resolution and for the said purpose the Board may settle any difficulty which may arise in regard to distribution as it thinks expedient including in regard to fractional entitlements, and shall apply such profits, General Reserve, other Reserve or any other Fund or account as aforesaid as may be required for the purpose of making payment in full on the shares, or other obligations of the Company so distributed under sub-clause (1) (a) of this Article or (as the case may be) for the purpose of paying, in whole or in part, the amount remaining unpaid on the shares which may have been issued and are not fully paid-up under sub-clause (1)(b) above. ? PROVIDED that no such distribution or payment shall be made unless recommended by the Directors, and, if so recommended, such distribution and payment shall be accepted by such Members as aforesaid in full satisfaction of their interest in the said capitalized fund. ? (4) For the purpose of giving effect to any such resolution, the Directors may settle any difficulty which may arise in regard to the distribution or payment as aforesaid as they think expedient, and, in particular, they may issue fractional certificates and may fix the value for distribution of any specific asset and may determine that any cash payment be made to any Members on the footing of the value so fixed and may vest any such cash, shares, debentures stock, bonds or other obligations in trustees upon such trusts for the persons entitled thereto as may seem expedient to the directors, and generally may make arrangement for the acceptance, allotment and sale of such shares, debentures, debentures stock, bonds or other obligations and fractional certificates or otherwise as they may think fit. ? (5) When deemed requisite, a proper contract shall be filed in accordance with the Act and the Board may appoint any person to sign such contract on behalf of the Members entitled as aforesaid. ? Subject to the provisions of the Act and these Articles, in cases where some of the shares of the Company are fully paid and others are partly paid, such capitalization may be effected by the distribution of further shares in respect of the fully paid shares and by crediting the partly paid shares with the whole or part of the unpaid liability thereon, but so that as between the holders of the fully paid shares and the partly paid shares, the sums so applied in the payment of such further shares and in the extinguishment or diminution of the liability on the partly paid shares shall be applied pro rata in proportion to the amount then already paid or credited as paid on the existing fully paid and partly paid shares respectively. ? ?</p>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>i. Whenever such a resolution as aforesaid shall have been passed, the Board shall?</p> <p>a. make all appropriations and applications of the undivided profits resolved to be capitalised thereby, and all</p>

		40	<p>allotments and issues of fully paid shares if any; and</p> <p>b. generally do all acts and things required to give effect thereto.</p> <p>ii. The Board shall have power?</p> <p>a. to make such provisions, by the issue of fractional certificates or by payment in cash or otherwise as it thinks fit, for the case of shares becoming distributable in fractions; and</p> <p>b. to authorise any person to enter, on behalf of all the members entitled thereto, into an agreement with the company providing for the allotment to them respectively, credited as fully paid-up, of any further shares to which they may be entitled upon such capitalisation, or as the case may require, for the payment by the company on their behalf, by the application thereto of their respective proportions of profits resolved to be capitalised, of the amount or any part of the amounts remaining unpaid on their existing shares;</p> <p>iii. Any agreement made under such authority shall be effective and binding on such members</p>
			<i>Buy-back of shares</i>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	41	<ul style="list-style-type: none"> 41. Buy Back of Shares Notwithstanding anything contained in these articles but subject to the provisions of sections 68 to 70 and any other applicable provision of the Act or any other law for the time being in force, the company may purchase its own shares or other specified securities?????
			<i>General meetings</i>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	42	<ul style="list-style-type: none"> 42.1 Annual General Meeting The Company shall in each year hold a General Meeting as its Annual General Meeting in addition to any other meeting in that year. All General Meetings other than Annual General Meetings shall be called Extraordinary General Meetings. If for any reason beyond the control of the Board, the general meeting (including an Annual General meeting) cannot be held on the appointed day, the Board shall have power to postpone the General meeting of which a notice should be given to the members. Every member of the Company shall be entitled to attend either in person or by proxy and the Auditor of the Company shall have the right to attend and to be heard at any General Meeting which he attends on any part of the business which concerns him as Auditor. 42.2 Extraordinary General Meeting The Board may, whenever it thinks fit, call an Extraordinary General Meeting of the Company. The Board? shall at the? requisition in writing by a Member or Members holding in the aggregate not less than one-tenth of such of the paid-up capital of the company on that date and carries the right of voting in regard to the matter in respect of which the requisition has been made. 42.3 Requisition of Members to state object of Meeting Any valid requisition so made by Members must state the object or objects of the meeting proposed to be called, and must be signed by the requisitionists and deposited at the registered office of the company. PROVIDED that such requisition may consist of several documents in like form, each signed by one or more requisitionists.

<input type="checkbox"/>	<input checked="" type="checkbox"/>		<ul style="list-style-type: none"> 43.1 On receipt of requisition Directors to call meeting and in default requisitionists may do so Upon the receipt of any such requisition, the Board shall forthwith call an Extraordinary General Meeting, and if they do not proceed within twenty-one days from the date of the requisition being deposited at the Registered Office to cause a meeting to be called on a day not later than forty-five days from the date of deposit of the requisition, the requisitionists, or such of their number as represent either a majority in value of the paid-up share capital held by all of them or one-tenth of such of the paid-up share capital of the Company as is referred to in Section 100(2) of the Act, whichever is less, may themselves call the meeting, but in either case, any meeting so called shall be held within three months from the date of the deposit of the requisition, as aforesaid. 43.2 Meeting called by requisitionists Any meeting called under the foregoing Articles by the requisitionists shall be called in the same manner, as nearly as possible, as that in which meetings are to be called by the Board. 43.3 Twenty-one days? notice of meeting to be given A general meeting of a Company may be called by giving not less than clear twenty-one days? notice either in writing or through electronic mode in such a manner as may be prescribed, Every notice of a meeting shall specify the place, date, day and the hour of meeting, and shall contain statement of the business to be transacted at such meeting. And, The notice of every meeting shall be given to every member of the Company, Legal Representative of any deceased member or the assignee of an insolvent member, auditor or auditors of the Company and every director of the Company and all such persons as are under these Articles entitled to receive notice from the Company? "Provided that a general meeting may be called after giving shorter notice than that specified in this sub-section if consent, in writing or by electronic mode, is accorded thereto ?? (i) in the case of an annual general meeting, by not less than ninety-five per cent. of the members entitled to vote thereat; and (ii) in the case of any other general meeting, by members of the company? (a) holding, if the company has a share capital, majority in number of members entitled to vote and who represent not less than ninety-five per cent. of such part of the paid-up share capital of the company as gives a right to vote at the meeting; or (b) having, if the company has no share capital, not less than ninety-five per cent. of the total voting power exercisable at that meeting: ? Provided further that where any member of a company is entitled to vote only on some resolution or resolutions to be moved at a meeting and not on the others, those members shall be taken into account for the purposes of this sub-section in respect of the former resolution or resolutions and not in respect of the latter."
			<i>Proceedings at general meetings</i>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	44	
<input type="checkbox"/>	<input checked="" type="checkbox"/>		<ul style="list-style-type: none"> 45.1 Chairman of General Meeting The Chairman of the Board shall be entitled to take the Chair at every General Meeting whether Annual or Extraordinary. If at any meeting the Chairman is not present within fifteen minutes of the time appointed for holding such meeting or he has informed that he shall be unable or unwilling to take the Chair then any one of directors with mutual consent shall so preside at the meeting. If no Director be present or if all the Directors present decline to take the Chair, then the

	45	<p>Members present shall elect one of the members to be the Chairman of the Meeting 45.2 No Business whilst chair vacant No business shall be discussed at any General Meeting except the election of a Chairman, whilst the Chair is vacant. 45.3 Chairman with consent may adjourn meeting The Chairman, with the consent of the Members, may adjourn any meeting from time to time and from place to place within the city, town or village in which the Registered Office of the Company is situated, but no business shall be transacted at any adjourned meeting other than the business left unfinished at the meeting from which the adjournment took place. Notwithstanding, the provision as above in the event of disorder at a validly convened meeting the Chairman may adjourn the meeting provided that such an adjournment shall not be a longer period than the Chairman considers necessary to bring order at the meeting and Chairman communicates his decision to those present in so far as it is possible. 45.4 Questions at General Meeting how Decided Every question submitted to a meeting shall be decided in the first instance unless a poll is demanded, on a show of hands. Before or on the declaration of the result of the voting on any resolution on a show of hands, a poll may be ordered to be taken by the Chairman of the meeting on his own motion and shall be ordered to be taken by him on a demand made in that behalf by any member or members present in person or by proxy, and holding shares in the Company, which confer a power to vote on the resolution not being less than one-tenth of the total voting power in respect of the Resolution or on which an aggregate sum of not less than five lakh rupees has been paid up. The demand for a poll may be withdrawn at any time by the person or persons making the demand. Unless a poll is so demanded, a declaration by the Chairman that a resolution has, on show of hands, been carried through unanimously or by a particular majority or lost and an entry to that effect in the Minutes Book of the Company shall be conclusive evidence of the fact without proof of the number or proportion of the votes recorded in favour of or against the resolution. 45.5 Chairman's Casting Vote In the case of an equality of votes, the Chairman shall have a casting vote in addition to the vote or votes to which he may be entitled otherwise.</p>
<input type="checkbox"/> <input checked="" type="checkbox"/>	46	<ul style="list-style-type: none"> 46.1 Poll to be taken, if demanded If a poll is demanded as aforesaid, the same shall be taken at such time (not later than forty-eight hours from the time when the demand was made) and place in the city or town in which the Registered office of the Company is for the time being situated, as the Chairman shall direct, either at once or after an interval or adjournment and the result of the poll shall be deemed to be the resolution of the meeting. 46.2 In which case poll taken without Adjournment Any poll duly demanded on the election of the Chairman of a meeting or on any question of adjournment shall be taken at the meeting forthwith. 46.3 Demand for poll not to prevent transaction of other business ? The demand for a poll except on the questions of the election of the Chairman and of an adjournment shall not prevent the continuance of a meeting for the transaction of any business other than the question on which the poll has been demanded.
<input type="checkbox"/> <input checked="" type="checkbox"/>		<ul style="list-style-type: none"> 47. Minutes of General Meetings (a) The Company shall cause minutes of the proceedings of every General Meeting or every resolution passed by postal ballot to be kept by making within thirty days of the conclusion of every such meeting concerned,

		47	<p>record thereof kept with Minute Book for that purpose with their pages consecutively numbered. ? (b) Each page of every such book shall be initialed or signed and the last page of the record of proceedings of each meeting in such book shall be dated and signed by the Chairman of the same meeting within the aforesaid period of thirty days or in the event of the death or inability of that Chairman within that period, by a Director duly authorised by the Board for the purpose. ? (c) In no case the minutes of proceedings of a meeting shall be attached to any such book as aforesaid by pasting or otherwise. ? (d) The minutes of each meeting shall contain a fair and correct summary of the proceedings thereat. ? (e) All decisions taken and appointments of officers made at any meeting aforesaid shall be included in the minutes of the meeting. ? (f) Nothing herein contained shall require or be deemed to require the inclusion in any such minutes of any matter which in the opinion of the Chairman of the meeting (a) is or could reasonably be regarded as defamatory of any person, or (b) is irrelevant or immaterial to the proceedings, or (c) is detrimental to the interests of the Company. The Chairman of the meeting shall exercise an absolute discretion in regard to the inclusion or non-inclusion of any matter in the minutes on the aforesaid grounds. ? (g) Any such minutes shall be evidence of the proceedings recorded therein. Where the minutes have been kept in accordance with section then, until the contrary is proved, the meeting shall be deemed to have been duly called and held, ? all appointments of directors, key managerial personnel, auditors or company secretary in practice, shall be deemed to be valid. No document purporting to be a report of the proceedings of any general meeting of a company shall be circulated or advertised at the expense of the company, unless it includes the matters required to be contained in the minutes of the proceedings of such meeting. The company shall observe secretarial standards with respect to general and Board meetings specified by the Institute of Company Secretaries of India constituted under section 3 of the Company Secretaries Act, 1980, and approved as such by the Central Government. ? (h) The book containing the minutes of the proceedings of any general meeting of the Company or of a resolution passed by postal ballot, shall be kept at the registered office of the Company and shall be open, during business hours, to the inspection by any member without any charge, for such period not being less than two hours in each business day are allowed for inspection. ?</p>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	48	In case of a One Person Company?
			Adjournment of meeting
<input type="checkbox"/>	<input checked="" type="checkbox"/>	49	<ul style="list-style-type: none"> 49. Adjournment of Meeting (i) The Chairperson may, with the consent of any meeting at which a quorum is present, and shall, if so directed by the meeting, adjourn the meeting from time to time and from place to place. ? (ii) No business shall be transacted at any adjourned meeting other than the business left unfinished at the meeting from which the adjournment took place. ? (iii) When a meeting is adjourned for thirty days or more, notice of the adjourned meeting shall be given as in the case of an original meeting. ? (iv) Save as aforesaid, and as provided in section 103 of the Act, it shall not be necessary to give any notice of an adjournment or of the business to be transacted at an adjourned

			meeting.
			<i>Voting rights</i>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	50	<ul style="list-style-type: none"> 50.1 Members in arrears not to vote No member shall be entitled to vote either personally or by proxy at any General Meeting or Meeting of a class of shareholders either upon a show of hands or upon a poll in respect of any shares registered in his name on which any calls or other sums presently payable by him have not been paid or in regard to which the Company has exercised any right of lien. ? 50.2 Number of votes to which Member Entitled Subject to the provisions of these Articles and without prejudice to any special privileges or restrictions as to voting for the time being attached to any class of shares for the time being forming part of the capital of the Company, every Member shall be entitled to be present, and to speak and vote at such meeting by show of hand for which the Member present in person shall have one vote. On a poll taken at a meeting of a company, a member entitled to more than one vote, or his proxy, need not to use all his votes or cast in the same way all the votes he uses.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	51	A member may exercise his vote at a meeting by electronic means in accordance with section 108 and shall vote only once.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	52	<ul style="list-style-type: none"> 52. Votes of Joint Members If there be joint registered holders of any shares, the vote of the senior who tenders a vote, whether in person or by proxy, shall be accepted to the exclusion of the votes of the other joint holders. For this purpose, seniority shall be determined by the order in which the names stand in the register of members.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	53	<ul style="list-style-type: none"> 53. Vote of Member who is a minor If any shareholder be a minor, the vote in respect of his share or shares shall be by his guardian, or any one of his guardians, if more than one, to be selected in case of dispute by the Chairman of the meeting.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	54	<ul style="list-style-type: none"> 54. Votes by a Member entitled to more than one vote On a poll taken at a meeting of the Company, a Member entitled to more than one vote by virtue of his share-holding or his proxy or other person entitled to vote for him, as the case may be, need not, if he votes, use all his votes or cast in the same way all the votes he uses and he may vote in different manner as he deems fit.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	55	<ul style="list-style-type: none"> 55. Voting in person or by proxy or Representative Subject to the provisions of these Articles, votes may be given either personally or by proxy. A body corporate being a Member may vote either by proxy or by a representative duly authorised in accordance with Section 113 of the Act and such representative shall be entitled to exercise the same rights and powers (including the right to vote by proxy) and by postal ballot, on behalf of the body corporate which he represents as that body could exercise if it were an individual Member of the Company.
<input type="checkbox"/>	<input checked="" type="checkbox"/>		<ul style="list-style-type: none"> 56.1 Votes in respect of shares of Deceased Any person entitled under the Transmission Clause to transfer any shares may vote at any General Meeting in respect thereof in the same manner as if he were the registered holder of such shares. PROVIDED that forty-

		56	<p>eight hours at least before the time of holding the meeting or adjourned meeting, as the case may be, at which he proposes to vote he shall satisfy the Chairman of his right to transfer such shares and give such indemnity (if any) as the Chairman may require or the Chairman shall have previously admitted his right to vote at such meeting in respect thereof. 56.2 Time for objection to vote No objection shall be made to the validity of any vote, except at the meeting or poll at which such vote was tendered, and every vote whether given personally or by proxy, not disallowed at such meeting or poll, shall be deemed valid for purposes of such meeting or poll whatsoever. 56.3 Chairman of the meeting to be the judge of the validity of any Vote ? The Chairman of any meeting shall be the sole judge of the validity of every vote tendered at such meeting. The Chairman present at the taking of a poll shall be the sole judge of the validity of every vote tendered at such poll.</p>
			Proxy
<input type="checkbox"/>	<input checked="" type="checkbox"/>	57	<ul style="list-style-type: none"> 57.1 Appointment of proxy A person can act as proxy on behalf of members not exceeding fifty and holding in the aggregate not more than ten percent of the total share capital of the company carrying voting rights: ? Provided that a member holding more than ten percent of the total share capital of the Company carrying voting rights may appoint a single person as proxy and such person shall not act as proxy for any other person or shareholder. ? Every proxy shall be appointed in writing under the hand of the Member or if such Member is a body corporate under the common seal of such corporation, or be signed by an appointer or his attorney duly authorised in writing. The proxy so appointed shall not have any right to speak at the meetings. 57.2 Deposit of instrument of Proxy etc. The instrument appointing a proxy and the power of attorney or other authority (if any), under which it is signed or a notarized copy of that power or authority, shall be deposited at the Registered Office of the Company not later than forty-eight hours before the time for holding the meeting at which the person named in the instrument proposes to vote, and in default, the instrument of proxy shall not be treated as valid. No instrument appointing a proxy shall be valid after the expiration of twelve months from the date of its execution.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	58	<ul style="list-style-type: none"> 58. Form of proxy An instrument appointing a proxy shall be in the form No. MGT-11 as prescribed in the rules made under section 105 of the Companies Act, 2013.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	59	<ul style="list-style-type: none"> 59.1 Proxy either for specified meeting or for a period An instrument of proxy may appoint a proxy either for the purpose of a particular meeting specified in the instrument and any adjournment thereof or it may appoint for the purpose of every meeting of the Company, or of every meeting to be held before a date specified in the instrument and every adjournment of any such meeting. 59.2 Validity of votes given by proxy notwithstanding death of Member A vote given in accordance with the terms of an instrument of proxy shall be valid, notwithstanding the previous death or insanity of the principal or the revocation of the proxy or of the authority under which the proxy was executed, or the transfer of the shares in respect of which the proxy is given. ? Provided that no intimation in writing of such death, insanity,

			revocation or transfer shall have been received by the company at its office before the commencement of the meeting or adjourned meeting at which the proxy is used.
			<i>Board of Directors</i>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	60	
<input type="checkbox"/>	<input checked="" type="checkbox"/>		<ul style="list-style-type: none"> 61. Remuneration of Directors Subject to the provisions of the Act, the Chairman or Managing Director or any other functional Directors who is/are in the whole-time employment of the Company may be paid remuneration either by way of a monthly payment or at a specified percentage of the net profit of the Company or partly by one way and partly by the other, keeping in view the limiting provisions governing the Managerial remuneration under the provisions of the Act. ? Subject to the provisions of the Act, a Director, who is neither in the whole-time employment nor a Chairman cum Managing Director of the Company may be paid remuneration either:- ? (a) by way of monthly, quarterly or annual payment with the approval of the Central Government, or ? (b) by way of commission if the Company by a special resolution authorizes such payment; and ? The sitting fee payable to a Director (excluding Whole-time Director) for attending a meeting of the Board or Committee thereof shall be such sum as may be fixed by the Board provided that the same shall not exceed Rs. 1,00,000/- or such other sum as prescribed in the Act as amended from time to time. ? Travelling expenses incurred by Director going out on Company's Business ? The Board may allow and pay to any Director who is not a bona-fide resident of the place where the Registered Office of the Company or where the meetings of the Board are actually held and who has to come to such place for the purpose of attending any meeting, such sum as the Board may consider fair compensation for travelling, boarding, lodging and other actual incidental expenses, in addition to his fee for attending such meeting as specified above. If any Director be called upon to go or reside out of the bonafide place of his residence on the Company's business, he shall be entitled to be paid and reimbursed any travelling or other actual expenses incurred by him in connection with the business of the Company.
<input type="checkbox"/>	<input checked="" type="checkbox"/>		<ul style="list-style-type: none"> 62. When office of Directors to become Vacant Subject to Section 167 of the Act, the office of a Director shall become vacant if:- ? (a) he incurs any of the disqualifications specified in section 164 under the act; (b) he absents himself from all the meetings of the Board of Directors held during a period of twelve months with or without seeking leave of absence of the Board; (c) he acts in contravention of the provisions of entering into contracts or arrangements in which he is directly or indirectly interested; (d) he fails to disclose his interest in any contract or arrangement in which he is directly or indirectly interested; ?(e) he becomes disqualified by an order of a court or the Tribunal; (f) he is convicted by a court of any offence, whether involving moral turpitude or otherwise and sentenced in respect thereof to imprisonment for not less than six months; Provided that the office shall be vacated by the director even if he has filed an appeal against the order of such court; ?(g) he is removed in pursuance of the provisions of this Act; (h) he, having been appointed a director by virtue of his holding any office or

			other employment in the holding, subsidiary or associate company, ceases to hold such office or other employment in that company.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	63	<ul style="list-style-type: none">63. Directors may contract with Company Except with the consent of the Board of Directors given by a resolution at a meeting of the Board and subject to such conditions, the company shall not enter into any contract or arrangement with a related party with respect to: (a) sale, purchase or supply of any goods or materials; (b) selling or otherwise disposing of, or buying, property of any kind; (c) leasing of property of any kind; (d) availing or rendering of any services; (e) appointment of any agent for purchase or sale of goods, materials, services or property; (f) such related party's appointment to any office or place of profit in the company, its subsidiary company or associate company; (g) underwriting the subscription of any securities or derivatives thereof, of the company. Every contract or arrangement entered as related party transaction shall be referred in the Board's report to the shareholders along with the justification for entering into such contract or arrangement.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	64	<ul style="list-style-type: none">64.1 Disclosure of interest by Directors 1) Every Director of the Company, who is in any way, whether directly or indirectly, concerned or interested in a contract or arrangement, or proposed by Directors interested in a contract or arrangement, or proposed contract or arrangement entered into or to be entered into, by or on behalf of the Company, shall disclose the nature of his concern or interest at every financial year or whenever there is change in the disclosure of interest. (2) Nothing in sub-clause (1) of this Article shall apply to any contract or arrangement entered into or to be entered into between the Company and any other company, where any of the Directors of the Company or two or more of the Directors together holds or hold not more than two per cent of the paid-up share capital in the other company ? 64.2 Interested Directors not to participate or vote in Board's proceedings An interested director, who is in any way, whether by himself or through any of his relatives or firm, body corporate or other association of individuals in which he or any of his relatives is a partner, director or a member, interested in a contract or arrangement, or proposed contract or arrangement, entered into or to be entered into by or on behalf of a company, shall, take any part in the discussion of, or vote on any contract or arrangement entered into, or to be entered into, by or on behalf of the Company, if he is in any way, whether directly or indirectly, concerned or interested in such contract or arrangement, nor shall his presence count for the purpose of forming a quorum at the time of any such discussion or vote, and if he does vote, his vote shall be void. ? A contract or arrangement entered into by the company without disclosure or with participation by a director who is concerned or interested in any way, directly or indirectly, in the contract or arrangement, shall be voidable at the option of the company.
<input type="checkbox"/>	<input checked="" type="checkbox"/>		
<input type="checkbox"/>	<input checked="" type="checkbox"/>		<ul style="list-style-type: none">65. Register of Contracts in which Directors are interested The company shall keep registers in accordance with Section 189(1) giving separately the particulars of all contracts or arrangements to which to matter of disclosure of interest by directors and related party transaction applies, in such manner and containing such particulars as may be prescribed and after entering the particulars, such registers shall be placed before the next meeting of the Board

		65	and signed by all the directors present at the meeting and shall within thirty days of appointment make such disclosure as are necessary for the purpose of same. ? The Register shall be kept at the Registered office of the Company and shall be open to inspection at such office shall be open for inspection at such office during business hours and extracts may be taken there from, and copies thereof as may be required by any member of the company shall be furnished by the company to such extent, in such manner, and on payment of same fee as in the case of the Register of Members of the Company.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	66	<ul style="list-style-type: none"> • 66.1 Director may be Director of companies promoted by the Company A Director may become a Director of any other company promoted by the Company, or in which it may be interested as a vendor, shareholder, or otherwise and no such Director shall be accountable for any benefits received as Director or shareholder of such a company except in so far as Section 188 of the Act may be applicable. ? 66.2 Register of Directors and key managerial personnel? and their Shareholding The Company shall keep at its registered office a Register containing such particulars of its Directors and key managerial personnel, Manager as may be prescribed under Section 170 of the Act and shall comply with the provisions of the said Section in all respects. The register shall include the details of securities held by each of them in the company or its holding, subsidiary, subsidiary of company?s holding company or associate companies.
			<i>Proceedings of the Board</i>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	67	<ul style="list-style-type: none"> • 67. Meetings of Directors The Directors may meet together as a Board for the dispatch of business from time to time, so that at least four such meetings shall be held in every year in such a manner that not more than one hundred and twenty days shall intervene between two consecutive meetings of the Board. The Directors may adjourn and regulate their meetings as they think fit.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	68	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	69	<ul style="list-style-type: none"> • The continuing directors may act notwithstanding any vacancy in the Board; but, if and so long as their number is reduced below the quorum fixed by the Act for a meeting of the Board, the continuing directors or director may act for the purpose of increasing the number of directors to that fixed for the quorum, or of summoning a general meeting of the company, but for no other purpose.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	70	<ul style="list-style-type: none"> • 70.1 Committee of Board Subject to the restrictions contained in Section 179, 180 and other applicable provisions of the Act and preceding Articles, the Board may delegate any of its powers to Committees of the Board consisting of such member or members of its body as it may think fit. ? PROVIDED that the Board may, from time to time, revoke, modify and discharge any such Committee of the Board either wholly or in part. Every Committee of the Board so formed shall in the exercise of the powers so delegated conform to any Policy/regulations that may, from time to time, be laid down by the Board. All acts done by any such Committee of the Board in conformity with such regulations and in fulfillment of the purposes of their appointment shall have the like force and effect as if done

			by the Board 70.2 Meeting of Committee how to be Governed The meetings and proceedings of any such Committee of the Board consisting of two or more members shall be governed by the provisions of the act and guidelines laid down for regulating the meetings and proceedings of the Directors, so far as the same are applicable thereto and are not superseded by any regulations made by Directors under the last preceding Article.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	71	<ul style="list-style-type: none">71. Resolution by circulation No resolution on matters shall be deemed to have been duly passed by the Board or by a Committee thereof by circulation, unless the resolution has been circulated in draft, together with the necessary papers, if any, to all the Directors, or? members of the Committee, as the case may be, at their addresses registered with the company in India by hand delivery or by post or by courier, or through such electronic means as may be prescribed and has been approved by a majority of the directors or members, who are entitled to vote on the resolution.? Resolution passed in such circulation shall be made part of the minutes of such meeting. ? Provided that, where not less than one-third of the total number of directors of the company for the time being require that any resolution under circulation must be decided at a meeting, the chairperson shall put the resolution to be decided at a meeting of the Board.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	72	<ul style="list-style-type: none">72. Defects in appointment of Directors not to invalidate actions taken All acts done by any meeting of the Board, or by a Committee of the Board, or by any person acting as a Director shall notwithstanding that it was subsequently noticed that there was some defect in the appointment of such Director or persons acting as aforesaid, or that they, or any of them, were disqualified or had vacated office or that the appointment of any of them had been terminated by virtue of any provisions contained in the Act or these Articles, be as valid as if every such person had been duly appointed and was qualified to be a Director and had not vacated his office or his appointment had not been terminated. ? PROVIDED that nothing in this Article shall be deemed to give validity to acts done by a Director after his appointment had been noticed by the Company to be invalid or to have terminated.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	73	<ul style="list-style-type: none">73. Minutes of proceedings of meetings of the Board (a) The Company shall cause minutes of all proceedings of every meeting of the Board and committee thereof to be kept by making within thirty days of the conclusion of every such meeting record thereof in Minute Book kept for that purpose with their pages consecutively numbered. ? (b) Each page of every such book shall be initialed or signed and the last page of the record of proceedings of each meeting in such book shall be dated and signed by the Chairman of the said meeting or the Chairman of the next succeeding meeting. ? The minute books of the Board and committee meetings shall be preserved permanently and kept in the custody of the company secretary of the company or any director duly authorized by the Board for the purpose and shall be kept in the registered office or such place as Board may decide. The minutes shall also contain:- ? (i) the names of the Directors present at the meeting; And ? (ii) in the case of each resolution passed at the meeting, the names of the Directors, if any, dissenting from, or not concurring with the resolution. ? Nothing? deemed to require the inclusion in any such minutes of any matter which, in the opinion of the Chairman of the

		meeting ? (i) is, or could reasonably be regarded as, defamatory of any person. ? (ii) is irrelevant or immaterial to the proceedings, or ? (iii) is detrimental to the interests of the Company. The Chairman shall exercise an absolute discretion in regard to the inclusion or non-inclusion of any matter in the minutes on the grounds specified in this sub-clause. ? (c) Minutes of meetings kept in accordance with the aforesaid provisions shall be evidence of the proceedings recorded therein.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	74	<ul style="list-style-type: none">74. Powers of Board The Board may exercise all such powers of the Company and do all such acts and things as it is entitled to do under section 179 of the Act and rules made thereunder, or by the Memorandum or Articles of the Company but shall not decide matters required to be exercised or done by the Company in General Meeting. Subject to these Articles no regulation made by the Company in General Meeting shall invalidate any prior act of the Board which would have been valid if that regulation had not been so made.
<input type="checkbox"/>	<input checked="" type="checkbox"/>		<ul style="list-style-type: none">75. Certain powers of the Board Without prejudice to the general powers conferred by the Act and preceding Article and so as not in any way to limit or restrict those powers, and without prejudice to the other powers conferred by these Articles and by General Body, it is hereby declared that the Directors shall have the following powers, that is to say, power:-?(1)? to pay and charge to the capital account of the Company any commission or interest lawfully payable there out under the provisions of Sections 40 of the Act;?(2) Subject to Sections 179 and 180 of the Act, to purchase or otherwise acquire for the Company any property, rights or privileges which the Company is authorised to acquire, at or for such price or consideration and generally on such terms and conditions as they may think fit, and in any such purchase or other acquisition to accept such title as the Directors may believe or may be advised to be reasonably satisfactory;?(3) At their discretion and subject to the provisions of the Act, to pay for any property, rights or privileges acquired by, or services rendered to, the Company either wholly or partially, in cash or in shares, bonds, debentures, mortgages, or other securities of the Company, and any such shares may be issued either as fully paid-up or with such amount credited as paid-up thereon as may be agreed upon, and any such bonds, debentures, mortgages or other securities may be either specially charged upon all or any part of the property of the Company and its uncalled capital or not so charged;?(4) To secure the fulfillment of any contract or engagement entered into by the Company in the normal course of business, by mortgage or charge any of the property of the Company and its uncalled capital for the time being or in such manner as they may think fit;?(5) To accept from any Member, as far as may be permissible by law, a surrender of his shares or any part thereof, on such terms and conditions as shall be agreed upon;?(6) To appoint any person to accept and hold in trust for the Company any property belonging to the Company, in which it is interested, or for any other purposes and to execute and do all such deeds and things as may be required in relation to any such trust, and to provide for the remuneration of such trust or trustees;?(7) To institute, conduct, defend, compound, or abandon any legal proceedings by or against the Company or its officers, or otherwise concerning the affairs of the Company, and also to compound and allow time for payment or satisfaction of any debts

due and of any claim or demand by or against the Company and to refer any differences to arbitration, and observe and execute any awards made thereon;?(8) To act on behalf of the Company in all matters relating to bankruptcy and insolvency;?(9) To make and give receipts, releases, and other discharges for moneys payable to the Company and for the claims and demands of the Company;?(10) Subject to applicable provisions of the Act, to invest and deal with any moneys of the Company not immediately required for the purposes thereof upon such security (not being shares of this Company), or without security and in such manner as they may think fit, and from time to time to vary or realise such investments. Save as provided in Section 187 of the Act, all investments shall be made and held in the Company's own name;?(11) To execute, in the name and on behalf of the Company, in favour of any Director or other person who may incur or going to incur any personal liability whether as principal or surety, for the benefit of the Company, such mortgages of the Company's property (present and future) as they think fit, and any such mortgage may contain a power of sale and such other powers, provisions covenants as shall be agreed upon;?(12) To open account with any bank or banks and to determine from time to time who shall be entitled to sign, on the Company's behalf bills, notes, receipts, acceptances, endorsements, cheques dividend warrants, releases, contracts and documents and to issue the necessary authority for such purpose;?(13) To distribute by way of bonus or commission amongst the staff of the Company on the profits of any particular business or transaction, and to charge such bonus or commission as part of the working expense of the Company;?(14) To provide for the welfare of employees or ex-employees of the Company and their families or connections of such persons, by building or contributing to the building of houses, dwellings or chawls, or by grants of money, pension, gratuities, allowances, bonus or other payments, or by creating, and from time to time subscribing or contributing to provident and other funds, associations, institutions or trusts and by providing or subscribing or contributing towards places of instrument and recreation, hospitals and dispensaries, medical and other attendance and other assistance as the Board shall think fit; and to subscribe or contribute or otherwise to assist or to guarantee money to charitable, benevolent, religious, scientific, national or other institutions or objects which shall have any moral or other claim to support or aid by the Company either by reason of locality of operation, or of public and general utility or otherwise;?(15) Before recommending any dividend, to set aside out of the profits of the Company such sums as they may think proper for depreciation or to a Depreciation Fund, or to an Insurance Fund, or as a Reserve Fund or Sinking Fund or any Special Fund to meet contingencies or to repay debentures or debenture stock; or for special dividends or for equalizing dividends or for repairing, improving, extending and maintaining any of the property of the Company and for such other purposes (including the purposes referred to in the preceding clause), as the Board may, in their absolute discretion, think conducive to the interest of the Company, and subject to Section 179 of the Act, to invest the several sums so set aside or so much thereof as required to be invested, upon such investments (other than shares of the Company) as they may think fit, and from time to time to deal with and vary such investments and dispose of and apply and expend all or any part thereof for the benefit of the Company, in such manner and for such purposes as the Board, in their absolute discretion,

think conducive to the interest of the Company notwithstanding that the matters to which the Board apply or upon which they expend the same or any part thereof, may be matters to or upon which the capital moneys of the Company might rightly be applied or expended, and to divide the Reserve Fund or division of a Reserve Fund to another Reserve Fund or division of a Reserve Fund and with full power to employ the assets constituting all or any of the above funds, including the Depreciation Fund, in the business of the Company or in the purchase or repayment of Debentures or debenture stock, and without being bound to keep the same separate from the other assets, and without being bound to pay interest on the same with power however to the Board at their discretion to pay or allow to the credit of such funds interest at such rate as the Board may think proper;?(16) To appoint and at their discretion remove or suspend such officers such as Executive Director, general managers, managers, secretaries, assistants, supervisors, clerks, agents and servants etc. for permanent, temporary or special services as they may from time to time think fit, and to determine their powers and duties and fix their salaries or emoluments or remunerations and to require security in such instances and to such amounts as they may think fit. And also from time to time to provide for the management and transaction of the affairs of the Company in any specified locality in India or abroad in such manner as they think fit, and the provisions contained in the following sub-clauses shall be without prejudice to the general powers conferred by this sub clause;?(17) From time to time and at any time to establish any number of offices and establishment for properly managing the affairs of the Company in any specified locality in India or elsewhere and to appoint staff for such offices and to fix their remuneration;?(18) Subject to the provisions of the Act, from time to time and at any time, to delegate to any such local Board, or any member or members thereof or any managers or agents so appointed or to any other person(s) any of the powers, authorities, and discretions for the time being vested in the Board, and to authorise the members for the time being of any such local Board, or any of them to fill up any vacancies, therein and to act notwithstanding vacancies and any such appointment or delegation under the preceding and this sub-clause may be made on such terms and subject to such conditions as the Board may think fit, and the Board may at any time remove any person so appointed, and may annul or vary any such delegation;?(19) At any time and from time to time by Power of Attorney under the Seal of the Company, to appoint any person or persons to be the Attorney or Attorneys of the Company for such purposes and with such powers, authorities and discretions (not exceeding those vested in or exercisable by the Board under these presents and excluding the power to make calls and excluding also those which are to be exercised by the Board, in its Meetings) and for such period and subject to such conditions as the Board may from time to time think fit, and any such appointment may (if the Board thinks fit) be made in favour of the members or any of the members of any local Board, established as aforesaid or in favour of any company, or the shareholders, directors, nominees, or managers or any company or firm or otherwise in favour of any persons whether appointed by name or designation by the Board and any such Power of Attorney may contain such powers for the protection or convenience of such Attorney as the Board may think fit, and Board may specifically bestow powers enabling any such delegate or attorneys to sub-delegate all or any of the powers, authorities and discretions for the

			time being vested in them;?(20) Subject to Sections 188 of the Act, for or in relation to any of the matters aforesaid or otherwise for the purposes of the Company, to enter into such negotiations and contracts and rescind and vary such contracts, and execute and do all such acts deeds and things in the name and on behalf of the Company as they may consider expedient;?(21) From time to time to make vary and repeal bye-laws for the regulations of the business of the Company regulate employment of its officers and servants by making service Rules and Regulations;?(22) Maintain proper records at places as per provisions of the Act and where the Company has a branch office, whether in or outside India, the Company shall be deemed to have complied with this Article if proper Books of Account relating to the transactions effected at the branch office are kept at the branch office and proper summarized returns, made up-to-date at intervals of not more than three months, are sent by the branch office to the Company at its Office or other place in India, at which the Company's Books of Accounts are kept as aforesaid;? (23) Ensure proper maintenance of the Books of Account which shall give a true and fair view of the state of the affairs of the Company or branch office, as the case may be, and explain its transactions. The Books of Account and other books and papers shall be open to inspection by any Director during business hours.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	76	<ul style="list-style-type: none"> i. In case of a One Person Company? ii. where the company is having only one director, all the businesses to be transacted at the meeting of the Board shall be entered into minutes book maintained under section 118; iii. such minutes book shall be signed and dated by the director; iv. the resolution shall become effective from the date of signing such minutes by the director.
			Chief Executive Officer, Manager, Company Secretary or Chief Financial Officer
<input type="checkbox"/>	<input checked="" type="checkbox"/>	77	<ul style="list-style-type: none"> • 77. CEO, MANAGER, CS AND CFO Subject to the provisions of the Act, -- ? (i) A chief executive officer, manager, company secretary or chief financial officer may be appointed by the Board for such term, at such remuneration and upon such conditions as it may think fit; and any chief executive officer, manager, company secretary or chief financial officer so appointed may be removed by means of a resolution of the Board; ? (ii) A director may be appointed as chief executive officer, manager, company secretary or chief financial officer
<input type="checkbox"/>	<input checked="" type="checkbox"/>	78	<ul style="list-style-type: none"> • 78. As per provisions of the Act or these regulations requiring or authorising a thing to be done by or to a director and chief executive officer, manager, company secretary or chief financial officer shall not be satisfied by its being done by or to the same person acting both as director and as, or in place of, chief executive officer, manager, company secretary or chief financial officer.??
			The Seal
<input type="checkbox"/>	<input checked="" type="checkbox"/>		<ul style="list-style-type: none"> • 79.1 The Seal its custody and use The Board shall provide a Common Seal for the purpose of the Company, and shall have power, from time to time, to destroy the same and substitute a new Seal in lieu thereof, and the Board shall provide for the safe custody

		79	of the Seal for the time being, and the seal shall never be used except on the authority of the Board or by Committee of the Board as authorised.' 79.2 Deeds how executed Every deed or other instrument, to which the Seal of the Company is required to be affixed, shall unless the same is executed by a duly constituted attorney issued under the seal; be signed by two Directors or one Director and Secretary or some other person authorised by the Board for the purpose: ? PROVIDED that in respect of the Share Certificate, the Seal shall be affixed in accordance with Article as mentioned? above.
			<i>Dividends and Reserve</i>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	80	<ul style="list-style-type: none"> 80. Division of profits and dividends in proportion to amount paid-up ? (a) The profits of the Company, subject to any special rights relating thereto created or authorised to be created by these Articles and subject to the provisions of these Articles, shall be divisible among the Members in proportion to the amount of capital paid-up or credited as paid-up on the shares held by them. ? (b) All dividends shall be apportioned and paid proportionately to the amounts paid or credited as paid on the shares held during any portion or portions of the period in respect of which the dividend is paid, but if any share is issued on terms providing that it shall rank for dividend from a particular date, such share shall rank for dividend accordingly.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	81	<ul style="list-style-type: none"> 81.1 The Company in General Meeting may declare a dividend Company in General Meeting may declare dividends to be paid to Members according to their respective rights, but no dividends shall exceed the amount recommended by the Board, but the Company in General Meeting may declare a smaller dividend. 81.2 Dividends only to be paid out of Profits a) No dividend shall be declared or paid by the Company for any financial year except out of its profits for that year arrived at in the manner set out in Section 123 of the Act. (b) Where, owing to inadequacy or absence of profits in any financial year, any Company proposes to declare dividend out of the accumulated profits earned by it in previous years and transferred by the company to reserves, such declaration of dividend shall not be made except in accordance with such rules as may be made in that behalf. (c) No dividend shall be declared or paid by a company from its reserves other than free reserves. 81.3 Interim Dividend Subject to the provisions of Section 123, the Board may, from time to time, pay the Members such interim dividend as appear to it to be justified by the profits of the Company.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	82	<ul style="list-style-type: none"> 82. Capital paid - up in advance to carry Interest Where capital is paid in advance of calls such capital may carry interest but shall not in respect thereof confer a right to dividend or participate in profits.
<input type="checkbox"/>	<input checked="" type="checkbox"/>		<ul style="list-style-type: none"> 83.1 Retention of dividends until completion of transfer The Board may retain the dividends payable on shares in terms of Section 126 in respect of which any person is entitled to become a Member, or on completion any person under those Articles is entitled to transfer, or until such person shall become a Member in respect of such shares or shall duly transfer the same. 83.2 Transfer of shares must be Registered A transfer of shares shall not pass the right to any dividend declared thereon before the registration of transfer?

		83	<p>Provided that where any instrument of transfer of shares has been delivered to the Company for registration and the transfer of such shares has not been registered by the Company, it shall, notwithstanding anything contained in any other provision of this Act ? a) transfer the dividend in relation to such shares to the Unpaid Dividend Account referred to in Section 124 of the Act unless the Company is authorised by the registered holder of such shares in writing to pay such dividend to the transferee specified in such instrument of transfer ;and ? (b) keep in abeyance in relation to such shares, any offer of rights shares under? clause (a) of sub-section (1) of section 62 of the Act and any issue of fully paid-up bonus shares in pursuance of first proviso to sub-section (5) of section 123 of the Act.</p>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	84	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	85	<ul style="list-style-type: none"> 85. Dividends how remitted (1) Unless otherwise directed any dividend payable in cash may be paid by cheque or warrant or in any electronic mode or by a pay slip or receipt or in any other manner having the force of a cheque or warrant sent through the post to the registered address of the Member or person entitled or in case of joint holders to that one of them first named in the Register in respect of the joint holdings. Every such cheque or warrant shall be made payable to the order of the person to whom it is sent the Company shall not be liable or responsible for any cheque or warrant or pay slip or receipt lost in transmission, or for any dividend lost to the Member or person entitled thereto by the forged endorsement of any cheque or warrant or the forged signature of any pay slip or receipt or the fraudulent recovery of the dividend by any other means. ? (2) Notwithstanding anything contained in these Articles any dividend declared, may be paid by Electronic Clearing System through any Sponsor Bank, after getting registration with the Reserve Bank of India for using this facility and collecting from the members necessary bank mandate in the prescribed format.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	86	<ul style="list-style-type: none"> 86. Dividends and call together Any General Meeting declaring a dividend, may, on the recommendation of the Board, make a call on the Members of such amount as the meeting may fix, but so that the call on each Member shall not exceed the dividend payable to him and so that the call be made payable at the same time as the dividend, and the dividend may, if so arranged between the Company and the Member, be set off against the calls.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	87	<ul style="list-style-type: none"> 87. Unclaimed dividend No unclaimed dividend shall be forfeited and all unclaimed dividends shall be dealt with in accordance with the provisions of Section 124 and other applicable provisions of the Act.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	88	<ul style="list-style-type: none"> 88. No interest against Dividend No dividend shall bear interest against the company.
			<i>Accounts</i>
<input type="checkbox"/>	<input checked="" type="checkbox"/>		<ul style="list-style-type: none"> 89.1 Directors to keep true accounts (a) Every company shall prepare and keep at its? registered office including its branch office

89

or offices or at such other place in India as the Board thinks fit, Books of Accounts and other relevant books and papers and financial statement for every financial year which give a true and fair view of the state of the affairs of the company in accordance with Section 128 of the Act with respect to- (i) all sums of money received and expended by the Company and the matters in respect of which the receipts and expenditure take place; (ii) all sales and purchases of goods by the Company; (iii) the assets and liabilities of the Company; (iv) state of affairs of the company. (b) Where the Board decides to keep all or any of the Books of Account at any place other than the Office of the Company, the Company shall within seven days of the decision file with the Registrar a Notice in writing giving the full address of that other place in accordance with Section 128 of the Act. (c) The company may keep such books of account or other relevant papers in electronic mode in such manner as may be prescribed. (d) The Company shall preserve in good order the Books of Account relating to a period of not less than eight financial years immediately preceding a financial year. The books of account and other relevant books and papers maintained in electronic mode shall remain accessible in India so as to be usable for subsequent reference together with the vouchers relevant to any entry in such Books of Account.

89.2 Inspection of accounts or record by members No Member (not being a director) shall have any right of inspecting any account or books or documents of the Company except as conferred by Section 94 of the Act or authorised by the Board or by the company in general meeting. The Board may determine whether and to what extent and at what time and place and under what conditions or regulations the accounts and books of the Company or any of them may be open to inspection of the Members. Notwithstanding anything to the contrary contained hereinabove, the authorised representative of Promoters shall have a right to inspect the accounts books, plant, facility, documents, records, premises, equipment and machinery and all other property of the Company at convenient time(s), after giving advance notice to the Company.


89.3 Statement of Accounts to be furnished to General Meeting The Directors shall, from time to time, in accordance with Sections 129 and 134 and other applicable provisions of the Act, cause to be prepared and to be laid before the Company in General Meeting, such Balance Sheets, Profit and Loss Accounts and Reports as are required by these Sections.







89.4 Copies shall be sent to each Member Without prejudice to the provisions of Section 101 and subject to the provisions of Section 136 of the Act, a copy of the financial statements, including consolidated financial statements, auditors' report and every other document required by law to be annexed or attached to the Balance Sheet shall at least twenty-one days before the General Body Meeting at which the same are to be laid before the members, be sent to the members of the company, to every trustee for every holder of any debenture issued by the company and to all persons other than such members or trustee, being the person so entitled to attend the General Body Meeting.

89.5 Copy of financial statement to be filed with registrar The Company shall comply with Section 137 of the Act as to filing copies of the Balance Sheet and Profit and Loss Account and documents required to be annexed or attached thereto with the Registrar. ? ?

			Winding up
<input type="checkbox"/>	<input checked="" type="checkbox"/>	90	<ul style="list-style-type: none"> 90. Procedure for winding up If the Company shall be wound up and the assets available for distribution among the members as such shall be insufficient to repay the whole of the paid up capital such assets shall be distributed so that as nearly as may be the losses shall be borne by the members in proportion to the capital paid up or which ought to have been paid up at the commencement of the winding-up on the shares held by them respectively. And if in a winding-up the assets available for distribution among the members shall be more than sufficient to repay the whole of the capital paid up at the commencement of the winding-up, the excess shall be distributed amongst the members in proportion to the capital at the commencement of the winding-up paid up or which ought to have been paid up on the shares held by them respectively. But this Article is to be without prejudice to the rights of the holders of shares issued upon special terms and conditions. 7 If the Company shall be wound up, whether voluntarily or otherwise, the liquidators may, with the sanction of a Special Resolution, divide among the contributions, in specie or kind, any part of the assets of the Company and may, with the like sanction, vest any part of the assets of the Company in Trustees upon such trusts for the benefit of the contributories, or any of them, as the liquidators, with the like sanction, shall think fit.
			Indemnity
<input type="checkbox"/>	<input checked="" type="checkbox"/>	91	<ul style="list-style-type: none"> 91. Officers to be indemnified Subject to provisions of the Act, every Officer of the company shall be indemnified out of the assets of the Company against any liability incurred by him in defending any proceedings, whether civil or criminal, in which judgment is given in his favour or in which he is acquitted or in which relief is granted to him by the court or the Tribunal. Provided that if such person is proved to be guilty, the premium paid on such insurance shall be treated as part of the remuneration.
			Others
<input type="checkbox"/>	<input checked="" type="checkbox"/>	92	

Subscriber Details

S. No.	Subscriber Details				
	*Name, Address, Description and Occupation	DIN / PAN / Passport number	*Place	DSC	Dated
1	PFC CONSULTING LIMITED, having its Registered office at First Floor, Urjanidhi, 1 Barakhamba Lane, Connaught Place ND 110001, through Sh. Sachin Arora, S/o Sh. Prem Lal Arora, Address: F-5, 1903, Supertech, ECO Village, Near Park, Greater Noida, Occupation Service (as Authorised Signatory of PFC Con	AKGPA1434J	New Delhi	 ARORA	08/06/2023

2	SANJAY NAYAK, S/o Sh. JAGABANDHU NAYAK, Address: K-713, Jalvayu Tower Sec 56, Gurgaon, Haryana, 122011, Description: As a Nominee of PFC CONSULTING LIMITED, Occupation: Service	08197193	New Delhi	 Sanjay Nayak Date: 08/06/2023	08/06/2023
3	MANOJ KUMAR RANA, S/o Sh. SUBE SINGH, R/o A-32/E, DDA Flats, Munirka ND 110067, Description: As a Nominee of PFC CONSULTING LIMITED, Occupation: Service	02263302	New Delhi	 Manoj Kumar Rana Date: 08/06/2023	08/06/2023
4	DHARUMAN MANAVAN, S/o Sh. PAMANDI CHINNIAN DHARUMAN, Address: A-703, Saheta Apartment, Plot No-30, Dwarka Sector 4 ND-110078, Description: As a Nominee of PFC CONSULTING LIMITED, Occupation: Service	08102722	New Delhi	 Dharaman Manavalan Date: 08/06/2023	08/06/2023
5	MILIND MADHUSUDAN DAFADE, S/o Sh. MADHUSUDAN GURINATH DAFADE, Address: Flat C-31, Aishwarya M Apppt. Sec-4 Plot No. 17, Dwarka, ND 110078, Description: As a Nominee of PFC CONSULTING LIMITED, Occupation: Service	09587967	New Delhi	 Milind Madhusudan Dafade Date: 08/06/2023	08/06/2023
6	NEERAJ SINGH, S/o Sh. DAYASHANKAR SINGH, Address: C-703, F-2, The Crescent Apartment Sec 50, Noida, Gautam Budha Nagar, UP-201301 Description: As a Nominee of PFC CONSULTING LIMITED, Occupation: Service	08613892	New Delhi	 Neeraj Singh Date: 08/06/2023	08/06/2023
7	SACHIN SHUKLA, S/o Sh. RAJ KUMAR SHUKLA, Address: 4th Floor, House No. 6, H 1 Block, Good Earth City Center South City II, Gurgaon 122018 Description: As a Nominee of PFC CONSULTING LIMITED, Occupation: Service	08613963	New Delhi	 Sachin Shukla Date: 08/06/2023	08/06/2023

Signed before me

Name Prefix (ACA/FCA/ACS/ FCS/ACMA/ FCMA)	*Name of the witness	*Address, Description and Occupation	*DIN / PAN / Passport number / Membership		DSC	Dated
ACS	Garima Grover	D-427, 2nd Floor, Ramphal Chowk, (Backside of Goyalsons) Palam Extn, Sector 7, Dwarka, New Delhi-110075, Occupation Practicing Company Secretary	27100	New Delhi	 GARIMA Grover DIN: 27100	08/06/2023

PFC CONSULTING LIMITED

(A wholly owned subsidiary of PFC Limited)

Regd. Office: First Floor, "Urjanidhi", 1, Barakhamba Lane, Connaught Place,
New Delhi - 110001, Fax: 011-23443996

Annexure - 5 (Colly.)

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GLOBAL INVITATION (THROUGH E-BIDDING ONLY)

FOR SELECTION OF TRANSMISSION SERVICE PROVIDER ON BUILD, OWN, OPERATE AND TRANSFER (BOOT) BASIS FOR INTER-STATE TRANSMISSION PROJECTS

PFC Consulting Limited, a wholly owned subsidiary of Power Finance Corporation Limited (A Government of India Undertaking), invites proposals for setting up of transmission projects on Build, Own, Operate and Transfer (BOOT) basis following single stage two envelope process of "Request for Proposal" (RFP).

Interested bidders may refer to the RFP notification and RFP documents available on the website <https://www.matcecommerce.com> and <https://www.pfcclinda.com>.

The Bidders may obtain the RFP documents on all working days between 10:30 hrs (IST) and 16:00 hrs (IST) from 15/03/2023 to one working day prior to bid submission for the projects mentioned below on payment of a non-refundable fee of Rs. 3,00,000/- or USD 7,000 plus applicable GST @18%, from 9th Floor, Wing - A, Statesman House, Connaught Place, New Delhi - 110001, Tel: 91-11-23443996; Fax: 91-11-23443990; e-mail: pfccl.hp@pfcclinda.com. The RFP documents can also be downloaded from <https://www.matcecommerce.com> and <https://www.pfcclinda.com>, however, in such case, interested party can submit Response to RFP only on submission of non-refundable fee of Rs. 3,00,000/- or USD 7,000 plus applicable GST @18% separately. The survey report and clarification to RFP documents shall be issued to those bidders, who have obtained/ purchased RFP documents by paying requisite fee at least one working day prior to bid submission date. Bidders should regularly visit website to keep themselves updated regarding clarifications/ amendments/ time extensions etc., if any. The important timelines in this regard are as follows:

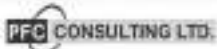
S. No	Name of Transmission Scheme	Last Date for seeking clarifications (dd/mm/yyyy)	Last Date for submission of response to RFP (dd/mm/yyyy)	Date of opening of Response to RFP (dd/mm/yyyy)
1.	Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-I) (Bikaner Complex): PART-A	07/03/2023	21/04/2023 up to 15:00 hrs. (IST)	21/04/2023 up to 15:30 hrs. (IST)
1.	Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-I) (Bikaner Complex): PART-B	07/03/2023	21/04/2023 up to 16:00 hrs. (IST)	21/04/2023 up to 16:30 hrs. (IST)

Note: PFC Consulting Limited reserves the right to cancel or modify the process without assigning any reason and without any liability. This is not an offer.

Bid Process Coordinator

An Initiative of

Initiative Partner



Handwritten signature

True Copy



(A wholly owned subsidiary of PFC Ltd.)
(A Govt. of India Undertaking)

Ministry of Power
Government of India

Central Electricity Authority

**STANDARD SINGLE STAGE REQUEST FOR PROPOSAL
DOCUMENT**

FOR

**SELECTION OF BIDDER AS TRANSMISSION SERVICE PROVIDER
THROUGH TARIFF BASED COMPETITIVE BIDDING PROCESS**

TO

ESTABLISH INTER-STATE TRANSMISSION SYSTEM

FOR

**TRANSMISSION SYSTEM FOR EVACUATION OF POWER FROM
RAJASTHAN REZ PH-IV (PART-1) (BIKANER COMPLEX): PART-B**

ISSUED BY



**Registered Office:
1st Floor, "Urjanidhi", 1, Barakhamba Lane,
Connaught Place, New Delhi-110001**

February 15, 2023

PFC CONSULTING LIMITED
(A wholly owned subsidiary of Power Finance Corporation Limited)

Corporate Office:
9th Floor, A-Wing, Statesman House
Connaught Place, New Delhi-110001

Request for Proposal Document for selection of Bidder as Transmission Service Provider through tariff based competitive bidding process to establish Inter-State Transmission System for “Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): PART-B” is issued by PFC Consulting Limited.

This RFP document is issued to -

M/s. _____

General Manager
PFC Consulting Limited
9th Floor, A-Wing, Statesman House
Connaught Place, New Delhi-110001

Email: pfccl.itp@pfcindia.com

Place: New Delhi

Date:

Signature:

REQUEST FOR PROPOSAL NOTIFICATION

PFC Consulting Limited
(A wholly owned subsidiary of Power Finance Corporation Limited)

Corporate Office:
9th Floor, A-Wing, Statesman House
Connaught Place, New Delhi-110001

1. The Government of India, Ministry of Power, vide its gazette notification no. CG-DL-E-14012023-241990 dated 13.01.2023 has notified PFC Consulting Limited (PFCCL) to be the Bid Process Coordinator (BPC) for the purpose of selection of Bidder as Transmission Service Provider (TSP) to establish Inter-State transmission system for **“Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): PART-B”** through tariff based competitive bidding process.
2. PFC Consulting Limited (PFCCL) (hereinafter referred to as BPC) hereby invites all prospective Bidders for issue of Request for Proposal (RFP) for selection of Bidder as Transmission Service Provider (TSP) on the basis of international competitive bidding in accordance with the “Tariff Based Competitive Bidding Guidelines for Transmission Service” and “Guidelines for Encouraging Competition in Development of Transmission Projects” issued by Government of India, Ministry of Power under section – 63 of The Electricity Act, 2003 and as amended from time to time. The responsibility of the TSP would be to establish the following Inter-State Transmission System – **“Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): PART-B”** (hereinafter referred to as 'Project') on build, own, operate & transfer basis and to provide transmission service:

Transmission System for Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): PART-B		
S. No.	Name of Transmission Element	Scheduled COD in months from Effective Date
1.	<p>Establishment of 765/400 kV, 4x1500 MVA (along with one spare unit of 500 MVA) Neemrana-II S/s along with 2x330 MVar (765 kV) Bus Reactor (along with one spare unit of 110 MVar) & 2x125 MVar (420kV) Bus Reactor at a suitable location near Neemrana</p> <ul style="list-style-type: none"> • 765/400 kV 1500 MVA ICTs – 4 nos. (13x500 MVA including one spare unit) • 330 MVar Bus Reactor-2 nos. (7x110 MVar, including one spare unit) • 765 kV reactor bays- 2 nos. • 125 MVar, 420kV bus reactor - 2 nos. • 420 kV reactor bays - 2 nos. • 765 kV ICT bays – 4 nos. • 400 kV ICT bays – 4 nos. • 400 kV line bays - 6 nos. (4 nos. for LILO of Gurgaon - Sohna Road D/c line & 2 nos. for Kotputli D/c line) 	24 Months

Transmission System for Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): PART-B		
S. No.	Name of Transmission Element	Scheduled COD in months from Effective Date
	Future provisions: Space for <ul style="list-style-type: none"> • 765/400kV ICT along with bays- 2 nos. • 765 kV line bays along with switchable line reactors – 12 nos. • 765 kV Bus Reactor along with bay: 1 no. • 400 kV line bays along with switchable line reactor –6 no. • 400 kV Bus Reactor along with bay: 1 no. • 400kV Sectionalization bays: 2 sets 	
2.	Neemrana-II -Kotputli 400 kV D/c line (Quad)	
3.	2 no. of 400 kV line bays at Kotputli <ul style="list-style-type: none"> • 400 kV line bays at Kotputli - 2 nos. 	
4.	LILO of both ckts of 400 kV Gurgaon (PG) - Sohna Road (GPTL) D/c line (Quad) at Neemrana-II S/s	

Note:

- (i) Provision of suitable sectionalization shall be kept at Neemrana-II S/s at 400kV level to limit short circuit level.
- (ii) POWERGRID to provide space for 2 nos. of 400 kV line bays at Kotputli S/s.

- The TSP shall ensure that design; construction and testing of all equipment, facilities, components and systems of the Project shall be in accordance with the provisions of the Transmission Service Agreement and applicable Rules/ Regulations, Orders and Guidelines issued by the Central Government.
- Transmission License:** The TSP shall obtain the Transmission License from the Commission.
- Bidding Process:** The Transmission Service Provider shall be selected through tariff based competitive bidding process for the Project based on meeting stipulated Qualification Requirements prescribed in Clause 2.1 of Section 2 of RFP and the lowest Quoted Transmission Charges discovered from Final Offers quoted during the e-reverse bidding. The selection of the TSP shall be subject to it obtaining Transmission License from the Commission, which, after expiry, may be further extended by such period as deemed appropriate by the Commission under powers vested with it to amend the conditions of the Transmission License.

The entire bidding process shall be conducted on electronic platform created by MSTC Limited.

The Bid shall be a single stage two envelope bid comprising the Technical Bid and the Financial Bid. The Bidders shall submit the Bid online through the electronic bidding platform. In addition to the online submission, the Bidder with lowest Final Offer will be required to submit original hard copies of Annexure 3, Annexure 4 (if applicable), Annexure

6 (if applicable) and Annexure 14 before issuance of Lol. There shall be no physical submission of the Financial Bid.

The Technical Bid shall be opened first and the Financial Bid of only the bidder who have qualified in the Technical Bid shall be opened. The Financial Bid will comprise of two rounds. In the first round the Initial Offer of the responsive bids would be opened and Quoted Transmission Charges of Initial Offer shall be ranked on the basis of ascending order. The Bidders, in the first fifty per cent of the ranking (with any fraction rounded off to higher integer) or four Bidders, whichever is higher, shall qualify for participating in the electronic reverse auction stage and submit their Final Offer.

6. The objective of the bidding process is to select a Successful Bidder pursuant to this RFP, who shall acquire one hundred percent (100%) of the equity shares of **SPV [which is under incorporation]** along with all its related assets and liabilities as per the provisions of the Share Purchase Agreement, at the Acquisition Price to be intimated by the BPC, twenty (20) days prior to the Bid Deadline.

The **SPV [which is under incorporation]**, of which one hundred percent (100%) equity shares will be acquired by the Selected Bidder, shall be responsible as the TSP, for ensuring that it undertakes ownership, financing, development, design, engineering, procurement, construction, commissioning, operation and maintenance of the Project, and to provide Transmission Service as per the terms of the RFP Project Documents.

The TSP shall ensure transfer of all project assets along with substation land, right of way and clearances to CTU or its successors or an agency as decided by the Central Government after 35 years from COD of project at zero cost and free from any encumbrance and liability. The transfer shall be completed within 90 days after 35 years from COD of project failing which CTU shall be entitled to take over the project assets Suo moto.

7. **Commencement of Transmission Service:** The Bidder shall have to commence Transmission Service in accordance with the provisions of the Transmission Service Agreement.
8. **Transmission Charges:** The Transmission Charges shall be payable by the Designated ISTS Customers in Indian Rupees through the CTU as per Central Electricity Regulatory Commission (Sharing of Inter-State Transmission Charges and Losses) Regulations as amended from time to time. Bidders shall quote the Transmission Charges as per the pre-specified structure, as mentioned in the RFP.
9. **Issue of RFP document:** The detailed terms and conditions for qualification and selection of the Transmission Service Provider for the Project and for submission of Bid are indicated in the RFP document. All those interested in purchasing the RFP document may respond in writing to **General Manager, Tel. +91 11 23443996, Fax +91 11 23443990, Email: pfcl.itp@pfclindia.com** at the address given in para 12 below with a non-refundable fee of **Rs. 5,00,000/- (Rupees Five Lakh Only) or US\$ 7000/- (US Dollars Seven Thousand Only)** plus 18% GST, to be paid via electronic transfer to the following Bank Account:

Bank Account Name : PFC Consulting Limited
Account No. : 000705036117
Bank Name : ICICI Bank
IFSC : ICIC0000007

Branch

: Connaught Place, New Delhi-110001

latest by **April 20, 2023**. Immediately after issuance of RFP document, the Bidder shall submit the Pre-Award Integrity Pact in the format as prescribed in Annexure B, which shall be applicable for and during the bidding process, duly signed on each page by any whole-time Director / Authorized Signatory, duly witnessed by two persons, and shall be submitted by the Bidder in two (2) originals in a separate envelope, duly superscripted with Pre-Award Integrity Pact. The Bidder shall submit the Pre-Award Integrity Pact on non-judicial stamp paper of Rs. 100/- each duly purchased from the National Capital Territory of Delhi. In case the Bidder is in a consortium, the Pre-Award Integrity Pact shall be signed and submitted by each member of the Consortium separately.

The RFP document shall be issued to the Bidders on any working day from February 15, **2023 to April 20, 2023, between 10:30 hours (IST) to 16:00 hours (IST)**. The BPC, on written request and against payment of the above mentioned fee by any Bidder shall promptly dispatch the RFP document to such Bidder by registered mail/ air mail. BPC shall, under no circumstances, be held responsible for late delivery or loss of documents so mailed.

10. **Receipt and opening of Bid:** The Bid must be uploaded online through the electronic bidding platform on or before **16:00 hours (IST) on April 21, 2023**. Technical Bid will be opened by the Bid Opening Committee on the same day at 16:30 hours (IST) in the office of Central Electricity Authority, in the online presence of Bidders' representatives who wish to attend. If the Bid Deadline is a public holiday at the place of submission of Bid, it shall be opened on the next working day at the same time and venue. In addition to the online submission, the Bidder with lowest Final Offer will be required to submit original hard copies of Annexure 3, Annexure 4 (if applicable), Annexure 5 (if applicable) and Annexure 6 before issuance of Lol. Bidders meeting the Qualification Requirements, subject to evaluation as specified in Clause 3.2 to 3.4 shall be declared as "Qualified Bidders" and eligible for opening of Initial Offer.
11. The RFP document is not transferable. BPC reserves the right to reject all Bid and/or annul the process of tariff based competitive bidding for selection of Bidder as TSP to execute the Project without assigning any reason. BPC shall not bear any liability, whatsoever, in this regard.
12. **Nodal person for enquiries and clarifications**

All correspondence and clarification in respect of RFP document shall be addressed to:

General Manager
PFC Consulting Limited
9th Floor, A-Wing, Statesman House
Connaught Place, New Delhi - 110001, India
Tel. + 91-11-23443996
Fax + 91-11-23443990
Email: pfcl.itp@pfcindia.com

DISCLAIMER

1. This Request for Proposal (RFP) document is not an agreement or offer by the BPC to the prospective Bidders or to any other party. The purpose of this RFP document is to provide interested parties with information to assist the formulation of their Bid. The RFP document is based on material and information available in public domain.
2. This RFP, along with its Annexures, is not transferable and the information contained therein are to be used only by the person to whom it is issued. It may not be copied or distributed by the recipient to third parties (other than in confidence to the recipient's professional advisors). In the event that the recipient does not continue with its involvement in the Project in accordance with this RFP, this RFP must be kept confidential.
3. While this RFP has been prepared in good faith, neither the BPC nor its employees or advisors/consultants make any representation or warranty expressed or implied as to the accuracy, reliability or completeness of the information contained in this RFP. The Bidders shall satisfy themselves, on receipt of the RFP document, that the RFP document is complete in all respects. Intimation of any discrepancy shall be given to this office immediately. If no intimation is received from any Bidder within ten (10) days from the date of issue of this RFP document on or before the date & time mentioned in this RFP, it shall be considered that the issued document, complete in all respects, has been received by the Bidders.

This bidding process is in accordance with the Bidding Guidelines issued by Ministry of Power, Government of India under Section 63 of the Electricity Act, 2003. Revisions or amendments in these Bidding Guidelines may cause the BPC to modify, amend or supplement this RFP document, including the RFP Project Documents to be in conformance with the Bidding Guidelines.

4. This RFP document includes statements, which reflect various assumptions arrived at by BPC in order to give a reflection of current status in the RFP. These assumptions should not be entirely relied upon by Bidders in making their own assessments. This RFP document does not purport to contain all the information each Bidder may require and may not be appropriate for all persons. It is not possible for BPC to consider the investment objectives, financial situation and particular needs of each party who reads or uses this RFP document. Certain Bidders may have a better knowledge of the Project than the others. Each Bidder should conduct its own investigations and analysis and should check the accuracy, reliability and completeness of the information in this RFP document and obtain independent advice from appropriate sources.
5. Neither BPC nor their employees or consultants make any representation or warranty as to the accuracy, reliability or completeness of the information in this RFP document.
6. Neither BPC, its employees nor its consultants will have any liability to any Bidder or any other person under the law of contract, tort, the principles of restitution or unjust enrichment or otherwise for any loss, expense or damage which may arise from or be incurred or suffered in connection with anything contained in this RFP document, any matter deemed to form part of this RFP document, the award of the Project, the information supplied by or on behalf of BPC or its employees, any consultants or otherwise arising in any way from the qualification process for the said Project.

7. By participating in the bidding process, each of the Bidder shall have acknowledged and accepted that it has not been induced to enter into such agreement by any representation or warranty, expressed or implied, or relied upon any such representation or warranty by or on behalf of BPC or any person working in the bidding process.
8. BPC may in its absolute discretion, but without being under any obligation to do so, update, amend or supplement this RFP document. Such updations, amendments or supplements, if any, will however be circulated to the Bidders not later than 15 days prior to the last date for submission of Bid.
9. Each Bidder unconditionally agrees, understands and accepts that the BPC reserves the rights to accept or reject any or all Bids without giving any reason. Neither the BPC nor its advisers shall entertain any claim of any nature, whatsoever, including without limitations, any claim seeking expenses in relation to the preparation of Bids.
10. This RFP may be withdrawn or cancelled by the BPC at any time without assigning any reasons thereof. BPC further reserves the right, at its complete discretion to reject any or all of the Bids without assigning any reasons whatsoever.

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DEFINITIONS

Any capitalized term, used but not defined in this RFP, shall have the meaning ascribed to such term in the RFP Project Documents, or the Bidding Guidelines, in that order. In absence of availability of definitions in the foregoing references, the capitalized terms shall be interpreted in accordance with the Electricity Act 2003, Grid Code or any other relevant electricity law, rule or regulation prevalent in India, as amended or re-enacted from time to time, in that order.

The following terms are defined for use in this RFP:

"Acquisition Price" shall have the same meaning as defined in the Share Purchase Agreement;

"Affiliate" shall mean a company that either directly or indirectly

- i. controls or
- ii. is controlled by or
- iii. is under common control with

a Bidding Company (in the case of a single company) or a Member (in the case of a Consortium) and **"control"** means ownership by one entity of at least twenty six percent (26%) of the voting rights of the entity. As an illustration a chart is annexed hereto as Annexure – 12;

"Bid" shall mean Technical Bid and Financial Bid (Initial Offer and Final Offer) submitted by the Bidder, in response to this RFP, in accordance with the terms and conditions thereof;

"Bidder" shall mean either a single company (including its permitted successors and legal assigns) or a Consortium of companies (including its permitted successors and legal assigns) submitting a Bid in response to this RFP. Any reference to the Bidder includes Bidding Company, Bidding Consortium/ Consortium, Member in a Bidding Consortium and Lead Member of the Bidding Consortium jointly and severally, as the context may require;

"Bidding Company" shall refer to such single company (including its permitted successors and legal assigns) that has submitted a Bid for the Project;

"Bidding Consortium/ Consortium" shall refer to a group of companies (including their permitted successors and legal assigns) that has collectively submitted a Bid for the Project;

"Bidding Guidelines" shall mean the "Tariff Based Competitive-Bidding Guidelines for Transmission Service" and "Guidelines for Encouraging Competition in Development of Transmission Projects" issued by Government of India, Ministry of Power under Section – 63 of Electricity Act as amended from time to time;

"Bid Bond" shall mean the unconditional and irrevocable bank guarantee for **Rupees Eighteen Crore Twenty Lakh Only (Rs. 18.20 Crore)**, to be submitted along with the Technical Bid by the Bidder under Clause 2.11 of this RFP, as per the format prescribed in Annexure 14;

"Bid Deadline" shall mean the last date and time for submission of online Bid in response to this RFP, specified in Clause 2.7.1;

"Bid Process Coordinator or BPC" shall mean a person or its authorized representative as notified by the Government of India, responsible for carrying out the process for selection of Bidder who will acquire Transmission Service Provider;

"CEA" shall mean the Central Electricity Authority constituted under Section - 70 of the Electricity Act;

"Commission" or "CERC" shall mean the Central Electricity Regulatory Commission of India constituted under Section-76 of The Electricity Act, 2003 and any successors and assigns;

"Conflict of Interest" A Bidder shall be considered to be in a Conflict of Interest with one or more Bidders in the same bidding process if they have a relationship with each other, directly or through a common company, that puts them in a position to have access to information about or influence the Bid of another Bidder.

Provided that if two or more bidders in the bidding process have formed a Joint Venture Company or Consortium to execute another project, the Bidders will not be considered to have Conflict of Interest;

"Commercial Operation Date (COD)" shall mean the date as per Article 6.2 of the Transmission Service Agreement;

"Consents, Clearances, Permits" shall mean all authorizations, licenses, approvals, registrations, permits, waivers, privileges, acknowledgements, agreements, or concessions required to be obtained from or provided by any concerned authority for the development, execution and performance of Project including without any limitation on the construction, ownership, operation and maintenance of the transmission lines and/or sub-stations;

"Contract Performance Guarantee" shall have the meaning as per Clause 2.12 of this RFP;

"Contract Year" shall mean the period beginning on the Scheduled COD, and ending on the immediately succeeding March 31 and thereafter each period of 12 months beginning on April 1 and ending on March 31 provided that:

- (i) the last Contract Year shall end on the last day of the term of the Transmission Service Agreement;

"Infrastructure sector" shall mean such sectors notified by Department of Economic Affairs in its Gazette Notification no. 13/1/2017-INF dated 14th November, 2017 and as amended from time to time;

"CTU/Central Transmission Utility" shall have same meaning as defined in the Electricity Act, 2003;

"Designated ISTS Customers" or "DICs" shall have the meaning as ascribed in Regulation 2(l) of Central Electricity Regulatory Commission (Sharing of inter-State Transmission Charges and Losses) Regulation 2020 and as amended or modified from time to time;

"Effective Date" shall have the meaning as ascribed thereto in the Transmission Service Agreement;

"Element" shall mean each Transmission Line or each circuit of the Transmission Lines (where there are more than one circuit) or each bay of the Sub-station or switching station or HVDC terminal or inverter station of the Project, including ICTs, Reactors, SVC, FSC, etc. forming part of the ISTS which will be owned, operated and maintained by the concerned ISTS Licensee, and which may have a separate scheduled COD as per Schedule 2 of the Transmission Service Agreement and may have a separate percentage for recovery of Transmission Charges on achieving COD as per Schedule 5 of the Transmission Service Agreement;

"Final Offer" shall mean the Quoted Transmission Charges, required to be submitted as part of the Financial Bid on the electronic bidding platform during the e-reverse bidding stage. In case, no Final Offer is received during the e-reverse bidding stage then the lowest "Initial Offer" shall be deemed to be the Final Offer;

"Financial Bid" shall mean the Initial Offer and Final Offer, containing the Bidder's Quoted Transmission Charges, as per the format at Annexure – 21 of this RFP;

"Financially Evaluated Entity" shall mean the company which has been evaluated for the satisfaction of the financial requirement set forth in Clause 2.1.3 hereof;

"Government" shall mean the Central Government;

"Grid Code" / "IEGC" or "State Grid Code" shall mean the Grid Code specified by the Central Commission under clause (h) of sub-section (1) of Section 79 of the Electricity Act and/or the State Grid Code as specified by the concerned State Commission referred under clause (h) of sub-section (1) of Section 86 of the Electricity Act as applicable;

"Initial Offer" shall mean the Quoted Transmission Charges, required to be submitted as part of the Financial Bid on the electronic bidding platform along with the Technical Bid;

"Inter State Generating Station" or "ISGS" shall mean a Central / other generating station in which two or more states have shares and whose scheduling is to be coordinated by the Regional Load Despatch Centre;

"Inter-State Transmission System" shall have same meaning as defined in the Electricity Act, 2003;

"Lead Member of the Bidding Consortium" or "Lead Member" shall mean a company who commits at least twenty six percent (26%) equity stake in the Project, meets the technical requirement as per Clause 2.1.2 and so designated by other Member(s) in Bidding Consortium;

"Letter of Intent" or "LoI" shall mean the letter to be issued by the BPC to the Bidder, who has been identified as the selected bidder, for award of the Project to such Bidder;

"Member in a Bidding Consortium/Member" shall mean each company in the Bidding Consortium;

"MOP" shall mean the Ministry of Power, Government of India;

"MOEF" shall mean the Ministry of the Environment and Forests, Government of India;

"Nodal Agency" shall mean CTU, which shall execute and implement the Transmission Service Agreement (TSA);

Provided that while taking major decisions, CTU shall consult CEA on technical matters and any other matter it feels necessary.

"Parent Company" shall mean an entity that holds at least twenty six percent (26%) of the paid - up equity capital directly or indirectly in the Bidding Company or in the Member in a Bidding Consortium, as the case may be;

"Qualification Requirements" shall mean the qualification requirements as set forth in Section-2, Clause 2.1 of this RFP;

"Quoted Transmission Charges" shall mean the quoted single annual Transmission Charges submitted online through the electronic bidding platform by the Bidder as part of its Financial Bid as per the format in Annexure – 21 of this RFP;

"RFP" shall mean Request for Proposal document along with all schedules, formats, annexure and RFP Project Documents attached hereto, issued by BPC for tariff based competitive bidding process for selection of bidder who will acquire the TSP through e-reverse bidding to execute the Project, and shall include any modifications, amendments or alterations or clarifications thereto;

"RFP Project Documents" shall mean the following documents to be entered into in respect of the Project, by the parties to the respective agreements:

- a. Transmission Service Agreement (TSA),
- b. Share Purchase Agreement,
- c. Agreement(s) required, if any, under Central Electricity Regulatory Commission (Sharing of Inter-State Transmission Charges and Losses) Regulations as amended from time to time and
- d. Any other agreement, as may be required;

"Scheduled COD" shall have the meaning as ascribed hereto in Clause 2.6 of this RFP;

"Statutory Auditor" shall mean the auditor appointed under the provisions of the Companies Act, 1956 / Companies Act, 2013 (as the case may be) or under the provisions of any other applicable governing law;

"Share Purchase Agreement" shall mean the agreement amongst **PFC Consulting Limited, SPV [which is under incorporation]** and the Successful Bidder for the purchase of one hundred (100%) per cent of the shareholding of the **SPV [which is under incorporation]** for the Acquisition Price, by the Successful Bidder on the terms and conditions as contained therein;

"Successful Bidder" or **"Selected Bidder"** shall mean the Bidder selected pursuant to this RFP to acquire one hundred percent (100%) equity shares of **SPV [which is under incorporation]**, along with all its related assets and liabilities, which will be responsible as the TSP to establish the Project on build, own, operate and transfer basis as per the terms of the Transmission Service Agreement and other RFP Project Documents;

"Survey Report" shall mean the report containing initial information regarding the Project and other details provided as per the provisions of Clause 1.6.2.1.1 of this RFP;

"Technical Bid" shall mean the bid submitted online through the electronic bidding platform, containing the documents as listed out in Clause 2.5.2 of this RFP;

"Technically Evaluated Entity" shall mean the company which has been evaluated for the satisfaction of the technical requirement set forth in Clause 2.1.2 hereof;

"Transmission Charges" shall mean the Final Offer quoted by Selected Bidder and adopted by the Commission, and as computed in terms of the provisions of Schedule 4 of the TSA, payable to the ISTS Licensee by the Designated ISTS Customers, and collected / disbursed by the CTU, as per Central Electricity Regulatory Commission (Sharing of Inter-State Transmission Charges and Losses) Regulations as amended from time to time;

"Transmission License" shall mean the license granted by the Commission in terms of the relevant regulations for grant of such license issued under the Electricity Act, 2003;

"Transmission Service Agreement" or "TSA" shall mean the agreement entered into between Nodal Agency and the TSP, pursuant to which the TSP shall build, own, operate and transfer the Project and make available the assets of the Project on a commercial basis;

"Transmission Service Provider" or "TSP" shall mean **SPV [which is under incorporation]** which has executed the Transmission Service Agreement and which shall be acquired by the Selected Bidder;

"Ultimate Parent Company" shall mean an entity which owns at least twenty six percent (26%) equity in the Bidding Company or Member of a Consortium, (as the case may be) and in the Technically Evaluated Entity and/or Financially Evaluated Entity (as the case may be) and such Bidding Company or Member of a Consortium, (as the case may be) and the Technically Evaluated Entity and/or Financially Evaluated Entity (as the case may be) shall be under the direct control or indirectly under the common control of such entity.

SECTION – 1

INTRODUCTION

SECTION 1

1. INTRODUCTION

- 1.1 The Government of India, Ministry of Power, vide its gazette notification no. CG-DL-E-14012023-241990 dated 13.01.2023 has notified PFC Consulting Limited to be the Bid Process Coordinator (BPC) for the purpose of selection of Bidder as Transmission Service Provider (TSP) to establish Inter-State transmission system for **“Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): PART-B”** through tariff based competitive bidding process.

The BPC hereby invites Bids from all prospective Bidders in accordance with this Request for Proposal (RFP) to select prospective Transmission Service Provider (TSP) in accordance with the “Tariff Based Competitive-Bidding Guidelines for Transmission Service” and “Guidelines for Encouraging Competition in Development of Transmission Projects” issued by Government of India, Ministry of Power under Section – 63 of the Electricity Act. The BPC shall select the Bidder having the prescribed technical and financial capability to become TSP and be responsible for establishing the Project in the state(s) of Rajasthan. The TSP will make the Project available against payment of Transmission Charges, as adopted by the Commission, payable to the TSP, as per Central Electricity Regulatory Commission (Sharing of Inter-State Transmission Charges and Losses) Regulations as amended from time to time.

- 1.2 The TSP will be required to establish the following Inter State Transmission System for **“Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): PART-B”** (hereinafter referred to as ‘Project’) on build, own, operate and transfer basis, and to provide transmission service.

Inter State Transmission System for Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): PART-B		
S. No.	Name of Transmission Element	Scheduled COD in months from Effective Date
1.	<p>Establishment of 765/400 kV, 4x1500 MVA (along with one spare unit of 500 MVA) Neemrana-II S/s along with 2x330 MVAR (765 kV) Bus Reactor (along with one spare unit of 110 MVAR) & 2x125 MVAR (420kV) Bus Reactor at a suitable location near Neemrana</p> <ul style="list-style-type: none"> • 765/400 kV 1500 MVA ICTs – 4 nos. (13x500 MVA including one spare unit) • 330 MVAR Bus Reactor-2 nos. (7x110 MVAR, including one spare unit) • 765 kV reactor bays- 2 nos. • 125 MVAR, 420kV bus reactor - 2 nos. • 420 kV reactor bays - 2 nos. • 765 kV ICT bays – 4 nos. • 400 kV ICT bays – 4 nos. • 400 kV line bays - 6 nos. (4 nos. for LILO of Gurgaon - Sohna Road D/c line & 2 nos. for Kotputli D/c line) 	24 Months

Inter State Transmission System for Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): PART-B		
S. No.	Name of Transmission Element	Scheduled COD in months from Effective Date
	Future provisions: Space for <ul style="list-style-type: none"> • 765/400kV ICT along with bays- 2 nos. • 765 kV line bays along with switchable line reactors – 12 nos. • 765 kV Bus Reactor along with bay: 1 no. • 400 kV line bays along with switchable line reactor –6 no. • 400 kV Bus Reactor along with bay: 1 no. • 400kV Sectionalization bays: 2 sets 	
2.	Neemrana-II -Kotputli 400 kV D/c line (Quad)	
3.	2 no. of 400 kV line bays at Kotputli <ul style="list-style-type: none"> • 400 kV line bays at Kotputli - 2 nos. 	
4.	LILO of both ckts of 400 kV Gurgaon (PG) - Sohna Road (GPTL) D/c line (Quad) at Neemrana-II S/s	

Note:

- (i) Provision of suitable sectionalization shall be kept at Neemrana-II S/s at 400kV level to limit short circuit level.
- (ii) POWERGRID to provide space for 2 nos. of 400 kV line bays at Kotputli S/s.

1.3 Project Description

Renewable Energy Zones (REZs) were identified by MNRE/SECI with a total capacity of 181.5 GW for likely benefits by the year 2030 in eight states. This includes 75 GW REZ potential in Rajasthan comprising of 15 GW Wind and 60 GW Solar. In this regard, a Comprehensive transmission scheme for evacuation of 75GW RE potential from Rajasthan is already evolved. which includes transmission scheme for total evacuation requirement of 7.7GW from Bikaner Complex (Bikaner-II: 3.7 GW, Bikaner-III : 4 GW).

As part of comprehensive system, 765/400/220kV Bikaner -III & 765/400kV Neemrana-II Substations are to be established along with interconnections of Bikaner-III PS with Bikaner(PG)/ Bikaner-II PS through 400kV lines. For further dispersal of power from Bikaner-III PS, 765kV high capacity corridor i.e. Bikaner-III-Neemrana-II -Bareilly (PG) as well as 400kV interconnections with Gurgaon (PG), Sohna Road and Kotputli is also being implemented.

The subject transmission scheme involves establishment of 765/400 kV Neemrana-II Substation and implementation of Neemrana-II- Kotputli 400 kV D/c (Quad) line. Further, scheme also comprises LILO of both ckts of 400 kV Gurgaon (PG) - Sohna Road (GPTL) D/c (Quad) line at Neemrana-II S/s.

Above transmission system was agreed in the 8th CMETS-NR meeting held on 30.06.22, 56th NRPC meeting held on 29.07.22 and 9th National Committee on

Transmission (NCT) held on 28.09.22. Subsequently, Ministry of Power, Government of India, vide its Gazette Notification no. CG-DL-E-14012023-241990 dated 13.01.2023 declared establishment of Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): Part B through tariff based competitive bidding process route as part of “Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex)”.

1.4 Transmission Grid Map

Transmission Grid Map indicating the location of the Project is enclosed as Annexure 18 of this RFP for information and reference of the Bidders.

- 1.5 The objective of the bidding process is to select a Successful Bidder pursuant to this RFP, who shall acquire one hundred percent (100%) of the equity shares of **SPV [which is under incorporation]** along with all its related assets and liabilities as per the provisions of the Share Purchase Agreement, at the Acquisition Price to be intimated by the BPC, twenty (20) days prior to the Bid Deadline.

The **SPV [which is under incorporation]**, of which one hundred percent (100%) equity shares will be acquired by the Selected Bidder, shall be responsible as the TSP, for ensuring that it undertakes ownership, financing, development, design, engineering, procurement, construction, commissioning, operation and maintenance of the Project, and to provide Transmission Service as per the terms of the RFP Project Documents.

The TSP shall ensure transfer of all project assets along with substation land, right of way and clearances to CTU or its successors or an agency as decided by the Central Government after 35 years from COD of project at zero cost and free from any encumbrance and liability. The transfer shall be completed within 90 days after 35 years from COD of project failing which CTU shall be entitled to take over the project assets Suo moto.

1.6 Brief Scope of Work

1.6.1 Scope of Transmission Service Provider

The TSP's scope of work for the Project shall comprise, but not necessarily be limited to the following:

- 1.6.1.1 Establishment, operation and maintenance of the Project on build, own, operate and transfer basis and completion of all the activities for the Project, including survey, detailed project report formulation, arranging finance, project management, necessary Consents, Clearances and Permits (way leave, environment & forest, civil aviation, railway/ road/river/canal/power crossing/PTCC, etc.), land compensation, design, engineering, equipment, material, construction, erection, testing & commissioning. Further, the actual location of substations, switching stations or HVDC terminal or inverter stations in the scope of TSP shall not be beyond 3 Km radius of the location proposed by the BPC in the survey report.

- 1.6.1.2 The TSP shall ensure that design, construction and testing of all equipment, facilities, components and systems of the Project shall be in accordance with Transmission

Service Agreement and applicable Rules/ Regulations, Orders and Guidelines issued by the Central Government.

1.6.1.3 The TSP shall ensure timely completion of entire scope of Project in all respects and its operation and maintenance, as shall be specified in the RFP documents.

1.6.1.4 The TSP shall seek Transmission License from the Commission, as per the provisions of the Electricity Act and regulations made thereunder.

1.6.1.5 The TSP shall seek approval under Section 164 of Electricity Act, from CEA after acquisition of **SPV [which is under incorporation]**. The approval shall be granted by CEA generally within 30 days but in no case later than 45 days from the date of receipt of application (complete in all aspects).

1.6.2 Scope of Bid Process Coordinator (BPC)

BPC's scope of work is briefly outlined hereunder:

1.6.2.1 The BPC has initiated development of the Project and shall be responsible for the tasks in this regard as specified hereunder:

1. Provide to the Bidders a Survey Report for the Project at least forty five (45) days prior to the Bid Deadline. The Survey Report shall include the suggested route with approximate route length, type of terrain likely to be encountered and its likely implication in terms of Right of Way (ROW), statutory clearances, location of substations or converter stations and land area to be acquired for the substation or converter station.
2. To obtain approval for laying of overhead transmission lines under Section 68 of Electricity Act, from the Government at least twenty (20) days prior to Bid Deadline.
3. To initiate acquisition of land for location specific substations, switching stations or HVDC terminal or inverter stations, if required.
4. To initiate process of seeking forest clearance, if required
5. The BPC shall intimate to the Bidders, the Acquisition Price payable by the Selected Bidder to the **PFC Consulting Limited** for the acquisition of one hundred percent (100%) of the equity shareholding of **SPV [which is under incorporation]**, along with all its related assets and liabilities at least twenty (20) days prior to the Bid Deadline.
6. The BPC shall ensure issuance of all finalized RFP Project Documents, at least fifteen (15) days prior to the Bid Deadline.

Provided that for any delay in meeting the above obligations of the BPC within the specified time period above, the Bid Deadline as per Clause 2.7.1 shall be extended on a day for day basis.

1.6.2.2 The details and documents as may be obtained by the BPC/ project specific SPV in relation to the Project shall be handed over to the TSP on an as-is-where-is basis, so that it may take further actions to obtain Consents, Clearances and Permits.

- 1.7 All costs (including direct and indirect) incurred by the BPC/ project specific SPV in connection with the activities concerning the Project shall be recovered from the TSP, which shall be included in the Acquisition Price.
- 1.8 The Project is required to be completed progressively in accordance with the schedule prescribed in this RFP.
- 1.9 A company under the Companies Act, 2013 by the name **SPV [which is under incorporation]** has been incorporated to initiate the activities for execution of the Project. The said company shall be acquired by the successful Bidder as per terms and conditions as may be prescribed in RFP.
- 1.10 The Ministry of Power and the appropriate state government(s) shall provide their support to the TSP, on best endeavor basis, in enabling the TSP to develop the Project.
- 1.11 All Bidders are required to submit their Bid in accordance with the instructions set forth in this RFP.
- 1.12 Once the Successful Bidder is selected, the details and documents as may be obtained by the BPC/ project specific SPV in relation to the Project, shall be handed over to the Successful Bidder on as is where basis, so that it may take further actions to obtain all necessary Consents, Clearances and Permits and the TSP shall not be entitled for any extensions in the Scheduled COD of the Project except as provided for in the TSA.
- 1.13 The assets of the Project shall be made available on a commercial basis as per the terms and conditions of the Transmission Service Agreement and Central Electricity Regulatory Commission (Sharing of Inter-State Transmission Charges and Losses) Regulations as amended from time to time.

SECTION - 2

INFORMATION AND INSTRUCTIONS FOR BIDDERS

SECTION – 2**2. INFORMATION AND INSTRUCTIONS FOR BIDDERS****2.1 Qualification Requirements**

- 2.1.1 The Bidder should be a company duly incorporated under the relevant laws (Bidding Company) or a Consortium of companies (Bidding Consortium) with one of the companies acting as the Lead Member of the Bidding Consortium. The Bidder shall be selected on meeting the Qualification Requirements specified in Section 2 of this RFP, as demonstrated by the Bidder's Technical Bid and the lowest Quoted Transmission Charges discovered from Final Offers quoted during the e-reverse bidding. A Bidding Consortium can participate in the bidding process for the Project if any Member of the Consortium has purchased the RFP document for such Project. Bidder who agree and undertake to procure the products associated with the Transmission System as per provisions of Public Procurement (Preference to Make in India) orders issued by Ministry of Power vide orders No. 11/5/2018 - Coord. dated 28.07.2020 for transmission sector, as amended from time to time read with Department for Promotion of Industry and Internal Trade (DPIIT) orders in this regard, shall be eligible hereunder. Further, it is clarified that Procuring Entity as defined in orders shall deemed to have included Selected Bidder and/ or TSP.

Besides, Department of Expenditure, Ministry of Finance vide Order (Public Procurement No 1) bearing File No. 6/18/2019-PPD dated 23.07.2020, Order (Public Procurement No 2) bearing File No. 6/18/2019-PPD dated 23.07.2020 and Order (Public Procurement No. 3) bearing File No. 6/18/2019-PPD, dated 24.07.2020, as amended from time to time, have issued directions regarding public procurement from a bidder of a country, which shares land border with India are also applicable.

2.1.2 Technical requirement to be met by the Bidding Company or Lead Member of Bidding Consortium

The Bidder must fulfill any one of the following technical requirements:

- (i) Experience of development of projects in the Infrastructure Sector in the last five (5) years with aggregate capital expenditure of not less than **Rs.910 Crore** or equivalent USD (calculated as per provisions in Clause 3.4.1). However, the capital expenditure of each project shall not be less than **Rs.182 Crore** or equivalent USD (calculated as per provisions in Clause 3.4.1).

For this purpose, capital expenditure incurred on projects that have been commissioned/ completed at least seven (7) days prior to Bid Deadline shall be considered. The capital expenditure discussed above shall be as capitalized and reflected in the audited books of accounts of the Technically Evaluated Entity. In case a clearly identifiable part of a project has been put into commercial operation, the capital expenditure on such part of the project shall be considered. The Technically Evaluated Entity must have either executed such projects itself or must have held directly or indirectly at least twenty six percent (26%) of the shareholding in the company that has executed the project(s) from the date of financial closure of the project(s) till the time of

commissioning/completion of such project(s).

OR

- (ii) Experience in construction of project in infrastructure sector: The Technically Evaluated Entity should have received aggregate payments not less than **Rs.910 Crore** or equivalent USD (calculated as per provisions in Clause 3.4.1) from its client(s) for construction works fully completed during the last 5(five) financial years. However, the payment received from each project shall not be less than **Rs.182 Crore** or equivalent USD (calculated as per provisions in Clause 3.4.1).

For this purpose, payments received on projects that have been commissioned/ completed at least seven (7) days prior to Bid Deadline shall be considered. Further only the payments (gross) actually received, during such 5 (five) financial years shall qualify for purposes of computing the technical capacity. For the avoidance of doubt, construction works shall not include cost of land, supply of goods or equipment except when such goods or equipment form part of a turn-key construction contract/ EPC contract for the project. Further, in cases where different individual contracts are signed between same entities for the same project, the cumulative payments received under such individual contracts shall be considered for meeting the qualification requirement.

The Technically Evaluated Entity may be the Bidding Company or the Lead Member of a Consortium or an Affiliate or Parent of such Bidding Company or the Lead Member, as the case may be.

Bidders shall furnish documentary evidence duly certified by authorized signatory of the Bidder who has been issued Power of Attorney in support of their technical capability as defined in Clause 2.1.2 of this RFP.

2.1.3 Financial requirement to be met by the Bidding Company/Bidding Consortium

2.1.3.1 The Bidder must fulfill following financial requirements:

A. Networth:

Networth should be not less than **Rs.364 Crore** or equivalent USD (calculated as per provisions in Clause 3.4.1) computed as the Networth based on unconsolidated audited annual accounts (refer to Note below) of any of the last three (3) financial years as provided in Clause 2.2.3, immediately preceding the Bid Deadline. Also, the Networth of any of the last three (3) financial years should not be negative.

Note: Audited consolidated annual accounts of the Bidder may be used for the purpose of financial criteria provided the Bidder has at least 26% equity in each company whose accounts are merged in the audited consolidated accounts and provided further that the financial capability of such companies (of which accounts are being merged in the consolidated accounts) shall not be considered again for the purpose of evaluation of the Technical Bid. Bidders shall furnish prescribed Annexure 7(A) duly certified by authorized signatory of the Bidder who has been issued Power of Attorney and the Statutory Auditor and separate computation sheet for Networth duly certified by

Statutory Auditor in support of their financial capability as defined in Clause 2.1.3 of this RFP.

2.1.3.2 The Networth shall be computed in the following manner by the Bidder:

A. Networth

=	Equity share capital
Add:	Reserves
Subtract:	Revaluation Reserves
Subtract:	Intangible Assets
Subtract:	Miscellaneous expenditures to the extent not written off and carry forward losses

2.1.3.3 If the Technical Bid is submitted by a Bidding Consortium the financial requirement shall be met individually and collectively by all the Members in the Bidding Consortium. The financial requirement to be met by each Member of the Bidding Consortium shall be computed in proportion to the equity commitment made by each of them for investment in the Project.

2.1.4 The Bidder may seek qualification on the basis of technical and financial capability of its Parent and/ or its Affiliate(s) for the purpose of meeting the Qualification Requirements. However, in the case of the Bidder being a Consortium, the Lead Member has to meet the technical requirement on its own or by seeking the technical capability of its Parent and/or its Affiliate(s). Authorization for use of such technical or financial capability shall have to be provided from its Parent and/or Affiliate(s) as per Annexure 9. The technical and financial capability of a particular company/ particular project, including its Parents and/or Affiliates, shall not be used directly or indirectly by more than one Bidder/ Member of a Bidding Consortium/ Bidding Company. However, development and construction experience of a particular project may be used by more than one company.

The determination of the relationship of Parent or Affiliate with the Bidding Company or with the Member of the Bidding Consortium, including the Lead Member, shall be on the date at the most seven (7) days prior to the last date of submission of the Bid. Documentary evidence to establish such relationship shall be furnished by the Bidder along with the Technical Bid.

If the Technically Evaluated Entity and/or Financially Evaluated Entity is an entity other than the Bidding Company or a Member in a Bidding Consortium, the Bidding Company or Member relying on such Technically Evaluated Entity and/or Financially Evaluated Entity will have to submit a legally binding undertaking supported by a board resolution from the Technically Evaluated Entity and/or Financially Evaluated Entity or its Ultimate Parent Company, that all the equity investment obligations of the Bidding Company or the Member of the Consortium shall be deemed to be equity investment obligations of the Technically Evaluated Entity and/or Financially Evaluated Entity or its Ultimate Parent Company, and in the event of any default the same shall be met by such evaluated entity or by or the Ultimate Parent Company. The Bidding Company or the Consortium Member shall have to provide information and documents relating to its relationship with such Technically Evaluated Entity and/or Financially Evaluated Entity

including details about the equity shareholding between them as per Annexure 7(c).

- 2.1.5 A Bidder shall submit only one Bid in the same bidding process, either individually as Bidding Company or as a Member of a Bidding Consortium (including the Lead Member). It is further clarified that any of the Parent/ Affiliate/Ultimate Parent of the Bidder/ Member in a Bidding Consortium shall not separately participate directly or indirectly in the same bidding process. Further, if any Bidder is having a Conflict of Interest with other Bidders participating in the same bidding process, the Bids of all such Bidders shall be rejected.
- 2.1.6 Notwithstanding anything stated above, BPC reserves the right to verify the authenticity of the documents submitted for meeting the Qualification Requirements and request for any additional information and documents. BPC reserves the right at its sole discretion to contact the Bidder's bank and project references and verify the Bidder's information and documents for the purpose of bid evaluation.
- 2.1.7 The Qualified Bidder(s) will be required to continue to maintain compliance with the Qualification Requirements throughout the bidding process and till execution of the Transmission Service Agreement. Where the Technically Evaluated Entity and/or the Financially Evaluated Entity is not the Bidding Company or a Member in a Bidding Consortium, as the case may be, the Bidding Company or Member shall continue to be an Affiliate of the Technically Evaluated Entity and/or Financially Evaluated Entity till the execution of the Transmission Service Agreement. Failure to comply with the aforesaid provisions shall make the Bid liable for rejection at any stage.
- 2.1.8 The Selected Bidder will be required to continue to maintain compliance with the Qualification Requirements till the COD of the Project. Where the Technically Evaluated Entity and/or the Financially Evaluated Entity is not the Bidding Company or a Member in a Bidding Consortium, as the case may be, the Bidding Company or Member shall continue to be an Affiliate of the Technically Evaluated Entity and/or Financially Evaluated Entity till the COD of the Project. Failure to comply with the aforesaid provisions shall be dealt as per provisions of Transmission Service Agreement.
- 2.1.9 On the Bid Deadline, for the Bidder to be eligible to participate in the bidding process:
- a. the Bidder & any of its Affiliate including any Consortium Member & any of its Affiliate, their directors or key personnel should not have been barred or included in the blacklist by any government agency or authority in India, the government of the jurisdiction of the Bidder or Members where they are incorporated or the jurisdiction of their principal place of business, any international financial institution such as the World Bank Group, Asian Development Bank, African Development Bank, Inter-American Development Bank, Asian Infrastructure Investment Bank etc or the United Nations or any of its agencies; or
 - b. the Bidder & any of its Affiliate including any Consortium Member & any of its Affiliate or their directors should not have been convicted of any offence in India or abroad.

In case any investigation is pending against the Bidder, including any Consortium Member or Affiliate, or CEO or any of the directors/ manager/key managerial personnel

of the Bidder /Consortium /Member or their Affiliates, full details of such investigation including the name of the investigating agency, the charge/offence for which the investigation has been launched, name and designation of persons against whom the investigation has been launched and other relevant information should be disclosed while submitting the Bid.

The Bidders shall confirm the above through a notarized affidavit as per Annexure 22.

2.2 Submission of Bid by the Bidder

- 2.2.1 The information and documents in Technical Bid will be submitted by the Bidder as per the formats specified in Section – 4 (Formats for RFP) of this document
- 2.2.2 Strict adherence to the formats wherever specified, is required. Wherever, information has been sought in specified formats, the Bidder shall refrain from referring to brochures/ pamphlets. Non-adherence to formats and/ or submission of incomplete information may be a ground for declaring the Technical Bid as non-responsive. Each format has to be duly signed and stamped by the authorized signatory of Bidder.
- 2.2.3 The Technical Bid shall contain unconsolidated/consolidated audited annual accounts (consisting of unabridged Balance Sheet, Profit and Loss Account, profit appropriation account, Auditors Report, etc.), as the case may be, of Bidding Company or each Member in Consortium including Lead Member or the Financially Evaluated Entity for the last three (3) financial years immediately preceding the last date for submission of Bid for the purpose of calculation of Networth.

In case the annual accounts for the financial year immediately preceding the Bid Deadline is not audited, the Bidder shall give declaration in this regard duly certified by its statutory auditor. In such a case, the Bidder shall provide the audited annual accounts for the three (3) financial years preceding the financial year as above for which the annual accounts have not been audited.

2.2.4 Bid submitted by a Bidding Consortium:

- 2.2.4.1 The Technical Bid shall contain a legally enforceable Consortium Agreement entered amongst the Members in the Bidding Consortium, designating one of the Members to be the Lead Member (as per Annexure 6). There shall be only one Lead Member which shall continue to hold twenty six percent (26%) equity in the TSP and cannot be changed upto one (1) year from the Commercial Operation Date (COD) of the Project. Each Member in Bidding Consortium shall duly sign the Consortium Agreement making it liable for raising the required funds for its respective equity investment commitment as specified in the Consortium Agreement. In absence of Consortium Agreement, the Technical Bid will not be considered for evaluation and will be rejected.

Provided that the Lead Member of the Bidding Consortium will be required to be liable to the extent of 100% of the total proposed commitment of equity investment of the Bidding Consortium i.e. for both its own equity contribution as well as the equity contribution of other Members.

Provided further that the Consortium Agreement shall not be amended without the explicit approval of the BPC.

The Lead Member of the Consortium will be the single point of contact for the purposes of the bid process before the date of signing of Share Purchase Agreement. Settlement of any dispute amongst the Consortium Members shall not be the responsibility of the BPC and/or the CTU and the BPC and/or the CTU shall not bear any liability whatsoever on this account.

2.2.4.2 The Lead Member should designate at the most two persons to represent the Consortium in its dealings with the BPC. The person(s) designated by the Lead Member should be authorized through a Power of Attorney (as per Annexure 3) to perform all tasks including, but not limited to providing information, responding to enquiries, signing of Technical Bid on behalf of the Consortium, etc. The Bidding Consortium shall provide board resolutions from their respective Boards for committing their respective portion of equity requirement for the Project. Additionally, the Lead member shall provide a Board resolution committing to make good any shortfall in the equity for the project, in case of any member not meeting its equity commitment.

2.2.4.3 The Technical Bid should also contain signed Letter of Consent (as per Annexure 2) from each Member in Consortium confirming that the entire Technical and Financial Bids has been reviewed and each element of the Technical and Financial Bids is agreed to by them including investment commitment for the Project.

In addition, the Technical Bid should also contain Board Resolution from each Member of the Consortium other than the Lead Member in favour of their respective authorized representatives for executing the POA, Consortium Agreement and signing of the requisite formats.

2.2.5 Bid submitted by a Bidding Company

2.2.5.1 The Bidding Company should designate at the most two persons to represent the Bidding Company in its dealings with BPC. The person(s) should be authorized to perform all tasks including, but not limited to providing information, responding to enquiries, signing of Technical and Financial Bids etc. The Bidding Company should submit, along with Technical Bid, a Power of Attorney (as per Annexure 3), authorizing the signatory of the Technical and Financial Bids. The Bidding Company shall submit the board resolution committing 100% of equity requirement for the Project, in the Technical Bid.

2.3 Clarifications & Pre-Bid Meeting

2.3.1 The Bidders may seek clarifications or suggest amendments to the RFP by sending an email to the BPC at the email id indicated in Clause 2.14 within the date and time mentioned in Clause 2.7.2. For any such clarifications or amendments, the Bidders should adhere to the format as per Annexure – 19.

2.3.2 Only those Bidders or their authorized representatives, who have purchased the RFP documents, are invited to attend the pre-bid meeting(s), which will take place on date as specified in Clause 2.7.2, or any such other date as notified by the BPC. The time and address of this would be intimated later.

2.3.3 The purpose of the pre-bid meeting will be to clarify any issues regarding the RFP,

including in particular, issues raised in writing by the Bidders as per the provisions of Clause 2.3.1.

- 2.3.4 Non-attendance at the pre-bid meeting will not be a cause for disqualification of a Bidder.
- 2.3.5 The BPC is not under any obligation to entertain / respond to suggestions made or to incorporate modifications sought for.
- 2.3.6 In case Bidders need any further clarifications not involving any amendments in respect of final RFP, they should ensure that request for such clarification is submitted through e-mail to the BPC at least ten (10) days prior to the Bid Deadline as mentioned in Clause 2.7.1. The BPC may issue clarifications only, as per its sole discretion, which is considered reasonable by it. Any such clarification issued shall be sent to all the Bidders to whom the RFP has been issued. Clarifications sought after this date shall not be considered in any manner and shall be deemed not to have been received. There shall be no extension in Bid Deadline on account of clarifications sought as per this clause 2.3.6.

2.4 Amendment of RFP

- 2.4.1. At any time before the timeline mentioned in Clause 2.7.1, the BPC may, for any reason, whether at its own initiative or in response to clarifications requested by any Bidder modify or amend the RFP, including the timelines specified in Clause 2.7.2 by issuance of addendum/modification/errata and/or revised document. Such document shall be notified in writing through a letter or fax or e-mail to all the entities to whom the RFP has been issued and shall be binding on them. In order to ensure that Bidders have reasonable time to take the modification into account in preparing their Bid, or for any other reasons, BPC may at its discretion, extend the due date for submission of Bid. Late receipt of any addendum/modification/errata and/or revised document will not relieve the Bidder from being bound by that modification.
- 2.4.2. All modifications shall become part of the terms and conditions of this RFP. No interpretation, revision or communication regarding this RFP is valid, unless made in writing.
- 2.4.3. The amendment to the RFP shall be notified to all the Bidders through the electronic bidding platform and shall be binding on them.

2.5 The Bidding Process

The entire bidding process shall be conducted on electronic bidding platform created by **MSTC Limited**. The Bid shall comprise of the Technical Bid and the Financial Bid. The Bidders shall submit the Technical Bid & Financial Bid through the electronic bidding platform. In addition to the online submission, the Bidder with lowest Final Offer will be required to submit original hard copies of Annexure 3, Annexure 4 (if applicable), Annexure 6 (if applicable) and Annexure 14 before issuance of Lol. There shall be no physical submission of the Financial Bid.

Evaluation of Technical Bid will be carried out considering the information and documents furnished by the Bidders as required under this RFP. This step would involve responsiveness check, technical and financial evaluation of the details/

documents furnished by the Bidding Company / Bidding Consortium in support of meeting the Qualification Requirements. Bidders meeting the Qualification Requirements, subject to evaluation as specified in Clause 3.2 to 3.4 shall be declared as “Qualified Bidders” and eligible for opening of Initial Offer. The BPC shall also upload the list of all Qualified Bidders and Non-Qualified Bidders on the bidding portal along with the reasons for non-qualification. Also, the Financial Bids of Qualified Bidders shall be opened after at least 24 hours from the date of declaration of the Technically Qualified Bidders.

The Financial Bid will comprise of two rounds. In the first round the Initial Offer (submitted online along with the Technical Bids) of the responsive bids would be opened and Quoted Transmission Charges of Initial Offer shall be ranked on the basis of ascending order for determination of the Qualified Bidders as provided in Section-III of RFP. The Qualified Bidders, in the first fifty per cent of the ranking (with any fraction rounded off to higher integer) or four Qualified Bidders, whichever is higher, shall qualify for participating in the electronic reverse auction stage and submit their Final Offer.

Provided however, in case only one Bidder remains after the evaluation of Technical Bid as per Clause 3.2, 3.3 and Clause 3.4, the Initial Offer of such Bidder shall not be opened and the matter shall be referred to the Government.

Provided that in the event the number of qualified Technical Bids is between two and four, then each of the qualified Bidder shall be considered as “Qualified Bidders”.

Provided that in the event of identical Quoted Transmission Charges discovered from the Initial Offer having been submitted by one or more Bidders, all such Bidders shall be assigned the same rank for the purposes of determination of Qualified Bidders. In such cases, all the Qualified Bidders who share the same rank till 50% of the rank (with any fraction rounded off to higher integer) determined above, shall qualify to participate in the electronic e-reverse auction stage. In case 50% of the ranks (with any fraction rounded off to higher integer) is having less than 4 (four) Bidders and the rank of the fourth (4th) Bidder is shared by more than one (1) Bidder, then all such Bidders who share the rank of the fourth (4th) Bidder shall qualify to participate in the electronic reverse auction.

The applicable ceiling for electronic reverse bidding shall be the lowest Quoted Transmission Charges discovered from the Initial Offer received from the Qualified Bidders. The Qualified Bidders shall be permitted to place their Final Offer on the electronic bidding platform, which is lower than zero point two five (0.25) % of the prevailing lowest Quoted Transmission Charges.

The initial period for conducting the e-reverse bidding should be 2 hours which will be extended by 30 minutes from the last received bid time, if the bid is received during the last 30 minutes of the scheduled or extended bid time. Subsequently, it will be extended again by 30 minutes from the latest received bid time.

The technical details with respect to access to such electronic platform are provided in Annexure-A (Technical Details with respect to electronic reverse auction).

In case of any technical clarification regarding access to the electronic reverse auction

platform or conduct of the auction process, the Bidders may contact MSTC directly at the address provided in Annexure-A.

2.5.1 Bid Formats

The Bids in response to this RFP will be submitted online through the electronic bidding platform by the Bidders in the manner provided in Clause 2.9. The Bids shall comprise of the following:

2.5.2 Technical Bid comprising of:

1. Covering Letter (as per prescribed format enclosed as **Annexure 1**);
2. Letter of Consent from Consortium Members in **Annexure 2**;
3. Power of attorney issued by the Bidding Company or the Lead Member of the Consortium, as the case may be, in favour of the person signing the Bid, in the format attached hereto as **Annexure 3**.

Additionally, in case of a Bidding Consortium, the power of attorney in favour of the Lead Member issued by the other Members of the Consortium shall be provided in as per format attached hereto as **Annexure 4**. Further, the Lead Member shall furnish Board resolution(s) from each Member of the Consortium other than the Lead Member in favour of their respective authorized representatives for executing the POA and signing of the requisite formats.

Provided that in the event the Bidding Company or the Lead Member of the Consortium or any Member of the Bidding Consortium, as the case may be, is a foreign entity, it may issue Board resolutions in place of power of attorney for the purpose of fulfilling these requirements.

4. Bidder's composition and ownership structure in **Annexure 5**
5. Format for Authorization submitted in Non-Judicial stamp paper duly notarized as per **Annexure 5** from the Bidding Company / each Member of the Consortium authorizing the BPC to seek reference from their respective bankers & others.
6. In case of Bidding Consortium, the Consortium Agreement shall be provided in as per format attached hereto as **Annexure 6**
7. Format of Qualification Requirement (**Annexures 7A, 7B, 7C and 7D**)
8. Bidders Undertakings and details of equity investment in Project (as per prescribed formats 1 and 2 of **Annexure 8**);
9. Authorization from Parent / Affiliate of Bidding Company / Member of Bidding Consortium whose technical / financial capability has been used by the Bidding Company / Member of Bidding Consortium (**Annexure 9**).
10. Undertaking from the Technically / Financially Evaluated Entity(ies) **OR** Undertaking from the Ultimate Parent Company, for total equity investment commitment, in the

prescribed format in **Annexure – 10**, to meet any shortfall in the equity investment by the Selected Bidder in the **SPV [which is under incorporation]**.

Note: The effective Equity holding of the Selected Bidder in the **SPV [which is under incorporation]**, as specified in Clause 2.5.8.1 shall be computed as per the provisions of Clause 2.5.8.3 of this RFP.

Provided further, in case the Bidding Company or Member of a Consortium, (as the case may be) holds at least twenty six percent (26%) equity in such Technically/ Financially Evaluated Entities, whose credentials have been considered for the purpose of meeting the Qualification Requirements as per the RFP, no such Undertaking shall be required from the Technically / Financially Evaluated Entities.

11. Board resolutions, as per prescribed formats enclosed as Annexure – 11, duly certified by the Company Secretary or any Whole-time Director / Manager (supported by a specific Board Resolution), as applicable to the Bidder and mentioned hereunder,
 - (a) Board resolution from the Bidding Company (and any investing Affiliate / Parent Company / Ultimate Parent Company) committing one hundred percent (100%) in aggregate of the equity requirement for the Project - Format-1 of **Annexure 11**;
 - (b) Board resolutions from each of the Consortium Member of the Bidding Consortium (and any investing Affiliate / Parent Company / Ultimate Parent Company) together committing to one hundred percent (100%) in aggregate of equity requirement for the Project, in case Bidder is a Bidding Consortium - Format-1 of **Annexure 11**;
 - (c) In either of the cases as in (a) or (b) above as applicable, Board resolutions as per Format 2 of **Annexure 11** for total equity investment commitment from the Technically / Financially Evaluated Entity(ies) whose technical / financial credentials had been considered for the purpose of meeting Qualification Requirements as per the RFP

OR

Board resolutions as per Format 2 of **Annexure 11** from the Parent Company or the Ultimate Parent Company for total equity investment commitment.

Provided that such Board resolutions, as specified in (a) or (b) or (c) above, in case of a foreign entity, shall be supported by an unqualified opinion issued by an independent legal counsel practicing in the relevant country, stating that the Board resolutions are in compliance with the applicable laws of the respective jurisdictions of the issuing company and the authorizations granted therein are true and valid.

For clarity sake, illustrations identifying which Board Resolution shall be applicable in typical cases are provided in **Annexure 11A**.

12. Format for Illustration of Affiliates at the most seven (7) days prior to Bid Deadline, duly certified by Company Secretary and supported by documentary evidence (**Annexure 12**).

Certified copy of the Register of Members / Demat Account Statement, Share Certificate, Annual Return filed with ROC etc. submitted as documentary evidence along with **Annexure 12**.

13. Disclosure as per **Annexure 13** regarding participation of any related companies in this bidding process.
14. Bid Bond, as per the prescribed format at **Annexure 14**.
15. Checklist for Technical Bid submission requirements as per **Annexure 16**.
16. Last three (3) financial years' unconsolidated / consolidated audited annual accounts / statements, as the case may be, of the Financially Evaluated Entity / Technical Evaluated Entity
17. Unconsolidated audited annual accounts of both the TEE and the Bidding Company/Lead member, as applicable, for the financial years in which financial closure was achieved and the financial year in which the said project was completed / commissioned.
18. Copy of the Memorandum and Articles of Association and certificate of incorporation or other organizational document (as applicable), including their amendments, certified by the Company Secretary of Bidding Company or each Member in case of a Consortium including Lead Member.
19. For each project listed in Annexure 7(D), certified true copy of the certificates of final acceptance and / or certificates of good operating performance duly issued by owners or clients for the project, duly signed by authorized signatory.

In addition to the online submission of above formats through the electronic platform, the Bidder with lowest Final Offer will be required to submit original hard copies of Annexure 3, Annexure 4 (if applicable), Annexure 6 (if applicable) and Annexure 14 before issuance of Lol. In case, there is a discrepancy between the online submission and physical documents, the bid would be out rightly rejected and the bidder shall be construed to have engaged in the fraudulent practice as defined in Clause 2.19.3 with consequences as mentioned in Clause 2.19.2.

2.5.3 Financial Bid (as per prescribed format at Annexure-21)

Financial Bid shall comprise of: (i) the Initial Offer; and (ii) the Final Offer. The Initial Offer is required to be submitted along with the Technical Bid. It is hereby clarified that the Financial Bid will comprise of two rounds. In the first round the Initial Offer of the responsive bids would be opened and Quoted Transmission Charges of Initial Offer shall be ranked on the basis of ascending order for determination of the Qualified Bidders as provided in Section-III of RFP.

In accordance with clause 2.5 of this RFP, the qualified Bidders shall be eligible to participate in the electronic reverse auction and submit their Final Offer.

The applicable ceiling for electronic reverse bidding shall be the lowest Quoted Transmission Charges discovered from the Initial Offer received from the Qualified Bidders. The Qualified Bidders shall be permitted to place their Final Offer on the electronic bidding platform, which is lower than zero point two five (0.25) % of the prevailing lowest Quoted Transmission Charges.

The initial period for conducting the e-reverse bidding should be 2 hours which will be extended by 30 minutes from the last received bid time, if the bid is received during the last 30 minutes of the scheduled or extended bid time. Subsequently, it will be extended again by 30 minutes from the latest received bid time.

The Bidders shall inter-alia take into account the following while preparing and submitting the Initial Offer and Final Offer of Financial Bid:-

- a. The Bidders shall quote single annual Quoted Transmission Charges for a period of 35 years commencing from the Scheduled COD of the Project.
- b. The Quoted Transmission Charges as per the format at Annexure-21 shall be inclusive of all charges and no exclusions shall be allowed. The Bidders shall take into account all costs including capital and operating, statutory taxes, duties, levies. Availability of the inputs necessary for operation and maintenance of the Project should be ensured by the TSP at the Project site and all costs involved in procuring the inputs (including statutory taxes, duties, levies thereof) at the Project site must be included in the Quoted Transmission Charges.
- c. Annexure 21 duly digitally signed by authorized signatory.

2.5.4 Wherever information has been sought in specified formats, the Bidders shall fill in the details as per the prescribed formats and shall refrain from referring to any other document for providing any information required in the prescribed format.

2.5.5 Transmission Charges

2.5.5.1. The Transmission Charges shall be specified in the Transmission Service Agreement and shall be payable to the TSP in Indian Rupees only. The Bidders shall quote single Transmission Charges as per the format at Annexure – 21.

2.5.5.2. The Transmission Charges of the Selected Bidder shall be inserted in Schedule 5 of the Transmission Service Agreement.

2.5.6 Bidders may note that:

- a) All the information and documents in Bid shall be submitted in English language only.
- b) Bidders shall mention the name, designation, telephone number, fax number, email address of the authorized signatory and complete address of the Bidder in the covering letter.
- c) All pages of the Bid submitted shall be initialed and stamped by the authorized signatory on behalf of the Bidder.

- d) A Bidder shall submit only one Bid in the same bidding process, either individually as Bidding Company or as a Member of a Bidding Consortium.
- e) The technical and financial capability of a particular company / particular project (Parent and/ or Affiliate) shall not be used directly or indirectly by more than one Bidder/ Member of a Bidding Consortium including Lead Member / Bidding Company.
- f) This Request for Proposal (RFP) document is not transferable. The RFP document and the information contained therein is for the use only by the Bidder to whom it is issued. It may not be copied or distributed by the recipient to third parties (other than in confidence to the recipient's professional advisors). In the event that the recipient does not continue with its involvement in the Project, this RFP document must be kept confidential.
- g) Though adequate care has been taken while preparing this RFP document, the Bidder shall satisfy himself that the document is complete in all respects. Intimation of any discrepancy shall be given to the BPC immediately. If no intimation is received from any Bidder within ten (10) days from the date of issue of RFP document, it shall be considered that the RFP document is complete in all respects and has been received by the Bidder.
- h) Bids submitted by the Bidder and opened on scheduled date and time as stipulated in this RFP shall become the property of the BPC and BPC shall have no obligation to return the same to the Bidder.
- i) If any Bidder conceals any material information or makes a wrong statement or misrepresents facts or makes a misleading statement in its Bid, in any manner whatsoever, the BPC reserves the right to reject such Bid or cancel the Letter of Intent, if issued. If such event is discovered after the Effective Date, consequences specified in Transmission Service Agreement shall apply.
- j) If for any reason the Bid of the Bidder with the lowest Quoted Transmission Charges is not selected or Letter of Intent issued to such Selected Bidder is cancelled or such Bidder withdraws its Bids, the BPC may :-
- i. Invite all the remaining Bidders to revalidate or extend their respective Bid Security, as necessary, and match the Bid of the Bidder with the lowest Quoted Transmission Charges (the "second round of bidding") with following cases:
- If in the second round of bidding, only one Bidder matches the Bid of the Bidder with lowest Quoted Transmission Charges, it shall be the Selected Bidder.
 - If two or more Bidders match the Bid of the Bidder with the lowest Quoted Transmission Charges in the second round of bidding, then the Bidder whose Quoted Transmission Charges was lower as compared to other Bidder(s) in the first round of bidding shall be the Selected Bidder. For example, if the third and fifth lowest Bidders in the first round of bidding offer to match the Bid of the Bidder with lowest Quoted Transmission Charges in the second round of bidding, the said third lowest Bidder shall be the Successful Bidder.

- In the event that no Bidder offers to match the Bid of the Bidder with the lowest Quoted Transmission Charges in the second round of bidding, the BPC may, in its discretion, invite fresh Bids (the “third round of bidding”) from all Bidders except the Bidder which quoted the lowest Quoted Transmission Charges in the first round of bidding. In case the Bidders are invited for the third round of bidding to revalidate or extend their Bid Security, as necessary, and offer fresh Bids, they shall be eligible for submission of fresh Bids provided, however, that in such third round of bidding only such Bids shall be eligible for consideration which are lower than the Quoted Transmission Charges of the second lowest Bidder in the first round of bidding; or;
- ii. Annul the bid process; or
- iii. Take any such measure as may be deemed fit in the sole discretion of the BPC¹
- k) The BPC may, at its sole discretion, ask for additional information / document and/or seek clarifications from a Bidder after the Bid Deadline, inter alia, for the purposes of removal of inconsistencies or infirmities in its Bid. However, no change in the substance of the Quoted Transmission Charges shall be sought or permitted by the BPC.
- l) Non submission and/or submission of incomplete data/ information required under the provisions of RFP shall not be construed as waiver on the part of BPC of the obligation of the Bidder to furnish the said data / information unless the waiver is in writing.
- m) Bidders shall familiarize itself with the procedures and time frames required to obtain all Consents, Clearances and Permits.
- n) All Bidders are required to ensure compliance with the standards and codes mentioned in Clause 1.6.1.2.
- o) BPC reserves the right to reject all Bids and/or annul the process of tariff based competitive bidding for selection of Bidder as TSP to execute the Project without assigning any reason. BPC shall not bear any liability, whatsoever, in this regard.
- p) Foreign companies submitting the Bid are required to follow the applicable law in their country for execution of POA, Consortium Agreement and affixation of Common Seal (wherever required) and in such cases, their Bid should be supported by an unqualified opinion issued by an independent legal counsel practicing in the relevant country, stating that execution of such POA, Consortium Agreement and the authorizations granted therein are true and valid. Foreign companies executing POA outside India shall necessarily pay the adequate stamp charges in India as per the provisions of Stamp Act.

2.5.7 Bidders to inform themselves fully

- 2.5.7.1. The Bidders shall make independent enquiry and satisfy themselves with respect to all the required information, inputs, conditions and circumstances and factors that may

¹ BPC shall record reasons for the same.

have any effect on his Bid. Once the Bidders have submitted their Bids, the Bidders shall be deemed to have inspected and examined the site conditions (including but not limited to its surroundings, its geological condition and the adequacy of transport facilities to the site), the laws and regulations in force in India, the transportation facilities available in India, the grid conditions, the adequacy and conditions of roads, bridges, railway sidings, ports, etc. for unloading and/or transporting heavy pieces of material and has based its design, equipment size and fixed its price taking into account all such relevant conditions and also the risks, contingencies and other circumstances which may influence or affect the transmission of power. Accordingly, each Bidder acknowledges that, on being selected as Successful Bidder and on acquisition of one hundred percent (100%) of the equity shares of the **SPV [which is under incorporation]**, the TSP shall not be relieved from any of its obligations under the RFP Project Documents nor shall the TSP be entitled to any extension in Scheduled COD mentioned in this RFP or financial compensation for any reason whatsoever.

- 2.5.7.2. In their own interest, the Bidders are requested to familiarize themselves with all relevant laws of India, including without limitation, the Electricity Act 2003, the Income Tax Act 1961, the Companies Act, 1956 / Companies Act, 2013 (as the case may be), Environment Protection Act 1986 and Forest (Conservation) Act, 1980, the Customs Act, the Foreign Exchange Management Act, Land Acquisition Act, 1894, the Indian Telegraph Act 1885, Labour & Employment Laws of India, [Insurance Act] the regulations/standards framed by the Commissions and CEA, all other related acts, laws, rules and regulations prevalent in India, as amended from time to time.

In addition to the above, the Bidders are required to familiarize themselves with all relevant technical codes and standards, including but not limited to the Grid Code / State Grid Code, Central Electricity Authority (Installation and Operations of Meters) Regulations, 2006, Central Electricity Authority (Technical Standards for Connectivity to the Grid) Regulations, 2007, Central Electricity Regulatory Commission Grant of Connectivity, Long-term Access and Medium - Term Open Access in Inter-State Transmission and related matters) Regulations, 2009, Central Electricity Authority (Technical Standards for construction of Electrical Plants and Electric Lines) Regulation, 2010, Central Electricity Authority (Technical Standards for Communication System in Power System Operation) Regulations, 2020, Central Electricity Regulatory Commission (Sharing of Inter-State Transmission Charges and Losses) Regulations, 2020 and other relevant Rules/ Regulations/ Guidelines issued by the Central Government, the CERC and the CEA and amendments thereof.

The BPC shall not entertain any request for clarifications from the Bidders regarding the above laws / acts / rules / regulations / standards. Non-awareness of the same shall not be a reason for the Bidder to request for extension in Bid Deadline. The Bidders undertake and agree that, before submission of their Bid, all such factors as generally brought out above, have been fully investigated and considered while submitting their Bids.

- 2.5.7.3. The Survey Report has been prepared in good faith, and on best endeavor basis. Neither BPC & Nodal Agency nor their employees or advisors/consultants make any representation or warranty, express or implied, or accept any responsibility or liability, whatsoever, in respect of any statements or omissions made in the Survey Report, or the accuracy, completeness or reliability of information contained therein, and shall incur no

liability under any law, statute, rules or regulations as to the accuracy, reliability or completeness of such Survey Report, even if any loss or damage is caused to the Bidders by any act or omission on their part.

- 2.5.7.4. Bidders shall make best efforts and carry out its own due diligence upon survey report provided by BPC and shall consider all possible techno-commercial factors before submission of Bid. Bidders may also visit the route of the Transmission Lines associated with the Project and the surrounding areas and obtain / verify all information which they deem fit and necessary for the preparation of their Bid. Bidders may also carry out required surveys and field investigation for submission of their Bid. Bidders may also opt for any other route and is not bound to follow the route suggested in survey report provided by BPC.
- 2.5.7.5. Failure to investigate, examine and to inspect site or subsurface conditions fully shall not be grounds for a Bidder to alter its Bid after the Bid Deadline nor shall it relieve a Bidder from any responsibility for appropriately eliminating the difficulty or costs of successfully completing the Project.
- 2.5.7.6. The Selected Bidder shall obtain all necessary Consents, Clearances and Permits as required. The Bidders shall familiarize itself with the procedures and time frame required to obtain such Consents, Clearances and Permits.
- 2.5.7.7. The technical requirements of integrated grid operation are specified in the Indian Electricity Grid Code (IEGC). The Bidders should particularly acquaint themselves with the requirements of connection conditions, operating code for regional grids, scheduling and dispatch instructions/codes, etc. The Bidders are also advised to fully familiarize themselves with the real time grid conditions in the country. Information regarding grid parameters such as voltage and frequency is available on the websites of Regional / State Load Despatch Centres.

2.5.8 Minimum Equity holding/Equity Lock-in

- 2.5.8.1. (a) The aggregate equity share holding of the Selected Bidder, in the issued and paid up equity share capital of **SPV [which is under incorporation]** shall not be less than Fifty one percent (51%) up to a period of (1) one year after COD of the Project;
- (b) In case the Selected Bidder is a Bidding Consortium, then any Member (other than the Lead Member) of such Bidding Consortium shall be allowed to divest its equity as long as the other remaining Members (which shall always include the Lead Member) hold the minimum equity specified in (a) above.
- (c) If equity is held by the Affiliates, Parent Company or Ultimate Parent Company, then subject to the second proviso of this Clause 2.5.8.1 (c), such Affiliate, Parent Company or Ultimate Parent Company shall be permitted to transfer its shareholding in **SPV [which is under incorporation]** to another Affiliate or to the Parent Company / Ultimate Parent Company. If any such shareholding entity, qualifying as an Affiliate / Parent Company / Ultimate Parent Company, is likely to cease to meet the criteria to qualify as an Affiliate / Parent Company / Ultimate Parent Company, the shares held by such entity shall be transferred to another Affiliate / Parent Company / Ultimate Parent Company.

Provided that in case the Lead Member or Bidding Company is holding equity through Affiliate/s, Ultimate Parent Company or Parent Company, such restriction shall apply to such entities.

Provided further, that the aggregate equity share holding of the Bidding Consortium or a Bidding Company in the issued and paid up equity share capital of **SPV [which is under incorporation]** shall not be less than fifty one percent (51%) up to a period of one (1) year after COD of the Project and the lead Member of the Consortium shall have the equity share holding not less than twenty six percent (26%). In case the Selected Bidder is a Bidding Consortium, then any Member (other than the Lead Member) of such Bidding Consortium shall be allowed to divest its equity as long as the other remaining Members (which shall always include the Lead Member) hold the minimum equity specified in (a) above.

(d) All transfer(s) of shareholding of **SPV [which is under incorporation]** by any of the entities referred to above, shall be after prior written intimation to the Nodal Agency.

2.5.8.2. The Selected Bidder may invest in the equity share capital of **SPV [which is under incorporation]** through its Affiliate(s) or Ultimate Parent Company or Parent Company. Details of such investment will have to be specified in the Technical Bid as per Format 2 of Annexure 8 of the RFP. If the Selected Bidder so invests through any Affiliate(s) or Ultimate Parent Company or Parent Company, the Selected Bidder shall be liable to ensure that minimum equity holding/lock-in limits specified in Clause 2.5.8.1 and as computed as per the provisions of Clause 2.5.8.3 are still maintained.

2.5.8.3. For computation of effective Equity holding, the Equity holding of the Selected Bidder or its Ultimate Parent Company in such Affiliate(s) or Parent Company and the equity holding of such Affiliate (s) or Ultimate Parent Company in **SPV [which is under incorporation]** shall be computed in accordance with the example given below:

If the Parent Company or the Ultimate Parent Company of the Selected Bidder A directly holds thirty percent (30%) of the equity in **SPV [which is under incorporation]** then holding of Selected Bidder A in **SPV [which is under incorporation]** shall be thirty percent (30%);

If Selected Bidder A holds thirty percent (30%) equity of the Affiliate and the Affiliate holds fifty percent (50%) equity in **SPV [which is under incorporation]**, then for the purposes of ascertaining the minimum equity/equity lock-in requirements specified above, the effective holding of Bidder A in **SPV [which is under incorporation]** shall be fifteen percent (15%), (i.e., $30\% \times 50\%$);

2.5.8.4. The provisions as contained in this Clause 2.5.8 and Article 19.1 of the Transmission Service Agreement shall override the terms of the Consortium Agreement submitted by the Bidder as part of the RFP.

2.6 Project Schedule

2.6.1. All Elements of the Project are required to be commissioned progressively as per the schedule given in the following table;

Sl. No.	Name of the Transmission Element	Scheduled COD	Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project	Element(s) which are pre-required for declaring the commercial operation (COD) of the respective Element
1.	<p>Establishment of 765/400 kV, 4x1500 MVA (along with one spare unit of 500 MVA) Neemrana-II S/s along with 2x330 MVAR (765 kV) Bus Reactor (along with one spare unit of 110 MVAR) & 2x125 MVAR (420kV) Bus Reactor at a suitable location near Neemrana</p> <ul style="list-style-type: none"> • 765/400 kV 1500 MVA ICTs – 4 nos. (13x500 MVA including one spare unit) • 330 MVAR Bus Reactor- 2 nos. (7x110 MVAR, including one spare unit) • 765 kV reactor bays- 2 nos. • 125 MVAR, 420kV bus reactor - 2 nos. • 420 kV reactor bays - 2 nos. • 765 kV ICT bays – 4 nos. • 400 kV ICT bays – 4 nos. • 400 kV line bays - 6 nos. (4 nos. for LILO of Gurgaon -Sohna Road 	24 months from SPV transfer	100%	All elements of scheme are required to be commissioned simultaneously as their utilization is dependent on each other.

Sl. No.	Name of the Transmission Element	Scheduled COD	Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project	Element(s) which are pre-required for declaring the commercial operation (COD) of the respective Element
	D/c line & 2 nos. for Kotputli D/c line) Future provisions: Space for <ul style="list-style-type: none"> • 765/400kV ICT along with bays- 2 nos. • 765 kV line bays along with switchable line reactors – 12 nos. • 765 kV Bus Reactor along with bay: 1 no. • 400 kV line bays along with switchable line reactor –6 no. • 400 kV Bus Reactor along with bay: 1 no. • 400kV Sectionalization bays: 2 sets 			
2.	Neemrana-II -Kotputli 400 kV D/c line (Quad)			
3.	2 no. of 400 kV line bays at Kotputli			
4.	LILO of both ckts of 400 kV Gurgaon (PG) - Sohna Road (GPTL) D/c line (Quad) at Neemrana-II S/s			

Note:

- (i) Provision of suitable sectionalization shall be kept at Neemrana-II S/s at 400kV level to limit short circuit level.
- (ii) POWERGRID to provide space for 2 nos. of 400 kV line bays at Kotputli S/s.

The payment of Transmission Charges for any Element irrespective of its successful commissioning on or before its Scheduled COD shall only be considered after successful

commissioning of the Element(s) which are pre-required for declaring the commercial operation of such Element as mentioned in the above table.

Scheduled COD for the Project: 24 Months from Effective Date.

2.7 Due dates

2.7.1. The Bidders should submit the Bids online through the electronic bidding platform before the Bid Deadline i.e. on or before **16:00 hours (IST) on April 21, 2023**. In addition to the online submission, the Bidder with lowest Final Offer will be required to submit original hard copies of Annexure 3, Annexure 4 (if applicable), Annexure 6 (if applicable) and Annexure 14 before issuance of Lol.

2.7.2. Important timelines are mentioned below:

Date	Event
15.02.2023	Issuance of RFP
07.03.2023	Submission of written clarifications/amendments, if any, on the RFP / RFP Project Documents by Bidders so as to reach BPC by 1700 hours. Such written clarifications/amendments shall be in the format provided in Annexure-20.
14.03.2023	Pre-Bid meeting(s)
27.03.2023	Issue of written clarifications and revised RFP documents
06.04.2023	Issue of final RFP Project Documents
21.04.2023	Submission of Bid (Online submission of Bid through electronic bidding portal)
21.04.2023	Opening of Technical Bid
01.05.2023	Shortlisting and announcement of Qualified Bidders on bidding portal
02.05.2023	Opening of Financial Bid - Initial Offer
03.05.2023	Electronic reverse auction (Financial Bid – Final Offer) for the Qualified Bidders.
08.05.2023	Submission of original hard copies of Annexure 3, Annexure 4, Annexure 6, as applicable and Annexure 14 by the bidder with lowest Final Offer
11.05.2023	Selection of Successful Bidder and issue of LOI
22.05.2023	Signing of RFP Project Documents and transfer of SPV [which is under incorporation]

2.7.3. To enable BPC to meet the schedule, all Bidders are expected to respond expeditiously during the bidding process. If any milestone/activity falls on a day which is not a working day or which is a public holiday then the milestone/activity shall be achieved/ completed on the next working day.

2.8 Validity of the Bid

- 2.8.1. The Bid shall remain valid for a period of one hundred and eighty (180) days from the Bid Deadline. The BPC reserves the right to reject any Bid which does not meet aforementioned validity requirement.
- 2.8.2. The BPC may solicit the Bidders' consent for an extension of the period of validity of the Bid. The request and the response, thereafter, shall be in writing. In the event any Bidder refuses to extend its Bid validity as requested by the BPC, the BPC shall not be entitled to invoke the Bid Bond. A Bidder accepting the BPC's request for validity extension shall not be permitted to modify its Bid and such Bidder shall, accordingly, extend the validity of the Bid Bond as requested by the BPC within seven (7) days of such request, failing which the Bid shall not be considered as valid.

2.9 Method of Submission

- 2.9.1. Both the Technical and Financial Bids duly filled in, all formats and supporting shall be scanned and uploaded online through electronic bidding platform in the manner specified in Annexure A
- 2.9.2. It may be noted that Technical Bid shall not contain any information/document relating to Financial Bid. If Technical Bid contains any such information/documents, the BPC shall not be responsible for premature opening of the Financial Bid.

All pages of the Bid, except for the Bid Bond (Annexure 14) and any other document executed on non-judicial stamp paper, forming part of the Bid and corrections in the Bid, if any, must be signed by the authorized signatory on behalf of the Bidder. It is clarified that the same authorized signatory shall sign all pages of the Bid. However, any published document submitted in this regard shall be signed by the authorized signatory at least on the first and last page of such document.

- 2.9.3. No change or supplemental information to a Bid already submitted will be accepted after the Bid Deadline, unless the same is requested for by the BPC as per Clause 2.5.6 (k).

Provided that a Bidder shall always have the right to withdraw / modify its Bid before the Bid Deadline. No Technical Bid or Initial Offer shall be modified, substituted or withdrawn by the Bidder on or after the Bid Deadline.

2.10 Preparation cost

- 2.10.1. The Bidders shall be responsible for all the costs associated with the preparation of the Bid and participation in discussions and attending pre-bid meetings, and finalization and execution of the RFP Project Documents (other than the TSA), etc. BPC shall not be responsible in any way for such costs, regardless of the conduct or outcome of the process of tariff based competitive bidding for selection of Bidder as TSP as per Bidding Guidelines.
- 2.10.2. The cost of this RFP is **Rupees Five Lakh (Rs.5,00,000/-) or U.S. Dollar Seven Thousand Only (US\$7,000 /-) plus GST** as per applicable rate, which shall be non-refundable. This amount shall be paid via electronic transfer to the following Bank Account:

Bank Account Name : PFC Consulting Limited
Account No. : 000705036117
Bank Name : ICICI Bank
IFSC : ICIC0000007
Branch : Connaught Place, New Delhi-110001

Immediately after issuance of RFP document, the Bidder shall submit the Pre-Award Integrity Pact in the format as prescribed in Annexure B, which shall be applicable for and during the bidding process, duly signed on each page by any whole-time Director / Authorized Signatory, duly witnessed by two persons, and shall be submitted by the Bidder in two (2) originals in a separate envelope, duly superscripted with Pre-Award Integrity Pact. The Bidder shall submit the Pre-Award Integrity Pact on non-judicial stamp paper of Rs. 100/- each duly purchased from the National Capital Territory of Delhi. In case the Bidder is in a consortium, the Pre-Award Integrity Pact shall be signed and submitted by each member of the Consortium separately.

2.11 Bid Bond

- 2.11.1. Each Bidder shall submit the Bid accompanied by Bid Bond issued by any of the Banks listed in Annexure-17. The Bid Bond shall be valid for a period of thirty (30) days beyond the validity of the Bid.
- 2.11.2. Subject to the provisions of Clause 2.15.5, the Bid Bond may be invoked by the BPC or its authorized representative, without any notice, demure, or any other legal process upon occurrence of any of the following:
- Bidder withdraws during the period of Bid Validity as specified in this RFP or as extended by mutual consent of the respective Bidder(s) and the BPC
 - Failure to execute the Share Purchase Agreement as per the provisions of Clause 2.15.2; or
 - Failure to furnish the Contract Performance Guarantee as per Clause 2.12; or
 - Failure to acquire one hundred percent (100%) equity shares of **SPV [which is under incorporation]**, along with all its related assets and liabilities, in accordance with the provisions of Clause 2.15.2; or
 - Failure to comply with the provisions of Clause 2.15.5 and Clause 2.15.6, leading to annulment of the award of the Project.
 - Bidders submitting any wrong information or making any misrepresentation in their Bid as mentioned in Clause 2.5.6.

Intimation of the reasons of the invocation of the Bid Bond shall be given to the Selected Bidder by the BPC within three (3) working days after such invocation.

- 2.11.3. The Bid Bond of the Selected Bidder shall be returned on submission of the Contract Performance
- 2.11.4. Guarantee as per Clause 2.12 and the relevant provisions of the Transmission Service

Agreement.

- 2.11.5. The Bid Bond of all the Bidders, whose Bids are declared non-responsive, shall be returned within a period of thirty (30) days after the date on which the Financial Bids are opened.
- 2.11.6. The Bid Bond of all unsuccessful Bidders shall be returned and released by the BPC on the same day on which the **SPV [which is under incorporation]** is transferred to the Selected Bidder. The Bid Bond of the Successful Bidder shall be returned on submission of Contract Performance Guarantee as per Clause 2.12 of this RFP and the provisions of the Transmission Service Agreement.

2.12 Contract Performance Guarantee

- 2.12.1. Within ten (10) days from the date of issue of the Letter of Intent, the Selected Bidder, on behalf of the TSP, will provide to the Nodal Agency the Contract Performance Guarantee for an amount of **Rs 27.30 Crore (Rupees Twenty Seven Crore Thirty Lakh Only)**. The Contract Performance Guarantee shall be initially valid for a period up to three (3) months after the Scheduled COD of the Project and shall be extended from time to time to be valid for a period up to three (3) months after the COD of the Project and thereafter shall be dealt with in accordance with the provisions of the Transmission Service Agreement. The Contract Performance Guarantee shall be issued by any of the banks listed in Annexure-17.
- 2.12.2. In case the Selected Bidder is unable to obtain the Contract Performance Guarantee for the total amount from any one bank specified in Annexure-17, the Selected Bidder may obtain the same from not more than three (3) banks specified in Annexure-17.

2.13 Opening of Bids

- 2.13.1. Technical Bid will be opened by the Bid Opening Committee as per the following time schedule and in the office of Central Electricity Authority, in the online presence of Bidders' representatives who wish to attend:

Opening of Envelope (Technical Bid): **16:30 hours (IST) on April 21, 2023** or such other dates as may be intimated by BPC to the Bidders.

In the event of any of above dates falling on a day which is not a working day or which is a public holiday, then the bids shall be opened on the next working day at the same venue and time.

Opening of Initial Offer: Initial Offer shall be opened by the Bid Opening Committee in presence of the Bid Evaluation Committee at **16:00 hours (IST) on May 02, 2023** in the office of CEA.

- 2.13.2. The following information from each Bid will be read out to all the Bidders at the time of opening of Technical Bid:
 - Name of the Bidding Company / Consortium Members in case of Bidding Consortium.

Information to be provided after opening of Initial Offer:

Only the lowest Initial Offer (s) shall be communicated to all the Qualified Bidders to participate in the e-reverse bidding process. During the e-reverse bidding process only the lowest prevailing bid should be visible to all the bidders on the electronic platform.

2.14 Enquiries

Written clarifications on the RFP and other RFP Project Documents as per Clause 2.3 and 2.4 may be sought from:

General Manager

PFC Consulting Limited

9th Floor, Wing-A, Statesman House,

Connaught Place, New Delhi - 110001

Tel. + 91 11 23443996

Fax + 91 11 23443990

Email: pfcl.itp@pfcindia.com

2.15 Other Aspects

- 2.15.1. The draft of the Transmission Service Agreement has been attached to this RFP. In addition to above, the following documents have also been attached to this RFP:

- a) Share Purchase Agreement

When the drafts of the above RFP Project Documents are provided by the BPC, these RFP Project Documents shall form part of this RFP as per Formats – 1 & 2 of Annexure 20.

Upon finalization of the RFP Project Documents after incorporating the amendments envisaged in Clause 2.4 of this RFP, all the finalized RFP Project Documents shall be provided by BPC to the Bidders at least fifteen (15) days prior to the Bid Deadline.

The Transmission Service Agreement and Share Purchase Agreement shall be signed in required number of originals so as to ensure that one (1) original is retained by each party to the Agreement(s) on the date of transfer of SPV.

- 2.15.2. Within ten (10) days of the issue of the Letter of Intent, the Selected Bidder shall:

- a) provide the Contract Performance Guarantee in favour of the Nodal Agency as per the provisions of Clause 2.12;
- b) execute the Share Purchase Agreement and the Transmission Service Agreement;
- c) acquire, for the Acquisition Price, one hundred percent (100%) equity shareholding of **SPV [which is under incorporation]** from PFC Consulting Limited, who shall sell to the Selected Bidder, the equity shareholding of **SPV [which is under incorporation]**, along with all its related assets and liabilities;

Stamp duties payable on purchase of one hundred percent (100%) of the equity shareholding of **SPV [which is under incorporation]**, along with all its related assets and liabilities, shall also be borne by the Selected Bidder.

Provided further that, if for any reason attributable to the BPC, the above activities are not completed by the Selected Bidder within the above period of ten (10) days as mentioned in this Clause, such period of ten (10) days shall be extended, on a day for day basis till the end of the Bid validity period.

- 2.15.3. After the date of acquisition of the equity shareholding of **SPV [which is under incorporation]**, along with all its related assets and liabilities, by the Selected Bidder,
- i. the authority of the BPC in respect of this Bid Process shall forthwith cease and any actions to be taken thereafter will be undertaken by the Nodal Agency,
 - ii. all rights and obligations of **SPV [which is under incorporation]**, shall be of the TSP,
 - iii. any decisions taken by the BPC prior to the Effective Date shall continue to be binding on the Nodal Agency and
 - iv. contractual obligations undertaken by the BPC shall continue to be fulfilled by the TSP.
 - v. Further, the TSP shall execute the Agreement(s) required, if any, under Central Electricity Regulatory Commission (Sharing of Inter-State Transmission Charges and Losses) Regulations as amended from time to time.
- 2.15.4. Within five (5) working days of the issue of the acquisition of the SPV by the Successful Bidder, the TSP shall apply to the Commission for grant of Transmission License and make an application to the Commission for the adoption of Transmission Charges, as required under Section – 63 of The Electricity Act 2003.
- 2.15.5. If the Selected Bidder / TSP fails or refuses to comply with any of its obligations under Clauses 2.15.2, 2.15.3 and 2.15.4, and provided that the other parties are willing to execute the Share Purchase Agreement and PFC Consulting Limited is willing to sell the entire equity shareholding of **SPV [which is under incorporation]**, along with all its related assets and liabilities, to the Selected Bidder, such failure or refusal on the part of the Selected Bidder shall constitute sufficient grounds for cancellation of the Letter of Intent. In such cases, the BPC / its authorized representative(s) shall be entitled to invoke the Bid Bond of the Selected Bidder.
- 2.15.6. If the TSP fails to obtain the Transmission License from the Commission, it will constitute sufficient grounds for annulment of award of the Project.
- 2.15.7. The annulment of award, as provided in Clauses 2.15.5 and 2.15.6 of this RFP, will be done by the Government on the recommendations of National Committee on Transmission. However, before recommending so, National Committee on Transmission will give an opportunity to the Selected Bidder / TSP to present their view point.
- 2.15.8. The annulment of the award, under Clause 2.15.5 or 2.15.6 of this RFP, shall be sufficient grounds for blacklisting the bidder, whose award has been annulled, for a period of five years or more, as decided by the National Committee on Transmission, provided that the blacklisting shall be done only after giving the bidder an opportunity for showing cause.

2.16 Confidentiality

- 2.16.1. The parties undertake to hold in confidence this RFP and RFP Project Documents and not to disclose the terms and conditions of the transaction contemplated hereby to third parties, except:
- a) to their professional advisors;
 - b) to their officers, contractors, employees, agents or representatives, financiers, who need to have access to such information for the proper performance of their activities;
 - c) disclosures required under Law, without the prior written consent of the other parties of the concerned agreements.

Provided that the TSP agrees and acknowledges that the Nodal Agency may at any time, disclose the terms and conditions of the RFP and RFP Project Documents to any person, to the extent stipulated under the Law or the Bidding Guidelines.

2.17 Right of the BPC to reject any Bid

BPC reserves the right to reject all or any of the Bids/ or cancel the RFP without assigning any reasons whatsoever and without any liability.

- 2.18 Non submission and/or submission of incomplete data/ information required under the provisions of RFP shall not be construed as waiver on the part of BPC of the obligation of the Bidder to furnish the said data / information unless the waiver is in writing.

2.19 Fraudulent and Corrupt Practices

- 2.19.1. The Bidders and their respective officers, employees, agents and advisers shall observe the highest standard of ethics during the Bid process and subsequent to the issue of the Lol Notwithstanding anything to the contrary contained herein, or in the Lol, the BPC shall reject a Bid, withdraw the Lol, as the case may be, without being liable in any manner whatsoever to the Bidder, if it determines that the Bidder has, directly or indirectly or through an agent, engaged in corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice in the Bid process. In such an event, the BPC shall forfeit the Bid Bond, without prejudice to any other right or remedy that may be available to the BPC hereunder or otherwise.
- 2.19.2. Without prejudice to the rights of the BPC under Clause 2.19.1 hereinabove and the rights and remedies which the BPC may have under the Lol, if a Bidder is found by the BPC to have directly or indirectly or through an agent, engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice during the Bid process, or after the issue of the Lol, such Bidder & its Affiliates shall not be eligible to participate in any tender or RFP issued by any BPC for an indefinite period from the date such Bidder is found by the BPC to have directly or indirectly or through an agent, engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practices, as the case may be.

2.19.3. For the purposes of this Clause 2.19, the following terms shall have the meaning hereinafter respectively assigned to them:

- a) **"corrupt practice"** means (i) the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the actions of any person connected with the Bid process (for avoidance of doubt, offering of employment to or employing or engaging in any manner whatsoever, directly or indirectly, any official of the BPC who is or has been associated or dealt in any manner, directly or indirectly with the Bid process or the Lol or has dealt with matters concerning the Transmission Service Agreement or arising there from, before or after the execution thereof, at any time prior to the expiry of one year from the date such official resigns or retires from or otherwise ceases to be in the service of the BPC, shall be deemed to constitute influencing the actions of a person connected with the Bid Process); or (ii) engaging in any manner whatsoever, whether during the Bid Process or after the issue of the Lol or after the execution of the Transmission Service Agreement, as the case may be, any person in respect of any matter relating to the Project or the Lol or the Transmission Service Agreement, who at any time has been or is a legal, financial or technical adviser of the BPC in relation to any matter concerning the Project;
- b) **"Fraudulent practice"** means a misrepresentation or omission of facts or suppression of facts or disclosure of incomplete facts, in order to influence the Bid process;
- c) **"Coercive practice"** means impairing or harming, or threatening to impair or harm, directly or indirectly, any person or property to influence any person's participation or action in the Bid process;
- d) **"undesirable practice"** means (i) establishing contact with any person connected with or employed or engaged by the BPC with the objective of canvassing, lobbying or in any manner influencing or attempting to influence the Bid process; or (ii) having a Conflict of Interest; and
- e) **"Restrictive practice"** means forming a cartel or arriving at any understanding or arrangement among Bidders with the objective of restricting or manipulating a full and fair competition in the Bid process.

SECTION - 3

EVALUATION OF THE TECHNICAL AND FINANCIAL BID

SECTION 3

1. EVALUATION OF BID

3.1. The evaluation process of Technical Bid comprises the following five steps:

- Step I – Responsiveness check
- Step II– Compliance with submission requirements
- Step III– Evaluation of Technical Bids
- Step IV– Evaluation of Financial Bids
- Step V – Bidder Selection

3.2. STEP I – Responsiveness check

The Technical Bid submitted by the Bidder shall be initially scrutinized to establish “Responsiveness”. Subject to clause 2.5.6 (k), any of the following conditions shall cause the Technical Bid to be “Non-responsive”:

- a) Technical Bid that are incomplete.
- b) Technical Bid not signed by authorized signatory and / or stamped in the manner indicated in this RFP.
- c) All pages of the Technical Bid submitted but not initialed by the authorized signatories on behalf of the Bidder.
- d) Technical Bid not including the covering letter as per Annexure 1.
- e) Technical Bid submitted by a Bidding Consortium not including the Consortium Agreement.
- f) Technical Bid contains material inconsistencies in the information and documents submitted by the Bidder, affecting the Qualification Requirements.
- g) Bidder submitting or participating in more than one Bid either as a Bidding Company or as a Member of Bidding Consortium.
- h) More than one Member of the Bidding Consortium or a Bidding Company using the credentials of the same Parent/Affiliate.
- i) Information not submitted in formats specified in the RFP.
- j) Applicable Board resolutions, or any other document, as provided in Clause 2.5.2, not being submitted;
- k) Bid not accompanied by a valid Bid Bond;
- l) Non submission of power of attorney, supported by a Board resolution;
- m) Bid validity being less than that required as per Clause 2.8 of this RFP;

- n) Bid not containing Format-1 (Bidders' Undertakings) of Annexure-8;
- o) Bidder having Conflict of Interest
- p) The Bidder has not submitted a disclosure as per Annexure 13.
- q) Bidders delaying in submission of additional information or clarifications sought by the BPC.
- r) If the Bidder makes any misrepresentation as specified in Clause 3.7.
- s) Bid being conditional in nature.
- t) More than one Member of the Bidding Consortium or a Bidding Company using the credentials of the same Parent/Affiliate.

3.3. STEP II - Compliance with submission requirements

Each Bidder's Technical Bid shall be checked for compliance with the submission requirements set forth in this RFP before the evaluation of Technical Bid is taken up. Annexure 16 and Annexure 11A shall be used to check whether each Bidder meets the stipulated requirements.

3.4. STEP III -Evaluation of Technical Bid

Evaluation of Technical Bid will be carried out considering the information and documents furnished by the Bidders as required under this RFP. This step would involve technical and financial evaluation of the details/ documents furnished by the Bidding Company / Bidding Consortium in support of meeting the Qualification Requirements

3.4.1. Interpolation of financial data.

For the Qualification Requirements data provided by the Bidders in foreign currency, equivalent rupees of Networth will be calculated using bills selling exchange rates (card rate) USD/INR of State Bank of India prevailing on the date of closing of the accounts for the respective financial year as certified by their Banker.

For the purpose of calculating the aggregate capital expenditure/construction experience of the projects completed/ commissioned where such projects are executed outside India and capital expenditure is denominated in foreign currency, bills selling exchange rates (card rate) USD/INR of State Bank of India prevailing on the date of closing of the financial year in which the projects were completed and as certified by their Banker shall be considered.

For the projects executed in the current financial year bills selling (card rate) USD/INR of State Bank of India prevailing on seven (7) days prior to the last date of submission of Technical Bid and as certified by their Banker shall be considered.

For currency other than USD, Bidders shall convert such currency into USD as per the

exchange rates certified by their Banker prevailing on the relevant date and used for such conversion. Such Bidders shall submit necessary certification from their Banker for the exchange rate used in the conversation.

If the exchange rate for any of the above dates is not available, the rate for the immediately available previous day shall be taken into account.

- 3.4.2. Bidders meeting the Qualification Requirements, subject to evaluation as specified in Clauses 3.2 to 3.4 shall be declared as Qualified Bidders and eligible for opening of Initial Offer.
- 3.4.3. The BPC shall upload the list of all Qualified Bidders and Non-Qualified Bidders on the bidding portal along with the reasons for non-qualification.

3.5. STEP IV - Evaluation of Financial Bids

- 3.5.1. The Bids which have been found Qualified by the BPC, based on the Steps I to III as specified above in Clauses 3.2.to 3.4, shall be opened and Quoted Transmission Charges of such Initial Offer shall be ranked on the basis of the ascending Initial Offer submitted by each Qualified Bidder.

Based on such ranking of the Qualified Bidders, in the first fifty per cent of the ranking (with any fraction rounded off to higher integer) or four Qualified Bidders, whichever is higher, shall qualify for participating in the electronic reverse auction.

Provided however, in case only one Bidder remains after the Evaluation of Technical Bid (Steps 1 to III) as per Clause 3.2 to 3.4, the Initial Offer of such Bidder shall not be opened and the matter shall be referred to the Government.

Provided that in the event the number of Qualified Bidders is between two and four, then each of the responsive Bidder shall be considered as Qualified Bidders.

Provided that in the event of identical Quoted Transmission Charges discovered from the Initial Offer having been submitted by one or more Bidders, all such Bidders shall be assigned the same rank for the purposes of determination of Qualified Bidders. In such cases, all Qualified Bidders who shares the same rank till 50% of the rank (with any faction rounded off to higher integer) determined above, shall qualify to participate in the electronic reverse auction stage. In case 50% of the rank is having less than four (4) Bidders and the rank of the fourth (4th) Bidder is shared by more than one Bidder, then all such all such Bidders who share the rank of the fourth Bidder shall qualify to participate in the electronic reverse auction.

- 3.5.2. The Financial Bids comprising of both Initial Offer and Final Offer submitted by the Bidders shall be scrutinized to ensure conformity with the provisions of Clause 2.5.3 of this RFP. Any Bid not meeting any of the requirements as per Clause 2.5.3 of this RFP may cause the Bid to be considered "Non-responsive", at the sole decision of the BPC. Financial Bid not in conformity with the requirement of Sl. No. (c) of Clause 2.5.3 of this RFP shall be rejected.
- 3.5.3 The Bidders shall quote the single annual Quoted Transmission Charges as specified in

the format at Annexure – 21.

3.6. STEP V - Bidder Selection

- 3.6.1. The prevailing lowest Quoted Transmission Charges discovered from Final Offers shall only be displayed during the e-reverse bidding and the Bidder quoting such Final Offer will always remain anonymous during the e-reverse bidding. The Bidder with the prevailing lowest Quoted Transmission Charges discovered from Final Offers at the close of the scheduled or extended period of e-reverse bidding as mentioned in clause 2.5 shall be declared as the Successful Bidder, subject to verification of the original hard copies of Annexure 3, Annexure 4 (if applicable), Annexure 6 (if applicable) and Annexure 14. The Letter of Intent shall be issued to such Successful Bidder in two (2) copies.

However, if no bid is received during the e-reverse bidding stage then the Bidder with lowest quoted initial transmission charges ("Initial Offer") during e-bidding stage shall be declared as the Successful Bidder, subject to verification of the original hard copies of Annexure 3, Annexure 4 (if applicable), Annexure 6 (if applicable) and Annexure 14. The Letter of Intent shall be issued to such Successful Bidder in two (2) copies.

In case, there is a discrepancy between the online submission and physical documents, the bid would be outrightly rejected and the bidder shall be construed to have engaged in the fraudulent practice as defined in Clause 2.19.3 with consequences as mentioned in Clause 2.19.2. Further, in such a case, the provisions of Clause 2.5.6 (j) shall apply.

- 3.6.2. The Selected Bidder shall unconditionally accept the Lol, and record on one (1) copy of the Lol, "Accepted unconditionally", under the signature of the authorized signatory of the Successful Bidder and return such copy to the BPC within seven (7) days of issue of Lol.
- 3.6.3. If the Successful Bidder, to whom the Letter of Intent has been issued, does not fulfill any of the conditions specified in Clauses 2.15.2, 2.15.3 and Clause 2.15.4, then subject to Clause 2.15.5, the BPC reserves the right to annul the award of the Project and cancel the Letter of Intent. Further, in such a case, the provisions of Clause 2.5.6 (j) shall apply.
- 3.6.4. The BPC, in its own discretion, has the right to reject all Bids if the Quoted Transmission Charges are not aligned to the prevailing prices.

3.7. Misrepresentation by the Bidder

If the Bidder conceals any material information or makes a wrong statement or misrepresents facts or makes a misleading statement in the Technical Bid or Bid, as the case may be, in any manner whatsoever, in order to create circumstances for the acceptance of its Technical Bid/Bid, the BPC reserves the right to reject such Technical Bid/Bid, and/ or cancel the Letter of Intent, if issued. Further, in case Letter of Intent is cancelled, consequences as per provisions of the RFP shall follow.

3.8. Disposition of Technical Bid

- 3.8.1. Technical Bid found to be Non-responsive as per Clause 3.2, due to any of the

following conditions, shall be liable for rejection.

- Technical Bid that is incomplete.
- Technical Bid not signed by authorized signatory and / or stamped in the manner indicated in this RFP.
- All pages of the Technical Bid submitted but not initialed by the authorized signatories on behalf of the Bidder.
- Technical Bid not including the covering letter as per Annexure 1.
- Technical Bid contains material inconsistencies in the information and documents submitted by the Bidder, affecting the Qualification Requirements.
- Information not submitted in formats specified in the RFP.
- The Bidder has not submitted a disclosure as per Annexure 13.
- Bidders delaying in submission of additional information or clarifications sought by the BPC.

3.8.2. Technical Bid found to be Non-responsive as per Clause **3.2**, due to any of the following conditions, shall be rejected.

- Technical Bid not received by the scheduled date and time.
- Technical Bid submitted by a Bidding Consortium not including the Consortium Agreement.
- Bidder submitting or participating in more than one response either as a Bidding Company or as a Member of Bidding Consortium.
- More than one Member of the Bidding Consortium or a Bidding Company using the credentials of the same Parent/Affiliate.
- Technical Bid having Conflict of Interest.
- If the Bidder makes any misrepresentation as specified in Clause **3.7**.

3.9. BPC reserves the right to interpret the Bid in accordance with the provisions of this RFP document and make its own judgment regarding the interpretation of the same. In this regard, BPC shall have no liability towards any Bidder and no Bidder shall have any recourse to BPC with respect to the qualification process.

BPC shall evaluate Bid using the process specified in Clause 3.1 to 3.6, at its sole discretion. BPC's decision in this regard shall be final and binding.

SECTION - 4

ANNEXURES FOR BID

SECTION – 4**I. Formats for Bid**

The following formats are required to be included in the Bidder's Technical and Financial Bid. These formats are designed to demonstrate the Bidder's compliance with the Qualification Requirements set forth in Clause 2.1 of Section – 2.

Technical Bid

1. Format for the Covering Letter
2. Format for Letter of Consent from Consortium Members
3. Format for evidence of authorized signatory's authority (Power of Attorney)
4. Format for Power of Attorney from to be provided by each of the other Members of the Consortium in favor of the Lead Member
5. Format for Bidder's composition and ownership structure and Format for Authorization
6. Format for Consortium Agreement
7. Formats for Qualification Requirement
8. Format of Bidders Undertaking and details of Equity Investment
9. Authorization from Parent/Affiliate of Bidding Company/Member of Bidding Consortium whose technical/financial capability has been used by the Bidding Company/Member of Bidding Consortium.
10. Undertaking from the Technically / Financially Evaluated Entity(ies) or from Ultimate Parent Company for equity investment
11. Format of Board Resolutions
12. Format for Illustration of Affiliates
13. Format for Disclosure
14. Format for Bid Bond
15. Format for Contract Performance Guarantee
16. Checklist for Technical Bid submission requirements
22. Format for Affidavit

In addition to the online submission, the Bidder with lowest Final Offer will be required to submit original hard copies of Annexure 3, Annexure 4 (if applicable), Annexure 6 (if applicable) and Annexure 14 before issuance of Lol.

Financial Bid

21. Format for Financial Bid

II. The following formats are for the information to the Bidders to enable them to submit their Bid.

- 11A. Illustration for Applicable Board Resolution Requirements Under Clause 2.5.2
17. List of Banks
18. GRID Map of the Project
19. Format for clarification/amendments on the RFP/RFP Project Documents
20. Formats for RFP Project Documents

Bidder may use additional sheets to submit the information for its detailed Bid.

ANNEXURE 1 - COVERING LETTER

(The covering letter should be on the Letter Head of the Bidding Company/ Lead Member of the Consortium)

Date:
 From:

 Tel. No.:
 Fax No.:
 E-mail address:

To,
PFC Consulting Limited
9th Floor, Wing-A, Statesman House,
Connaught Place, New Delhi - 110001

Dear Sir,

Sub: Bid for selection of Bidder as Transmission Service Provider to establish Inter-State Transmission System for "Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): PART-B" through tariff based competitive bidding process.

1. Being duly authorized to present and act on behalf of M/s (insert name of Bidding Company / Bidding Consortium) (hereinafter called the "Bidder") and having read and examined in detail the Request for Proposal (RFP) document, the undersigned hereby submit our Technical Bid with duly signed formats and Financial Bid (Initial Offer) as stipulated in RFP document for your consideration.
2. It is confirmed that our Bid is consistent with all the requirements of submission as stated in the RFP document and subsequent clarifications/amendments as per Clause 2.3 and 2.4 of RFP.
3. The information submitted in our Bid is complete, is strictly as per the requirements stipulated in the RFP document and is correct to the best of our knowledge and understanding. We would be solely responsible for any errors or omissions in our Bid.
4. We hereby agree and undertake to procure the products associated with the Transmission System as per provisions of Public Procurement (Preference to Make in India) orders issued by Ministry of Power vide orders No. 11/5/2018 - Coord. dated 28.07.2020 for transmission sector, as amended from time to time read with Department for Promotion of Industry and Internal Trade (DPIIT) orders in this regard.

We hereby also agree and undertake to comply with Department of Expenditure, Ministry of Finance vide Order (Public Procurement No 1) bearing File No. 6/18/2019-PPD dated 23.07.2020, Order (Public Procurement No 2) bearing File No. 6/18/2019-PPD dated 23.07.2020 and Order (Public Procurement No. 3) bearing File No.

6/18/2019-PPD, dated 24.07.2020, as amended from time to time, regarding public procurement from a bidder of a country, which shares land border with India.

5. We hereby agree to comply with Ministry of Power order no. 25-11/6/2018 – PG dated 02.07.2020 as amended from time to time.
6. We are herewith submitting legally binding board resolution for the total equity requirement of the Project.
7. We hereby confirm that in accordance with Clause 2.1.4 of the RFP, we are herewith submitting legally binding undertaking supported by a board resolution from the(Insert name of Technically Evaluated Entity and/or Financially Evaluated Entity or its Ultimate Parent Company, as the case may be) that all the equity investment obligations of (Insert name of the Bidding Company) shall be deemed to be equity investment obligations of the (Insert name of Technically Evaluated Entity and/or Financially Evaluated Entity or its Ultimate Parent Company, as the case may be) and in the event of any default by..... (Insert name of the Bidding Company), the same shall be met by (Insert name of Technically Evaluated Entity and/or Financially Evaluated Entity or its Ultimate Parent Company, as the case may be).

[Sl. No 7 to be inserted only in case the Bidder is a Bidding Company / Lead Member of a Consortium and has sought qualification on the basis of technical and financial capability of its Affiliate(s) and/or its Parent]

8. We confirm that there are no litigations or disputes against us, which materially affect our ability to fulfill our obligations with regard to the Project.
9. We hereby confirm that we shall continue to maintain compliance with Qualification Requirements till the execution of the Transmission Service Agreement. Further, in case we emerge as Selected Bidder for the Project, we shall continue to maintain compliance with Qualification Requirements till the COD of the Project.
10. We confirm that we have studied the provisions of relevant Indian laws and regulations required to enable us to build, own, operate and transfer the said Project and to prepare this Bid.
11. We hereby confirm that we shall abide unreservedly with BPC's decision in the qualification process for selection of Qualified Bidder and further warrant that under no circumstances we shall challenge either the BPC's decision or its right to make such decision at any time in the future.
12. We confirm that the Bid shall remain valid for a period of one eighty (180) days from the Bid Deadline.
13. The details of contact person are furnished as under:

Name:

Designation:

Name of the Company:

Address of the Bidder:

Phone Nos.:

Fax Nos.:

E-mail address:

14. Bid Bond

We have enclosed a Bid Bond of Rupees Crores (Rs.) only or US\$ (.....US Dollars), in the form of bank guarantee no.....[Insert number of the Bank Guarantee] dated.....[Insert Date of the Bank Guarantee] as per your proforma (Annexure-14) from.....[Insert name of bank providing Bid Bond] and valid up toin terms of Clause 2.11 of the RFP.

15. Acceptance

We hereby unconditionally and irrevocably agree and accept that the decision made by the BPC on any matter regarding or arising out of the RFP shall be binding on us. We hereby expressly waive any and all claims in respect of Bid process.

16. Familiarity With Relevant Indian Laws & Regulations

We confirm that we have studied the provisions of relevant Indian laws and regulations as required to enable us to submit this Bid and execute the RFP Project Documents (other than TSA), in the event of our selection as the TSP. We further undertake and agree that all such factors as mentioned in Clause 2.5.7 of RFP have been fully examined and considered while submitting the Bid.

It is confirmed that our Bid is consistent with all the requirements of submission as stated in the RFP and subsequent communications from BPC.

The information submitted in our Bid is complete, strictly as per the requirements stipulated in the RFP and is correct to the best of our knowledge and understanding. We would be solely responsible for any errors or omissions in our Bid.

We confirm that we have not taken any deviation so as to be deemed non-responsive with respect to the provisions stipulated at Clause 2.5.1, of this RFP.

Thanking you,

Yours sincerely,

.....

(Name and Signature of the authorized signatory in whose name Power of Attorney/ Board Resolution as per Clause 2.5.2 is issued)

Name:

Designation:

Address:

Date:
Place:

Company Rubber Stamp

ANNEXURE 2 - LETTER OF CONSENT FROM CONSORTIUM MEMBERS**(On the letter head of each Member of the Consortium including Lead Member)**

Date:

From:

.....

.....

Tel. No.:

Fax No.:

E-mail address:

To,

PFC Consulting Limited
9th Floor, Wing-A, Statesman House,
Connaught Place, New Delhi - 110001

Dear Sir,

Sub: Bid for selection of Bidder as Transmission Service Provider to establish Inter-State Transmission System for “Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): PART-B” through tariff based competitive bidding process.

We, the undersigned Member of (Insert name of the Bidding Consortium) have read, examined and understood the RFP document for the short-listing of Bidders as prospective TSP to establish Inter-State Transmission System for “**Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): PART-B**” through tariff based competitive bidding process. We hereby confirm our concurrence with the Bid including in particular the Consortium Agreement submitted by (Insert name of the Lead Member) in response to the RFP document.

We hereby confirm our commitment to participate in the said Bidding Consortium and invest % of the total equity requirement for the Project as per the terms of the Consortium Agreement dated and board resolution for such investment commitment is enclosed herewith.

We hereby confirm that in accordance with Clause 2.1.4 of the RFP, we are enclosing legally binding undertaking supported by a board resolution from the (Insert name of Technically Evaluated Entity and / or Financially Evaluated Entity or its Ultimate Parent Company, as the case may be) that all the equity investment obligations of (Insert name of the Member) shall be deemed to be equity investment obligations of the (Insert name of Technically Evaluated Entity and / or Financially Evaluated Entity or its Ultimate Parent Company, as the case may be) and in the event of any default by (Insert name of the Member), the same shall be met by (Insert name of Technically Evaluated Entity and / or Financially Evaluated Entity or its Ultimate Parent Company, as the case may be). [Insert if applicable]

[To be inserted by the Lead Member only] We are also enclosing legally binding board resolution for the total equity requirement of the Project in case of any breach of any of the equity investment commitment by any of the Consortium Members, in line with the provisions of the Consortium Agreement dated [Bidder to insert date of Consortium Agreement].

The details of contact person are furnished as under:

Name:
 Designation:
 Name of the Company:
 Address:
 Phone Nos.:
 Fax Nos.:
 E-mail address:

Dated the day of of 20...

Thanking you,

Yours faithfully,

.....
(Signature)

Name:
Designation:

(Signature, Name, Designation of Authorized Signatory of Consortium Member and Company's Seal)

ANNEXURE 3 - FORMAT FOR EVIDENCE OF AUTHORIZED SIGNATORY'S AUTHORITY (POWER OF ATTORNEY)

POWER OF ATTORNEY

(To be on non-judicial stamp paper of appropriate value as per Stamp Act relevant to place of execution. Foreign companies submitting bids are required to follow the applicable law in their country)

Know all men by these presents, We(name and address of the registered office of the Bidder) do hereby constitute, appoint and authorize Mr./Ms.....(name and residential address) who is presently employed with us and holding the position of as our attorney, to do in our name and on our behalf, all such acts, deeds and things necessary in connection with or incidental to our Bid for selection of Bidder as Transmission Service Provider to establish Inter-State Transmission System for **“Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): PART-B”** through tariff based competitive bidding process in the country of India, including signing and submission of all documents related to the Bid, including, undertakings, letters, certificates, acceptances, clarifications, guarantees, etc., making representations to the BPC, and providing information / responses to the BPC, representing us in all matters before the BPC, and generally dealing with the BPC in all matters in connection with our Bid for the said Project till the completion of the bidding process in accordance with the RFP and signing of the Share Purchase Agreement by all the parties thereto.

We hereby agree to ratify all acts, deeds and things lawfully done by our said attorney pursuant to this Power of Attorney and that all acts, deeds and things done by our aforesaid attorney shall and shall always be deemed to have been done by us.

All the terms used herein but not defined shall have the meaning ascribed to such terms under the RFP.

For [Insert name of the Bidder on whose behalf PoA is executed]

.....
(Signature)

Name:
Designation:

Accepted

.....
(Signature of the Attorney)

Name:
Designation:
Address:

.....
(Name, Designation and Address of the Attorney)

Specimen signatures of attorney attested by the Executant

.....

(Signature of the Executant)

.....

(Signature of Notary Public)

Place:

Date:

Notes:

- 1) To be executed by Bidding Company or the Lead Member, in the case of a Bidding Consortium, as the case maybe.
- 2) The mode of execution of the Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant(s) and when it is so required, the same should be under common seal of the executant affixed in accordance with the applicable procedure. Further, the person whose signatures are to be provided on the power of attorney shall be duly authorized by the executant(s) in this regard.
- 3) Also, wherever required, the executant(s) should submit for verification the extract of the charter documents and documents such as a Board resolution / power of attorney, in favour of the Person executing this power of attorney for delegation of power hereunder on behalf of the executant(s).
- 4) In case of foreign Bidders, refer to clause 2.5.6 (p)

ANNEXURE 4 - FORMAT FOR POWER OF ATTORNEY TO BE PROVIDED BY EACH OF THE OTHER MEMBERS OF THE CONSORTIUM IN FAVOUR OF THE LEAD MEMBER

POWER OF ATTORNEY

(To be on non-judicial stamp paper of appropriate value as per Stamp Act relevant to place of execution. Foreign companies submitting bids are required to follow the applicable law in their country)

KNOW ALL MEN BY THESE PRESENTS THAT M/s....., having its registered office at and M/s having its registered office at , (Insert names and registered offices of all Members of the Consortium), the Members of Consortium, have formed a Bidding Consortium named (insert name of the Consortium) (hereinafter called the **"Consortium"**) vide Consortium Agreement dated..... and having agreed to appoint M/s..... as the Lead Member of the said Consortium do hereby constitute, nominate and appoint M/s.....a company incorporated under the laws ofand having its Registered / Head Office atas our duly constituted lawful Attorney (hereinafter called as **"Lead Member"**) which is one of the Members of the Consortium, to act as the Lead Member and our true and lawful attorney, to do in our name and on our behalf, all such acts, deeds and things necessary in connection with or incidental to submission of Consortium's Bid for the Project, including signing and submission of the Bid and all documents related to the Bid, including, undertakings, letters, certificates, acceptances, clarifications, guarantees, etc, making representations to the BPC, and providing information / responses to the BPC, representing us and the Consortium in all matters before the BPC, and generally dealing with the BPC in all matters in connection with our Bid for the said Project, till completion of the bidding process in accordance with the RFP and signing of the Share Purchase Agreement by all the parties thereto.

It is expressly understood that in the event of the Consortium being selected as Successful Bidder, this Power of Attorney shall remain valid, binding and irrevocable until the Bidding Consortium achieves execution of all RFP Project Documents.

We, as the Member of the Consortium, agree and undertake to ratify and confirm all whatsoever the said Attorney/Lead Member has done on behalf of the Consortium Members pursuant to this Power of Attorney and the same shall bind us and deemed to have been done by us.

All the terms used herein but not defined shall have the meaning ascribed to such terms under the RFP.

IN WITNESS WHEREOF M/s, as the Member of the Consortium have executed these presents on this..... day of

For and on behalf of
Consortium Member

.....
(Signature of the Authorized Signatory)

Name:
 Designation:
 Place:
 Date:

Name:
 Designation:
 Place:
 Date:

Accepted

Specimen signatures of attorney attested

.....
(Signature)

.....
(Signature of Notary Public)

.....

**(Name, Designation and Address
 of the Attorney)**

Place:
 Date:

Notes:

1. The mode of execution of the power of attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant(s) and when it is so required, the same should be under common seal of the executant affixed in accordance with the applicable procedure. Further, the person whose signatures are to be provided on the power of attorney shall be duly authorized by the executant(s) in this regard.
2. Also, wherever required, the executant(s) should submit for verification the extract of the charter documents and documents such as a Board resolution / power of attorney, in favour of the Person executing this power of attorney for delegation of power hereunder on behalf of the executant(s).
3. In case of foreign Bidders, refer to clause 2.5.6 (p)

ANNEXURE 5 - FORMAT FOR BIDDER'S COMPOSITION AND OWNERSHIP STRUCTURE**1. Corporate Details:**

Please provide the following information for the Bidder. If the Bidder is a Consortium, please provide this information for each Member including the Lead Member:

a. Company's Name, Address, and Nationality:

Name:

Address:

.....

.....

Website Address:

Country of Origin:

b. Year Organized:**c. Company's Business Activities:**

.....

d. Status as a Bidder:

- i. Bidding Company
- ii. Lead Member of the Bidding Consortium
- iii. Member of the Bidding Consortium

Note: tick the applicable serial number

e. Company's Local Address in India (if applicable):

.....

.....

.....

f. Name of the Authorized Signatory:**g. Telephone Number:****h. Email Address:****i. Telefax Number:****j. Please provide the following documents:**

- i. Copy of the Memorandum and Articles of Association and certificate of incorporation or other equivalent organizational document (as applicable), including their amendments, certified by the Company Secretary as

Attachment 1 for Bidding Company / each Member of Bidding Consortium including Lead Member.

- ii. Authority letter (as per format for authorization given below) in favour of BPC from the Bidder/every Member of the Consortium authorizing BPC to seek reference from their respective bankers & others as **Attachment 2** as per Clause 2.1.6 of the RFP.

2. Details of Ownership Structure:

Equity holding of Bidding Company/ each Member of Bidding Consortium including Lead Member owning 10% or more of total paid up equity.

Name of the Bidding Company / Consortium Member:

Status of equity holding as on

Name of the Equity Holder	Type and No. of Shares owned	Extent of Voting Control (%)
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
....		

Notes:

- The above table is to be filled in separately for each Consortium Member.
- Status of equity holding should be provided not earlier than thirty (30) days prior to Bid Deadline.

For and on behalf of Bidding Company / Lead Member of the Bidding Consortium

M/s.....

.....

(Signature of authorized representative)

Name:

Designation:

.....

(Stamp)

Date:

Place:

FORMAT FOR AUTHORISATION

(In case of Bidding Consortium, to be given separately by each Member)
(On Non – judicial stamp paper duly attested by notary public. Foreign companies submitting bids are required to follow the applicable law in their country)

The undersigned hereby authorize(s) and request(s) all our Bankers, including its subsidiaries and branches, any person, firm, corporation or authority to furnish pertinent information deemed necessary and requested by **PFC Consulting Limited** to verify our Bid for selection of Bidder as Transmission Service Provider to establish Inter-State Transmission system for **“Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): PART-B”** through tariff based competitive bidding process or regarding our project development experience, financial standing and general reputation.

For and on behalf of M/s..... (Insert Name of Bidding Company or Member of the Consortium)

.....
(Signature)

Name of Authorized Signatory:

(Signature and Name of the authorized signatory of the Company)

Place:

Date:

.....
(Company rubber stamp/seal)

.....
(Signature of Notary Public)

Place:

Date:

ANNEXURE 6 - FORMAT FOR CONSORTIUM AGREEMENT

(To be on non-judicial stamp paper of appropriate value as per Stamp Act relevant to place of execution. Foreign companies submitting bids are required to follow the applicable law in their country)

THIS CONSORTIUM AGREEMENT executed on this..... day ofTwo thousand.....between M/s....., a company incorporated under the laws of and having its Registered Office at (hereinafter called the "Party 1", which expression shall include its successors, executors and permitted assigns) and M/s.....a Company incorporated under the laws of and having its Registered Office at (hereinafter called the "Party n", which expression shall include its successors, executors and permitted assigns) and for the purpose of submitting the Bid, acquisition of **SPV [which is under incorporation]** (in case of award) and entering into other Agreement(s) as specified in the RFP (hereinafter referred to as "Agreements") as may be entered into with the Nodal Agency.

WHEREAS, the BPC had invited Bid in response to RFP issued to (insert the name of purchaser of RFP) for selection of the bidder as the Transmission Service Provider to establish Inter-State Transmission System for **"Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): PART-B"**.

AND WHEREAS, Clause 2.2.4 of the RFP document stipulates that the Bidders qualifying on the strength of a Bidding Consortium will have to submit a legally enforceable Consortium Agreement in a format specified in the RFP document wherein the Consortium Members have to commit equity of a specific percentage in the Project.

AND WHEREAS, Clause 2.2.4 of the RFP document also stipulates that the Bidding Consortium shall provide along with the Bid, a Consortium Agreement as per prescribed format whereby the Consortium Members undertake to be liable for raising the required funds for its respective equity investment commitment as specified in Consortium Agreement.

NOW THEREFORE, THIS INDENTURE WITNESSTH AS UNDER:

In consideration of the above premises and agreement all the parties in this Consortium do hereby mutually agree as follows:

1. In consideration of the selection of the Consortium as the selected bidder by the BPC, we the Members of the Consortium and parties to the Consortium Agreement do hereby unequivocally agree that M/s..... (Insert name of the Lead Member), shall act as the Lead Member as defined in the RFP for self and agent for and on behalf of,,, (the names of all the other Members of the Consortium to be filled in here).
2. The Lead Member is hereby authorized by the Members of Consortium and parties to the Consortium Agreement to bind the Consortium and receive instructions for and on behalf of the Members.

3. Notwithstanding anything contrary contained in this Consortium Agreement, the Lead Member shall always be liable for the equity investment obligations of all the Consortium Members, i.e., for both its own equity contribution as well as the equity contribution of other Members.
4. The Lead Member shall be liable and responsible for ensuring the individual and collective commitment of each of the Members of the Consortium in discharging all their respective equity obligations. Each Consortium Member further undertakes to be individually liable for the performance of its part of the obligations without in any way limiting the scope of collective liability envisaged in this agreement.
5. Subject to the terms of this agreement, the share of each Member of the Consortium in the “issued equity share capital of the project company” shall be in the following proportion: (if applicable)

Name	Percentage of equity holding in the Project
Party 1
.....
Party n
Total	100%

[**Note:** The percentage equity holding for any Consortium Member in the Project cannot be zero in the above table]

6. The Lead Member shall inter alia undertake full responsibility for liaising with lenders and mobilizing debt resources for the Project and achieving financial closure.
7. In case of any breach of any of the equity investment commitment by any of the Consortium Members, the Lead Member shall be liable for the consequences thereof.
8. Except as specified in the Agreement, it is agreed that sharing of responsibilities as aforesaid and equity investment obligations thereto shall not in any way be a limitation of responsibility of the Lead Member under these presents.
9. It is further specifically agreed that the financial liability for equity contribution of Lead Member shall, not be limited in any way so as to restrict or limit its liabilities. The Lead Member shall be liable irrespective of their scope of work or financial commitments.
10. It is expressly understood and agreed between the Members that the responsibilities and obligations of each of the Members shall be as delineated as annexed hereto as **Appendix-I**, forming integral part of this Agreement. It is further agreed by the Members that the above sharing of responsibilities and obligations shall not in any way be a limitation of joint and several responsibilities and liabilities of the Members, with regards to all matters relating to the Project.
11. It is clearly agreed that the Lead Member shall ensure performance under the Agreements and if one or more Consortium Members fail to perform its /their respective

obligations under the Agreement(s), the same shall be deemed to be a default by all the Consortium Members.

12. This Consortium Agreement shall be construed and interpreted in accordance with the Laws of India and courts at **Delhi** alone shall have the exclusive jurisdiction in all matters relating thereto and arising there under.
13. It is hereby agreed that, the Lead Member shall furnish the bid bond, as stipulated in the RFP, on behalf of the Consortium Members.
14. It is hereby agreed that in case of selection of Bidding Consortium as the selected bidder, the parties to this Consortium Agreement do hereby agree that they shall furnish the contract performance guarantee on behalf of the TSP in favor of the Nodal Agency, as stipulated in the RFP and Transmission Service Agreement.
15. It is further expressly agreed that the Consortium Agreement shall be irrevocable and shall form an integral part of the RFP Project Document and shall remain valid till the execution of the Share Purchase Agreement, unless expressly agreed to the contrary by the Nodal Agency. Over the term of the Transmission Service Agreement, Central Electricity Regulatory Commission (Sharing of Inter-State Transmission Charges and Losses) Regulations as amended from time to time shall apply on the Consortium Members.
16. The Lead Member is authorized and shall be fully responsible for the accuracy and veracity of the representations and information submitted by the Consortium Members respectively from time to time in response to the RFP and for the purposes of the Project.
17. It is hereby expressly agreed between the parties to this Consortium Agreement that neither party shall assign or delegate its rights, duties or obligations under this Agreement except with the prior written consent of the Nodal Agency.

THIS CONSORTIUM AGREEMENT:

- a. has been duly executed and delivered on behalf of each party hereto and constitutes the legal, valid, binding and enforceable obligation of each such party,
- b. sets forth the entire understanding of the parties hereto with respect to the subject matter hereof;
- c. may not be amended or modified except in writing signed by each of the parties and with prior written consent of the Nodal Agency.

IN WITNESS WHEREOF, the parties to the Consortium Agreement have, through their authorized representatives, executed these present on the Day, Month and Year first mentioned above.

For and on behalf of Consortium Member 1 (Party 1)
M/s.....

.....
(Signature of authorized signatory)

Name:
Designation:
Place:
Date:

For and on behalf of Consortium Member n (Party n)
M/s.....

.....
(Signature of authorized signatory)

Name:
Designation:
Place:
Date:

Attested:

.....
(Signature)
(Notary Public)

Place:
Date:

Note: In case of foreign Bidders, refer to clause 2.5.6 (p)

Appendix 1 to the Consortium Agreement:

Name of the Consortium Member	Responsibilities under the Consortium Agreement
M/s (Party 1)	
M/s	
M/s (Party n)	

ANNEXURE 7 A - FORMAT FOR QUALIFICATION REQUIREMENT**A. NET WORTH**

To,
PFC Consulting Limited
9th Floor, Wing-A, Statesman House,
Connaught Place, New Delhi - 110001

Dear Sir,

Sub: Bid for selection of Bidder as Transmission Service Provider to establish Inter-State Transmission System for “Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): PART-B” through tariff based competitive bidding process

5. [Note: Applicable in case of Bidding Company]

We certify that the Financially Evaluated Entity(ies) had a Networth of Rs. Crore or equivalent USD* computed as per instructions in this RFP based on unconsolidated audited annual accounts (refer Note-2 below) of any of the last three (3) financial years as provided in Clause 2.2.3, immediately preceding the Bid Deadline. Also, the Networth of any of the last three (3) financial years is not negative.

Name of Financially Evaluated Entity(ies)	Relationship with Bidding Company**	Financial Year	Networth (Rs. Crore)
1.			
2.			
3.			
....			
Total Networth			

*Equivalent USD shall be calculated as per provisions of Clause 3.4.1.

** The column for “Relationship with Bidding Company” is to be filled in only in case financial capability of Parent/Affiliate has been used for meeting Qualification Requirements.

6. [Note: Applicable in case of Bidding Consortium]

We certify that the Financially Evaluated Entity(ies) had a minimum Networth of Rs. Crore or equivalent USD* computed as per instructions in the RFP and based on unconsolidated audited annual accounts (refer Note-2 below) of any of the last three (3) financial years as provided in Clause 2.2.3, immediately preceding the Bid Deadline. Also, the Networth of any of the last three (3) financial years is not negative.

Name of Consortium Member	Equity Commitment in the Project (%)	Networth of Member (Rs. Crore)	Networth Requirement to be met by Member in proportion to the Equity Commitment (Rs. Crore)	Whether the Member meets the Networth Requirement
(1)	(2)	(3) (As per table below)	(4) = (2 x Total Networth requirement for the Project)	(5)
1.				Yes / No
2.				Yes / No
..				Yes / No
Total Networth for financial requirement				

Member – I (Lead Member)

[Note: Similar particulars for each Member of the Consortium is to be furnished, duly certified by the Member's Statutory Auditors]

- i. Name of Member:
- ii. Total Networth requirement: Rs Crore
- iii. Percentage of equity commitment for the Project by the Member:%
- iv. Networth requirement for the Member***: Rs. Crore
- v. Financial year considered for the Member:

Name of Financially Evaluated Entity(ies)	Relationship** with Member of Consortium	Financial Year	Networth (Rs. Crore)
1.			
2.			
3.			
Total Networth			

* Equivalent USD shall be calculated as per provisions of Clause 3.4.1;

** The column for "Relationship with Member of Consortium" is to be filled in only in case the financial capability of Parent / Affiliate has been used for meeting Qualification Requirements;

*** Networth requirement to be met by Member should be in proportion to the equity commitment of the Member for the Project.

Yours faithfully

.....

(Signature and name of the authorized signatory of the Company and Stamp)

Name :
 Date :
 Place :

.....

(Signature and Stamp of statutory Auditors of Bidding Company / each Member of Consortium)

Name :
 Date :
 Place :

Date :

Notes:

1. Along with the above format, in a separate sheet, please provide details of computation of Networth of last three (3) financial years duly certified by Statutory Auditor.
2. Audited consolidated annual accounts of the Bidder may be used for the purpose of financial criteria provided the Bidder has at least 26% equity in each company whose accounts are merged in the audited consolidated accounts and provided further that the financial capability of such companies (of which accounts are being merged in the consolidated accounts) shall not be considered again for the purpose of evaluation of the Bid.
3. In case Bidder or a Member of Consortium takes recourse to its Parent/Affiliate for meeting technical / financial requirements, then the financial years considered for such purpose should be same for the Bidder / Member of Consortium and their respective Parent / Affiliate.

ANNEXURE 7B - FORMAT FOR TECHNICAL REQUIREMENT

To,
PFC Consulting Limited
9th Floor, Wing-A, Statesman House,
Connaught Place, New Delhi - 110001

Dear Sir,

Sub: Bid for selection of Bidder as Transmission Service Provider to establish Inter-State Transmission System for “Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): PART-B” through tariff based competitive bidding process

1. To be used by Bidder using the development experience in infrastructure sector

We certify that M/s. (Insert name of Technically Evaluated Entity(ies)) have experience of development of projects in the Infrastructure sector in the last five (5) years whose aggregate capital expenditure is Rs. Crore or equivalent USD*. We further certify that the capital expenditure of any single project considered for meeting the technical Qualification Requirement is not less than **Rs. 182 Crore** or equivalent USD*. For this purpose, capital expenditure incurred on projects which have been either wholly completed / commissioned or partly completed projects put under commercial operation and for which operation has commenced till at least seven (7) days prior to the Bid Deadline has been considered.

The project(s) considered for the purpose of technical experience (as per table given below) have been executed and owned to the extent as indicated in the table below (to be at least twenty – six percent (26%)) by the Bidding Company / Lead Member of the Consortium / our Parent / our Affiliate(s) [strike off whichever is not applicable] on operation of the projects.

This technical requirement has been calculated as per the instructions provided in the RFP on the basis of following projects:

Name of Company (which has executed the project at (3)) whose technical capability has been used for Qualification Requirement	Relationship* * with Bidding Company / Lead Member	Project name	Nature of Project (BOOT, BOT, BOOM, DBFOT etc.)	Relevant Infrastructure sector	Date of Financial Closure of the Project (in DD / MM / YYYY)	Date of Completion / Commissioning / Commercial Operation of partly completed projects	Project cost (Rs. Crore)	Percentage Equity Holding of Company at (1) in Completed project(s)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
..... (Project						

Name of Company (which has executed the project at (3)) whose technical capability has been used for Qualification Requirement	Relationship* * with Bidding Company / Lead Member	Project name	Nature of Project (BOOT, BOT, BOOM, DBFOT etc.)	Relevant Infrastructure sector	Date of Financial Closure of the Project (in DD / MM / YYYY)	Date of Completion / Commissioning / Commercial Operation of partly completed projects	Project cost (Rs. Crore)	Percentage Equity Holding of Company at (1) in Completed project(s)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
		at 1)						
.....						
Total (Rs. Crore)								

* Equivalent USD shall be calculated as per provisions of Clause _____

** The column for "Relationship with Bidding Company / Lead Member" is to be filled in only in case technical capability of Parent/Affiliate has been used for meeting Qualification Requirements.

We further certify that the Company(ies) as indicated in column (1) of the above table, whose technical capability has / have been used for meeting the qualification requirement, has / have held shareholding respectively of at least twenty – six percent (26%) from the date of financial closure till the date of commissioning / completion of the above project(s).

2. To be used by Bidder using construction experience in infrastructure sector.

We certify that M/s. (Insert name of Technically Evaluated Entity(ies)) have received aggregate payments not less than Rs. Crore or equivalent USD (calculated as per provisions in Clause 3.4.1) from its client(s) for construction works fully completed during the last 5(five) financial years. We further certify that the payment received from each project shall not be less than Rs. Crore or equivalent USD (calculated as per provisions in Clause 3.4.1). For this purpose, payments received on projects that have been commissioned/completed at least seven (7) days prior to the Bid Deadline shall be considered. Further only the payments (gross) actually received, during such 5 (five) financial years shall qualify for purposes of computing the technical capacity.

We also confirm that construction works does not include cost of land supply of goods or equipment except when such goods or equipment form part of a turn-key construction contract/ EPC contract for the project.

This technical requirement has been calculated as per the instructions provided in the RFP on the basis of following projects:

Name of Company (which has executed the project at (3)) whose technical capability has been used for Qualification Requirement	Relationship ** with Bidding Company / Lead Member	Project name	Nature of Project (EPC, Turnkey etc)	Relevant Infrastructure sector	Date of award of contract (in dd/mm/yy)	Date of Completion / Commissioning	Payment received (Rs. Crore)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
.....	 Project 1					
.....						
.....						
Total (Rs. Crore)							

Yours faithfully

.....

(Signature and name of the authorized signatory of the Company and stamp)

Name:

Date:

Place:

.....

(Signature and Stamp of statutory Auditors of Bidding Company/ Lead Member of Consortium)

Name:

Date:

Place:

Date:

Notes:

1. Along with the above format, in a separate sheet, please provide details of computation of capital expenditure of projects duly certified by Statutory Auditor of the project company. In addition, the Statutory Auditor of the project company should also certify that the capital expenditure of projects commissioned or completed 7 days prior to Bid Deadline has been capitalized in the books of accounts.

Additionally, in case construction experience is used, a certificate(s) from the statutory auditors stating the payments received and the concerned client(s) stating the works commissioned during the past 5 years in respect of the projects specified above. In case a particular job/ contract has been jointly executed by the Bidder (as part of a consortium), it should further support its claim for the share in work done for that particular job/ contract by producing a certificate from its statutory auditor or the client.

2. In case the accounts for the financial year in which the project claimed for meeting qualification requirement has been commissioned are not audited, the Bidder shall give declaration in this regard duly certified by its statutory auditor. In such a case, Bidder shall provide details of computation of capital expenditure of such project(s) duly certified by Statutory Auditor of the project company and the Statutory Auditor of the project company should also certify that the capital expenditure of projects commissioned or completed shall be capitalized in the books of accounts upon finalization.
3. The unconsolidated audited annual accounts of both the TEE and the Bidding Company / Lead Member for the respective financial years (financial years in which financial closure was achieved to the financial year in which the said project was completed / commissioned) should be submitted.

ANNEXURE 7C - FORMAT FOR TECHNICAL & FINANCIAL REQUIREMENT – RELATIONSHIP & DETAILS OF EQUITY SHAREHOLDING

[To be filled by Bidding Company / each Member of the Bidding Consortium including Lead Member if credentials of Parent and / or Affiliates have been used by them]

To,
PFC Consulting Limited
9th Floor, Wing-A, Statesman House,
Connaught Place, New Delhi - 110001

Dear Sir,

Sub: Bid for selection of Bidder as Transmission Service Provider to establish Inter-State Transmission System for “Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): PART-B” through tariff based competitive bidding process

We certify that M/s. (insert name of the **Bidding Company / Consortium Members**) have considered the technical and financial capability of its Parent and / or Affiliates, for the purpose of meeting Qualification Requirements as per the instructions provided in the RFP. The name of Parent and / or Affiliate, nature of relationship(s) with such Parent and / or Affiliate and details of equity holding are as follows:

Name of Company whose credentials considered	Type of credentials considered (technical and / or financial)	Relationship with Bidding Company / Consortium Member (Parent / Affiliate)	Details of equity shareholding (refer notes below)
Company 1			
.....			
.....			
.....			
.....			

NOTES:

- In case of Parent, the equity holding of the Parent in the Bidding Company / Member of the Bidding Consortium, including the Lead Member of the Consortium, need to be specified.
- In case of Affiliate under direct control of Bidder, the equity holding of the Bidding Company / Member of the Bidding Consortium, including the Lead Member of the Consortium in the Affiliate, needs to be specified.
- In case of Affiliate under common control of Parent, the equity holding of the Parent in the Affiliate of the Bidding Company / Member of the Bidding Consortium, including the Lead Member of the Consortium, needs to be specified.
- Relationship of Parent / Affiliate with Bidding Company / Member of Consortium to be at the most seven (7) days prior to the Bid Deadline (as per Clause 2.1.4 of RFP)

Yours faithfully

.....

(Signature and name of the authorized signatory of the Company and stamp)

Name:

Date:

Place:

.....

(Signature and Stamp of statutory Auditors of Bidding Company / each Member of Bidding Consortium)

Name:

Date:

Place:

Date:

ANNEXURE 7D - ADDITIONAL INFORMATION FOR VERIFICATION OF FINANCIAL AND TECHNICAL CAPABILITIES OF BIDDERS.

.....
(Name of Bidder (Bidding Company/ Bidding Consortium or Technically/Financially Evaluated Entity(ies))

(Note: In case of Consortium, details to be filled in by Lead Member for each Member of the Consortium including the Lead Member and in case of the qualification requirements of Technically / Financially Evaluated Entity(ies) being used, to be filled by each of such entity(ies)

i. Financial capability (Attachment 1):

1. Bidders shall attach unconsolidated / consolidated audited annual accounts, statements, as the case may be, (refer Clause 2.1.3) for the last three (3) financial years as Attachment 1. Such unconsolidated audited annual accounts shall include a Balance Sheet, Profit and Loss Account, Auditors Report and profit appropriation account.

ii. Technical capability (Attachment 2):

- a. This attachment shall include details of projects completed/commissioned or partly completed projects for which commercial operation has commenced to be considered for the purpose of meeting Qualification Requirements.

1. To be used by Bidder using development experience in infrastructure sector

Particulars	Year 1	Year 2	Year 3	Year 4	Year 5
Name(s) of project(s) from Infrastructure sectors					
Location(s) including country(s) where project was set up					
Nature of Project					
Voltage level (if any)					
Capital cost of project(s) Rs. in Crore					
*Status of the project					
% of equity owned in the project(s)					

***Note 1:** Date of completion/commissioning/commercial operation to be mentioned

Note 2: For each project listed in the table, the Bidder shall furnish an executive summary including the following information:

- Project model, i.e., BOO, BOOT, BOOM;

- Debt financing and equity raised and provided by Bidder/Bidder's Parent/Bidder's Affiliate for the project, including names of lenders and investors;
- Size and type of installation;
- Technical data/information on major equipment installed
- Description of role performed by the Bidder/Bidder's Parent/Bidder's Affiliate on the project
- Clearances taken by the Bidder/Bidder's Parent/Bidder's Affiliate including but limited to right-of-way (RoW), forest clearance and other statutory / Govt. clearances.
- Cost data (breakdown of major components)
- Name of EPC and/or other major contractor
- Construction time for the project
- Names, addresses and contact numbers of owners of the projects
- Operating reliability over the past five (5) years or since date of commercial operation
- Operating environmental compliance history
- Names of supervisory entities or consultant, if any
- Date of commercial operation
- Total duration of operation

2. To be used by Bidder using construction experience in infrastructure sector

Particulars	Year 1	Year 2	Year 3	Year 4	Year 5
Name(s) of project(s) from Infrastructure sectors					
Location(s) including country(s) where project was set up					
Nature of Project					
Voltage level (if any)					
Revenue received Rs. in Crore					
*Status of the project					
% of equity owned in the project(s)					

***Note 1:** Date of completion/commissioning/commercial operation to be mentioned

Note 2: For each project listed in the table, the Bidder shall furnish an executive summary including the following information:

- Project model, i.e., EPC, Turnkey;
- Size and type of installation;
- Technical data/information on major equipment installed
- Description of role performed by the Bidder/Bidder's Parent/Bidder's Affiliate on the project
- Cost data (breakdown of major components)
- Name of sub-contractor
- Construction time for the project
- Names, addresses and contact numbers of owners of the projects

- Operating reliability over the past five (5) years or since date of commercial operation
- Operating environmental compliance history
- Names of supervisory entities or consultant, if any
- Date of commercial operation
- Total duration of operation

iii. Attachment-3:

- a. For each project listed in Attachment 2 above, certificates of final acceptance and/or certificates of good operating performance duly issued by owners for the project and the same shall be certified as true by authorized signatory of the Bidding Company or the Lead Member of Consortium). In case the project listed in Attachment 2 is under BOOT / DBFOT mechanism, the certificates of final acceptance and/or certificates of good operating performance must be issued by the authority / independent engineer of the project as defined in the respective project agreement.

For and on behalf of Bidding Company/Consortium

M/s.....

.....
(Signature of authorized signatory)

Name:
 Designation:
 Date:
 Place:

ANNEXURE 8 -UNDERTAKING AND DETAILS OF EQUITY INVESTMENT**Format 1: Bidders' Undertakings****[On the Letter Head of the Bidding Company/Lead Member of Bidding Consortium]****Date:****To,**

PFC Consulting Limited
9thFloor, Wing-A, Statesman House,
Connaught Place, New Delhi - 110001

Dear Sir,

Sub: Bidders' Undertakings in respect of Bid for selection of Bidder as TSP to establish Inter-State transmission system for "Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): PART-B"

We hereby undertake on our own behalf and on behalf of the TSP, that if selected as the Successful Bidder for the Project:

1. The Project shall comply with all the relevant electricity laws, codes, regulations, standards and Prudent Utility Practices, environment laws and relevant technical, operational and safety standards, and we shall execute any agreements that may be required to be executed as per law in this regard.
2. We confirm that the Project shall also comply with the standards and codes as per Clause 1.6.1.2 of the RFP and the TSP shall comply with the provisions contained in the Central Electricity Regulatory Commission Grant of Connectivity, Long-term Access and Medium-term Open Access in inter-state Transmission and related matters Open Access) Regulations, 2009.
3. We give our unconditional acceptance to the RFP dated **February 15, 2023** issued by the BPC and the RFP Project Documents, as amended, and undertake to ensure that the TSP shall execute all the RFP Project Documents, as per the provisions of this RFP.
4. We have submitted the Bid on the terms and conditions contained in the RFP and the RFP Project Documents. Further, the Financial Bid submitted by us is strictly as per the format provided in Annexure 21 of the RFP, without mentioning any deviations, conditions, assumptions or notes in the said Annexure.
5. Our Bid is valid up to the period required under Clause 2.8 of the RFP.
6. Our Bid has been duly signed by authorized signatory and stamped in the manner and to the extent indicated in this RFP and the power of attorney / Board resolution in requisite format as per RFP has been enclosed with this undertaking.

7. We have assumed that if we are selected as the Successful Bidder, the provisions of the Consortium Agreement, to the extent and only in relation to equity lock in and our liability thereof shall get modified to give effect to the provisions of Clause 2.5.8 of this RFP and Article 18.1 of the Transmission Service Agreement. **(Note: This is applicable only in case of a Bidding Consortium).**
8. We confirm that our Bid meets the Scheduled COD of each transmission Element and the Project as specified below:

S. No.	Name of the Transmission Element	Scheduled COD	Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project	Element(s) which are pre-required for declaring the commercial operation (COD) of the respective Element
1.	<p>Establishment of 765/400 kV, 4x1500 MVA (along with one spare unit of 500 MVA) Neemrana-II S/s along with 2x330 MVA (765 kV) Bus Reactor (along with one spare unit of 110 MVA) & 2x125 MVA (420kV) Bus Reactor at a suitable location near Neemrana</p> <ul style="list-style-type: none"> 765/400 kV 1500 MVA ICTs – 4 nos. (13x500 MVA including one spare unit) 330 MVA Bus Reactor-2 nos. (7x110 MVA, including one spare unit) 765 kV reactor bays- 2 nos. 125 MVA, 420kV bus reactor - 2 nos. 420 kV reactor bays - 2 nos. 765 kV ICT bays – 4 nos. 400 kV ICT bays – 4 nos. 	24 months from SPV transfer	100%	All elements of scheme are required to be commissioned simultaneously as their utilization is dependent on each other.

S. No.	Name of the Transmission Element	Scheduled COD	Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project	Element(s) which are pre-required for declaring the commercial operation (COD) of the respective Element
	<ul style="list-style-type: none"> 400 kV line bays - 6 nos. (4 nos. for LILO of Gurgaon -Sohna Road D/c line & 2 nos. for Kotputli D/c line) <p>Future provisions: Space for</p> <ul style="list-style-type: none"> 765/400kV ICT along with bays- 2 nos. 765 kV line bays along with switchable line reactors – 12 nos. 765 kV Bus Reactor along with bay: 1 no. 400 kV line bays along with switchable line reactor –6 no. 400 kV Bus Reactor along with bay: 1 no. 400kV Sectionalization bays: 2 sets 			
2.	Neemrana-II -Kotputli 400 kV D/c line (Quad)			
3.	2 no. of 400 kV line bays at Kotputli			
4.	LILO of both ckts of 400 kV Gurgaon (PG) - Sohnna Road (GPTL) D/c line (Quad) at Neemrana-II S/s			

Note:

- (i) Provision of suitable sectionalization shall be kept at Neemrana-II S/s at 400kV level to limit short circuit level.
- (ii) POWERGRID to provide space for 2 nos. of 400 kV line bays at Kotputli S/s.

We agree that the payment of Transmission Charges for any Element irrespective of its successful commissioning on or before its Scheduled COD shall only be considered after the successful commissioning of Element(s) which are pre - required for declaring the commercial operation of such Element as mentioned in the above table.

Scheduled COD for the Project: 24 Months from Effective Date

9. We confirm that our Financial Bid conforms to all the conditions mentioned in this RFP, and in particular, we confirm that:
 - a. Financial Bid in the prescribed format of Annexure 21 has been submitted duly signed by the authorized signatory.
 - b. Financial Bid is unconditional.
 - c. Only one Financial Bid has been submitted.
10. We have neither made any statement nor provided any information in this Bid, which to the best of our knowledge is materially inaccurate or misleading. Further, all the confirmations, declarations and representations made in our Bid are true and accurate. In case this is found to be incorrect after our acquisition of **SPV [which is under incorporation]**, pursuant to our selection as Selected Bidder, we agree that the same would be treated as a TSP's Event of Default under Transmission Service Agreement, and relevant provisions of Transmission Service Agreement shall apply.
11. We confirm that there are no litigations or other disputes against us which materially affect our ability to fulfill our obligations with regard to the Project as per the terms of RFP Project Documents.
12. Power of attorney/ Board resolution as per Clause 2.5.2 is enclosed.

Signature and name of the authorized signatory of the Company and stamp of Bidding Company or Lead member of Consortium

Note:

1. In case of foreign Bidders, refer to clause 2.5.6 (p)

Format 2: Details of equity investment in Project

1.1.a Name of the Bidding Company/ Bidding Consortium:

1.1.b Name of the Lead Member in the case of a Bidding Consortium:

1.2 Investment details of the Bidding Company/Member of the Bidding Consortium investing in **SPV [which is under incorporation]** as per Clause 2.5.8.2.

S. No.	Name of the Bidding Company/ Member in case of a Bidding Consortium	Name of the Company investing in the equity of the _____[Name of SPV]	Relationship with Bidding Company /Member of the Bidding Consortium	% of equity participation in the _____[Name of SPV]
(1)	(2)	(3)	(4)	(5)
TOTAL				100%

* In case the Bidder proposes to invest through its Affiliate(s) / Parent Company / Ultimate Parent Company, the Bidder shall declare shareholding pattern of such Affiliate(s) / Parent Company / Ultimate Parent Company and provide documentary evidence to demonstrate relationship between the Bidder and the Affiliate(s) / Parent Company / Ultimate Parent Company. These documentary evidences could be, but not limited to, demat account statement(s) / Registrar of Companies' (ROC) certification / share registry book, etc duly certified by Company Secretary.

Members of the Consortium or the Bidding Company making investment in the equity of the _____[Name of SPV] themselves to fill in their own names in the column (3)

Signature and Name of authorized signatory in whose name power of attorney has been issued

Signature of authorized signatory

Name:

Designation:

Date.....

Company rubber stamp

ANNEXURE 9 -AUTHORISATION FROM PARENT/ AFFILIATE OF BIDDING COMPANY/ MEMBER OF BIDDING CONSORTIUM WHOSE TECHNICAL/ FINANCIAL CAPABILITY HAS BEEN USED BY THE BIDDING COMPANY/ MEMBER OF BIDDING CONSORTIUM.

[On the Letter Head of the Parent /Affiliate]

Name:
 Full Address:
 Telephone No.:
 E-mail address:
 Fax / No.:

To

**PFC Consulting Limited
 9th Floor, Wing-A, Statesman House,
 Connaught Place, New Delhi - 110001**

Dear Sir,

Sub: Authorization for use of Technical / Financial Capability of M/s..... (Insert name of Parent / Affiliate) by M/s (Insert name of Bidding Company / Member of Bidding Consortium).

We refer to the RFP dated **February 15, 2023** ('RFP') issued by you for selection of Bidder as Transmission Service Provider for establishing the Inter-State Transmission System for **"Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): PART-B"**.

We confirm that M/s. (Insert name of Bidding Company/ Consortium Member) has been authorized by us to use our technical and/or financial capability [strikeout whichever is not applicable] for meeting the Qualification Requirements for **"Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): PART-B"**.

We have carefully read and examined in detail the RFP including in particular, Clause 2.1.4 of the RFP, and we are also submitting legally binding undertaking supported by a board resolution that all the equity investment obligations of M/s..... (Insert Name of Bidding Company / Consortium Member), shall be deemed to be our equity investment obligations and in the event of any default the same shall be met by us.
 For and on behalf of M/s..... (Insert Name of Parent / Affiliate)

.....
(Signature and Name of the authorized signatory of the Company and stamp)

Name:
 Date:
 Place:

Notes:

1. The above undertaking can be furnished by Ultimate Parent of Technically Evaluated Entity or Financially Evaluated Entity, as the case maybe, if legally binding undertaking is also furnished by the Ultimate Parent on behalf of such Financially Evaluated Entity/Technically Evaluated Entity.

**ANNEXURE 10- FORMAT OF UNDERTAKING BY TECHNICALLY / FINANCIALLY EVALUATED
ENTITY / ULTIMATE PARENT COMPANY**

[On the Letter Head of the Technically / Financially Evaluated Entity / Ultimate Parent Company]

Name:

Full Address:

Telephone No.:

E-mail address:

Fax/No.:

To:

**Chief Executive Officer
PFC Consulting Limited
9th Floor, Wing-A, Statesman House,
Connaught Place, New Delhi - 110001**

Sub: Undertaking for equity investment

Dear Sir,

We refer to the Request for Proposal dated **February 15, 2023** ('RFP') issued by you regarding setting up of Inter-State transmission system for **"Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): PART-B"** Project on build, own, operate and transfer basis.

We have carefully read and examined in detail the RFP and the RFP Project Documents, including in particular, Clause 2.1.4 of the RFP and Clauses 2.5.2 and 2.5.8 of the RFP, regarding submission of an undertaking regarding the investment in the equity share capital of **SPV [which is under incorporation]** and provisions for minimum equity holding and equity lock-in. We have also noted the amount of the equity investment required to be made in **SPV [which is under incorporation]** by the [Insert the name of the Bidder or the Consortium Member] for the Project.

In view of the above, we hereby undertake to you and confirm that in the event of failure of[Insert the name of the Bidder or the Consortium Member] to invest in full or in part, in the equity share capital of **SPV [which is under incorporation]** as specified in the Bid, we shall invest the said amount not invested by.....[Insert the name of the Bidder or the Consortium Member] in **SPV [which is under incorporation]** by purchase of existing shares or subscribing to the new shares of **SPV [which is under incorporation]**, as stipulated by you.

We have attached hereto certified true copy of the Board resolution whereby the Board of Directors of our Company has approved issue of this Undertaking by the Company.

All the terms used herein but not defined, shall have the meaning as ascribed to the said terms under the RFP.

Certified as true.

.....

(Signature and Name of the authorized signatory of the Company and stamp)

Note:

1. Wherever required, extract of the charter documents and documents such as a Board resolution should be submitted for verification.

ANNEXURE 11 - FORMATS FOR BOARD RESOLUTIONS

Format 1**Format of the Board resolution for the Bidding Company / each Member of the Consortium / investing Affiliate / Parent Company / Ultimate Parent Company, where applicable**

[Reference Clause 2.5.2 of the RFP and the illustrations in Annexure 11A]

[Note: The following resolution no.1 needs to be passed by the Boards of each of the entity/(ies) making equity investment]

The Board, after discussion, at the duly convened Meeting on [Insert date], with the consent of all the Directors present and in compliance of the provisions of the Companies Act, 1956/2013, passed the following Resolution:

1. RESOLVED THAT pursuant to the provisions of the Companies Act, 1956 / Companies Act 2013 (as the case may be) and compliance thereof and as permitted under the Memorandum and Articles of Association of the company, approval of the Board be and is hereby accorded for investment of.....% (.....per cent) of the total equity share capital of **SPV [which is under incorporation]** representing the entire amount proposed to be invested by the company for the transmission system for **“Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): PART-B”**, partly by acquisition of the existing equity shares from PFC Consulting Limited and / or partly by subscribing to the new equity shares, as per the terms of the RFP.

[Note: Equity investment obligations by the Bidding Company/each Member of the Bidding Consortium/investing Affiliate or Parent or Ultimate Parent should add up to 100%.]

[Note: In the event the Bidder is a Bidding Consortium, the following Board resolution no. 2 also needs to be passed by the Lead Member of the Bidding Consortium]

2. RESOLVED THAT approval of the Board be and is hereby accorded to contribute such further amount over and above the;..... percentage (___%) limit to the extent becoming necessary towards the total equity share in the **SPV [which is under incorporation]**, obligatory on the part of the company pursuant to the terms and conditions contained in the Consortium Agreement datedexecuted by the company as per the provisions of the RFP.

[Note: In the event, the investing entity is an Affiliate or Parent or Ultimate Parent of the Bidder, the following Board resolution no. 3 shall also be passed by the Bidder]

3. FURTHER RESOLVED THAT the Board hereby acknowledges the Board Resolution(s) passed by the..... [Name of the Affiliate(s)/ Parent / Ultimate Parent] regarding the investment of.....(....%) of the equity share capital requirements of **SPV [which is under incorporation]**, which is to be invested by the[Name of the Affiliate(s)/ Parent / Ultimate Parent] for the **SPV [which is under incorporation]**, partly by acquisition of the existing equity shares from PFC Consulting Limited and partly by subscribing to the new equity shares, as per the terms of the RFP.

[Note: The following resolution no. 4 is to be provided by the Bidding Company / Lead Member of the Consortium only]

4. FURTHER RESOLVED THAT MR/MSbe and is hereby authorized to take all the steps required to be taken by the Company for submission of the Bid, including in particular, signing of the Bid, making changes thereto and submitting amended Bid, all the documents related to the Bid, certified copy of this Board resolution or letter or undertakings etc, required to be submitted to BPC as part of the Bid or such other documents as may be necessary in this regard.

Certified True Copy

Company rubber stamp to be affixed

[Notes:

- 1) This certified true copy should be submitted on the letterhead of the Company, signed by the Company Secretary or any Whole Time Director/ Manager (supported by a specific board resolution) of the Bidding Company or the Lead Member of Consortium.
- 2) The contents of the format may be suitably re-worded indicating the identity of the entity passing the resolution, i.e., the Bidding Company, each Member of the Bidding Consortium.
- 3) This format may be modified only to the limited extent required to comply with the local regulations and laws applicable to a foreign entity submitting this resolution. For example, reference to Companies Act 1956 / Companies Act 2013 (as the case may be) may be suitably modified to refer to the law applicable to the entity submitting the resolution. However, in such case, the foreign entity shall submit an unqualified opinion issued by the legal counsel of such foreign entity, stating that the Board resolutions are in compliance with the applicable laws of the respective jurisdictions of the issuing company and the authorizations granted therein are true and valid.]

Format 2**Format for the Board resolution of Technically / Financially Evaluated Entity / Ultimate Parent Company (in case credentials of such TEE/ FEE has been utilized by the Bidding Company or Bidding Consortium)**

The Board, after discussion, at the duly convened Meeting on [Insert date], with the consent of all the Directors present and in compliance of the provisions of the Companies Act, 1956 / 2013, passed the following Resolution:

RESOLVED THAT pursuant to the provisions of the Companies Act, 1956 / Companies Act, 2013 (as the case may be) and compliance thereof and as permitted under the Memorandum and Articles of Association of the company, approval of the Board be and is hereby accorded for issuing an Undertaking to the BPC, in the format specified in the RFP issued by the BPC, draft of which is attached hereto and initialed by the Chairman whereby the company undertakes to investpercent (.... %) of the total equity share capital of **SPV [which is under incorporation]** representing the entire amount proposed to be invested by[insert the name of the Bidder or Member] for the said Project, in case of failure of[Insert the name of the Bidder or Member] to make such investment".

FURTHER RESOLVED THAT,be and is hereby authorized to take all the steps required to be taken by the Company, including in particular, signing the said Undertaking, submitting the same to the BPC through[Insert name of Bidding Company/Lead Member of the Consortium] of all the related documents, certified copy of this Board resolution or letter, undertakings etc, required to be submitted to BPC as part of the Bid or such other documents as may be necessary in this regard.

Certified True Copy**Company rubber stamp to be affixed****Note:**

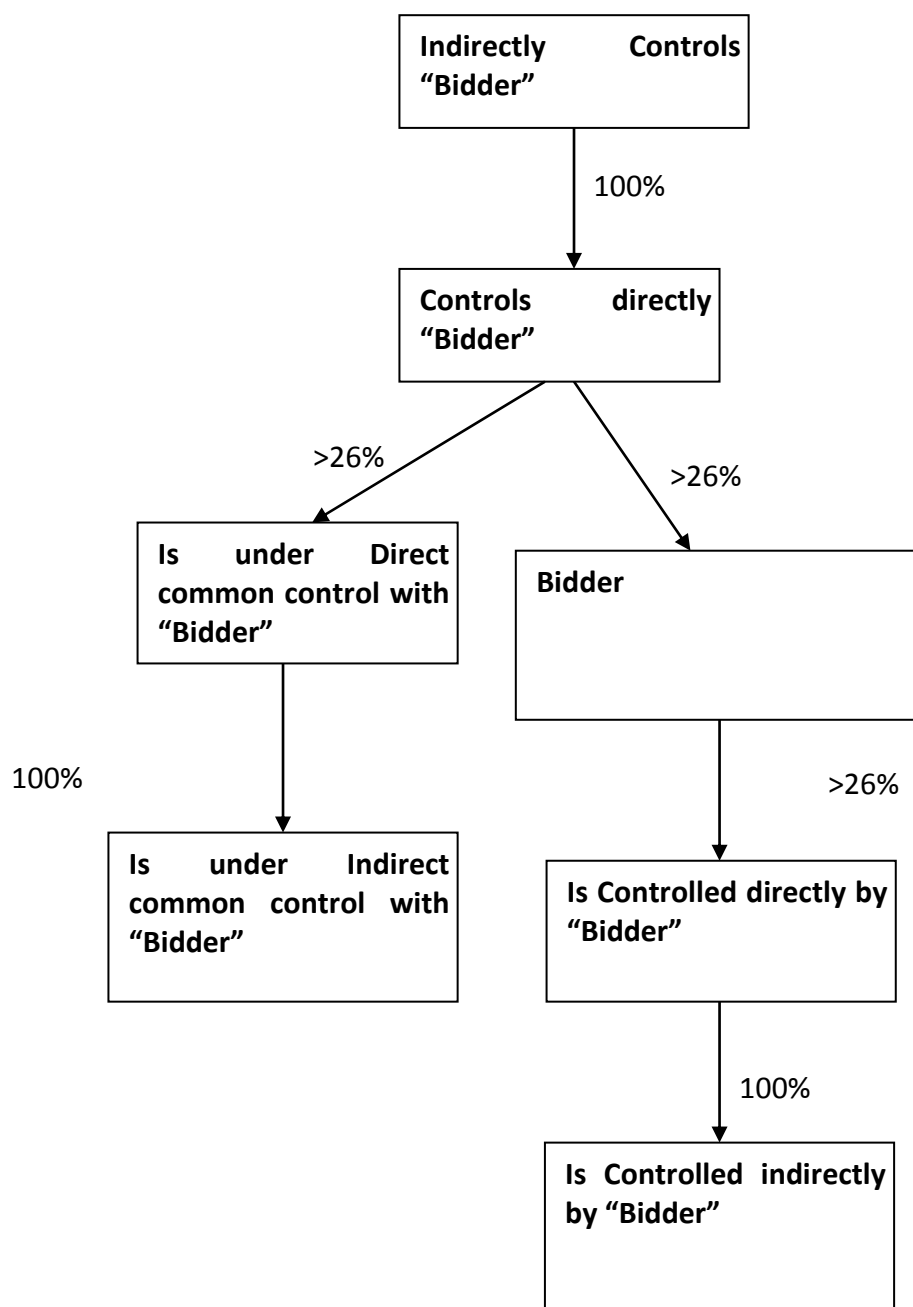
1. This certified true copy should be submitted on the letterhead of the Company, signed by the Company Secretary or any Whole-time Director/Manager (supported by a specific board resolution) of Bidding Company or Lead Member of the Consortium.
2. The contents of the format may be suitably re-worded indicating the identity of the entity passing the resolution.
3. This format may be modified only to the limited extent required to comply with the local regulations and laws applicable to a foreign entity submitting this resolution. For example, reference to Companies Act 1956 / Companies Act 2013 (as the case may be) may be suitably modified to refer to the law applicable to the entity submitting the resolution. However, in such case, the foreign entity shall submit an unqualified opinion issued by the legal counsel of such foreign entity, stating that the Board resolutions are in compliance with the applicable laws of the respective jurisdictions of the issuing company and the authorizations granted therein are true and valid.

ANNEXURE 11A – ILLUSTRATION FOR APPLICABLE BOARD RESOLUTION REQUIREMENTS UNDER CLAUSE 2.5.2

Investor in the TSP	Entities (other than Bidder) whose credentials (financial and/or technical) used by the Bidder for meeting RFP criteria	Applicable Board Resolutions	Requirement of Undertaking (Annexure 10)
Bidder himself for 100% equity	None	a) Format 1 of Annexure 11 - Resolution: 1, 2 and 4 from the Bidder	None
Bidder himself for 100% equity	Affiliate and/or Parent Company and/or Ultimate Parent	<p>a) Format 1 of Annexure 11 - Resolution: 1, 2, and 4 from the Bidder</p> <p>b) Format 2 of Annexure 11 by either Technically/ Financially Evaluated Entity(ies) whose credentials have been used, or Ultimate Parent.</p> <p>Provided, if the Bidder himself is the Ultimate Parent, then Format 2 need not be provided.</p>	<p>Yes, by either Technically / Financially Evaluated Entity(ies) Affiliate(s) whose credentials have been used, or Ultimate Parent.</p> <p>Provided, if the Bidder himself is the Ultimate Parent, then the undertaking need not be provided.</p>
Bidder himself + others (Affiliate and/or Parent Company and/or Ultimate Parent) in aggregate holding 100% equity	None	<p>a) Format 1 of Annexure 11 - Resolution: 1,2, 3 and 4 from the Bidder.</p> <p>b) Format 1 of Annexure 11 - Resolution: 1 from the Affiliate and /or Parent and /or Ultimate Parent</p>	None

Investor in the TSP	Entities (other than Bidder) whose credentials (financial and/or technical) used by the Bidder for meeting RFP criteria	Applicable Board Resolutions	Requirement of Undertaking (Annexure 10)
		investing in the equity	
Bidder himself + others (Affiliate and/or Parent Company and/or Ultimate Parent) in Aggregate holding 100% equity	Affiliate and/or Parent Company and/or Ultimate Parent	a) Format 1 of Annexure 11 - Resolution: 1,2, 3 and 4 from the Bidder. b) Format 1 of Annexure 11 - Resolution: 1 from the Affiliate and/or Parent and/or Ultimate Parent investing in the equity c) Format 2 of Annexure 11 by either Parent / Affiliate(s) whose credentials have been used and /or Ultimate Parent investing in the equity	Yes, by either Parent/ Affiliate(s) whose credentials have been used, or Ultimate Parent

ANNEXURE 12 - FORMAT FOR ILLUSTRATION OF AFFILIATES



NOTE: Bidder to provide the illustration, as applicable in their case, duly certified by the Company Secretary and supported by documentary evidence in this regard.

ANNEXURE 13 - FORMAT FOR DISCLOSURE**[On the letter head of Bidding Company / Each Member in a Bidding Consortium]****Date:****DISCLOSURE**

We hereby declare that the following companies with which we/ have direct or indirect relationship are also separately participating in this Bid process as per following details

S. No.	Name of the Company	Relationship
1.		
2.		
3.		

In case there is no such company please fill in the column “name of the company” as Nil.

Further we confirm that we don't have any Conflict of Interest with any other company participating in this bid process.

Certified as True

.....
(Signature)

Name:

Signature & Name of authorized signatory of the Company and Stamp

The above disclosure should be signed and certified as true by the authorized signatory of the Bidding Company or of the Member, in case of a Consortium).

ANNEXURE 14 - FORMAT OF THE BID BOND

**FORMAT OF THE UNCONDITIONAL AND IRREVOCABLE BANK
GUARANTEE FOR BID BOND**

(To be on non-judicial stamp paper of appropriate value as per Stamp Act relevant to place of execution.)

In consideration of the [Insert name of the Bidder] submitting the Bid inter alia for establishing the Inter-State transmission system for **Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): PART-B** on build, own, operate and transfer basis, in response to the RFP dated **February 15, 2023** issued by PFC Consulting Limited, and the Bid Process Coordinator (hereinafter referred to as BPC) agreeing to consider such Bid of [Insert the name of the Bidder] as per the terms of the RFP, the [Insert name and address of the bank issuing the Bid Bond, and address of the Head Office] (hereinafter referred to as "Guarantor Bank") hereby agrees unequivocally, irrevocably and unconditionally to pay to PFC Consulting Limited or its authorized representative at _____ [Address of BPC] forthwith on demand in writing from PFC Consulting Limited or any representative authorized by it in this behalf, any amount up to and not exceeding Rupees _____ Only (Rs _____ Crore), on behalf of M/s.....[Insert name of the Bidder].

This guarantee shall be valid and binding on the Guarantor Bank up to and including [Date to be inserted on the basis of Clause 2.11 of this RFP] and shall not be terminable by notice or any change in the constitution of the Guarantor Bank or by any other reasons whatsoever and our liability hereunder shall not be impaired or discharged by any extension of time or variations or alternations made, given, or agreed with or without our knowledge or consent, by or between concerned parties.

Our liability under this Guarantee is restricted to Rupees _____ Only (Rs _____ Crore). Our Guarantee shall remain in force until [Date to be inserted on the basis of Clause 2.11 of this RFP]. PFC Consulting Limited or its authorized representative shall be entitled to invoke this Guarantee until [Insert Date, which is three sixty five days (365) days after the date in the preceding sentence]. The Guarantor Bank hereby expressly agrees that it shall not require any proof in addition to the written demand from PFC Consulting Limited or its authorized representative, made in any format, raised at the above mentioned address of the Guarantor Bank, in order to make the said payment to PFC Consulting Limited or its authorized representative.

The Guarantor Bank shall make payment hereunder on first demand without restriction or conditions and notwithstanding any objection, disputes, or disparities raised by the Bidder or any other person. The Guarantor Bank shall not require PFC Consulting Limited or its authorized representative to justify the invocation of this BANK GUARANTEE, nor shall the Guarantor Bank have any recourse against PFC Consulting Limited or its authorized representative in respect of any payment made hereunder.

This BANK GUARANTEE shall be interpreted in accordance with the laws of India.

The Guarantor Bank represents that this BANK GUARANTEE has been established in such form and with such content that it is fully enforceable in accordance with its terms as against the Guarantor Bank in the manner provided herein.

This BANK GUARANTEE shall not be affected in any manner by reason of merger, amalgamation, restructuring or any other change in the constitution of the Guarantor Bank.

This BANK GUARANTEE shall be a primary obligation of the Guarantor Bank and accordingly PFC Consulting Limited or its authorized representative shall not be obliged before enforcing this BANK GUARANTEE to take any action in any court or arbitral proceedings against the Bidder, to make any claim against or any demand on the Bidder or to give any notice to the Bidder to enforce any security held by PFC Consulting Limited or its authorized representative or to exercise, levy or enforce any distress, diligence or other process against the Bidder.

Notwithstanding anything contained hereinabove, our liability under this Guarantee is restricted to Rupees _____ Only (Rs ____ Crore) and it shall remain in force until [Date to be inserted on the basis of Clause 2.11 of RFP], with an additional claim period of three hundred sixty five (365) days thereafter. We are liable to pay the guaranteed amount or any part thereof under this BANK GUARANTEE only if PFC Consulting Limited or its authorized representative serves upon us a written claim or demand.

In witness whereof the Bank, through its authorized officer, has set its hand and stamp on this..... day of at.....

Witness:

1.....
Name and Address

Signature:
Name:

2.
Name and Address

Designation with Stamp:

Signature

Attorney as per power of attorney
No.....

For:
..... [Insert Name of the Bank]

Banker's Stamp and Full Address:

Dated this day of 20.....

Notes:

The Stamp Paper should be in the name of the Executing Bank.

ANNEXURE 15 - FORMAT FOR CONTRACT PERFORMANCE GUARANTEE

(To be on non-judicial stamp paper of appropriate value as per Stamp Act relevant to place of execution. Foreign entities submitting Bids are required to follow the applicable law in their country)

In consideration of the [Insert name of the SPV or Selected Bidder on behalf of SPV or Lead Member in case of the Consortium, with address] agreeing to undertake the obligations under the Transmission Service Agreement dated and the other RFP Project Documents and the Nodal Agency and PFC Consulting Limited, agreeing to execute the RFP Project Documents with the Selected Bidder, regarding setting up the Project, the.....[Insert name and address of the bank issuing the guarantee and address of the head office] (hereinafter referred to as "Guarantor Bank") hereby agrees unequivocally, irrevocably and unconditionally to pay to the Nodal Agency at..... [Insert Place and Address of the Nodal Agency indicated in TSA] forthwith on demand in writing from the Nodal Agency or any Officer authorized by it in this behalf, any amount up to and not exceeding Rupees.....Crores (Rs.....) only [Insert the amount of the bank guarantee] on behalf of M/s..... [Insert name of the Selected Bidder / SPV].

This guarantee shall be valid and binding on the Guarantor Bank up to and includingand shall not be terminable by notice or any change in the constitution of the Bank or the term of the Transmission Service Agreement or by any other reasons whatsoever and our liability hereunder shall not be impaired or discharged by any extension of time or variations or alternations made, given, or agreed with or without our knowledge or consent, by or between parties to the respective agreement.

Our liability under this Guarantee is restricted to Rupees Crores (Rs.....) only. Our Guarantee shall remain in force until..... [Insert the date of validity of the Guarantee as per Clause 2.12.1 of the RFP]. The Nodal Agency shall be entitled to invoke this Guarantee up to three hundred sixty five (365) days of the last date of the validity of this Guarantee.

The Guarantor Bank hereby expressly agrees that it shall not require any proof in addition to the written demand from the Nodal Agency, made in any format, raised at the above mentioned address of the Guarantor Bank, in order to make the said payment to the Nodal Agency.

The Guarantor Bank shall make payment hereunder on first demand without restriction or conditions and notwithstanding any objection by **SPV [which is under incorporation]**, [Insert name of the Selected Bidder], [Insert name of the TSP] and/or any other person. The Guarantor Bank shall not require the Nodal Agency to justify the invocation of this BANK GUARANTEE, nor shall the Guarantor Bank have any recourse against the Nodal Agency in respect of any payment made hereunder.

This BANK GUARANTEE shall be interpreted in accordance with the laws of India.

The Guarantor Bank represents that this BANK GUARANTEE has been established in such form and with such content that it is fully enforceable in accordance with its terms as against the Guarantor Bank in the manner provided herein.

This BANK GUARANTEE shall not be affected in any manner by reason of merger, amalgamation, restructuring, liquidation, winding up, dissolution or any other change in the constitution of the Guarantor Bank.

This BANK GUARANTEE shall be a primary obligation of the Guarantor Bank and accordingly the Nodal Agency shall not be obliged before enforcing this BANK GUARANTEE to take any action in any court or arbitral proceedings against **SPV [which is under incorporation]** or the Selected Bidder, to make any claim against or any demand on **SPV [which is under incorporation]** or the Selected Bidder, as the case may be, or to give any notice to **SPV [which is under incorporation]** or the Selected Bidder, as the case may be, or to enforce any security held by the Nodal Agency or to exercise, levy or enforce any distress, diligence or other process against **SPV [which is under incorporation]** or the Selected Bidder, as the case may be.

The Guarantor Bank acknowledges that this BANK GUARANTEE is not personal to the Nodal Agency and may be assigned, in whole or in part, (whether absolutely or by way of security) by Nodal Agency to any entity to whom the Nodal Agency is entitled to assign its rights and obligations under the Transmission Service Agreement.

The Guarantor Bank hereby agrees and acknowledges that the Nodal Agency shall have a right to invoke this Bank Guarantee either in part or in full, as it may deem fit.

Notwithstanding anything contained hereinabove, our liability under this Guarantee is restricted to RupeesCrore (Rs) only and it shall remain in force until [Date to be inserted on the basis of Article 3.1.2 of TSA], with an additional claim period of three hundred sixty five (365) days thereafter. This BANK GUARANTEE shall be extended from time to time for such period, as may be desired by..... [Insert name of the Selected Bidder or Lead Member in case of the Consortium or SPV]. We are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee only if the Nodal Agency serves upon us a written claim or demand.

In witness where of:

Signature.....

Name:

Power of attorney No.:

For:

..... [Insert Name of the Bank]

Banker's Seal and Full Address, including mailing address of the Head Office

Notes:

1. The Stamp Paper should be in the name of the Executing Bank.

ANNEXURE 16 – FORMAT OF CHECKLIST FOR TECHNICAL BID SUBMISSION REQUIREMENTS

[This format needs to be duly filled in, signed by the authorized signatory of the Bidder (Bidding Company / Lead Member in case of a Bidding Consortium) and submitted along with the Bidder's Technical Bid]

Technical Bid Submission Requirements	Response (Yes / No)
<ol style="list-style-type: none"> 1. Format for the Covering Letter on the letterhead of Bidding Company or Lead Member of the Consortium, as applicable; 2. Format for Letter of Consent from each Consortium Member, including Lead Member, on their respective letterheads; 3. Format for evidence of authorized signatory's authority ; 4. Board resolution from the Bidding Company / Lead Member of the Consortium in favour of the person executing the Power of Attorney as per Annexure 3; 5. Power of Attorney from each Consortium Member in favour of Lead Member to be provided by each of the other Members of the Consortium as per Annexure 4; 6. Board Resolution from each Member of the Consortium, other than the Lead Member, in favour of their respective authorized representatives for executing the POA, Consortium Agreement and signing of the requisite formats; 7. Format for Bidder's composition and ownership structure, along with status of equity holding (owning ten percent or more of the total paid up equity) not earlier than thirty (30) days prior to the Bid Deadline as per Annexure 5; 8. Consortium Agreement duly signed as per Annexure 6, along with Appendix-1, indicating the responsibilities and obligations of each Member of the Consortium; 9. Format for Qualification Requirement: <ol style="list-style-type: none"> a. Calculation sheets, detailing computation of Networth considered for meeting Qualifying Requirements, duly signed and stamped by the Statutory Auditor of the Bidding Company / each Member in case of a Bidding Consortium / FEE in cases where credentials of FEE is taken; b. Calculation sheets, detailing computation of capital expenditure of projects and revenue received in construction projects considered for meeting Qualification Requirements, duly signed and stamped by the Statutory Auditor of the Bidding Company / Lead Member in case of Bidding Consortium / TEE in cases where credentials of TEE is taken; 	

Technical Bid Submission Requirements	Response (Yes / No)
<p>c. Last financial year unconsolidated / consolidated audited annual accounts / statements, as the case may be, of the Financially Evaluated Entity / Technical Evaluated Entity</p> <p>d. Unconsolidated audited annual accounts of both the TEE and the Bidding Company/Lead member, as applicable, from the financial years in which financial closure was achieved till the financial year in which the said project was completed / commissioned.</p> <p>10. Copy of the Memorandum and Articles of Association and certificate of incorporation or other organizational document (as applicable), including their amendments, certified by the Company Secretary of Bidding Company or each Member in case of a Consortium including Lead Member.</p> <p>11. Attachment of Annexure 7(D), detailing projects completed / commissioned and for which commercial operation has commenced including Executive Summary for each project.</p> <p>12. For each project listed in the attachment above, certified true copy of the certificates of final acceptance and / or certificates of good operating performance duly issued by owners or clients for the project, duly signed by authorized signatory in support of technical capability as defined in Clause 2.1.2 of RFP.</p> <p>13. Authority letter in favour of BPC from the Bidder/every Member of the Consortium authorizing the BPC to seek reference from their respective bankers & others.</p> <p>14. Authorization from Parent / Affiliate of Bidding Company / Member of Bidding Consortium whose technical / financial capability has been used by the Bidding Company / Member of Bidding Consortium.</p> <p>15. Initialing of all pages of Technical Bid by the Authorized Signatory in whose favour the POA (Annexure 3) has been executed.</p> <p>16. Format for Illustration of Affiliates at the most seven (7) days prior to the Bid Deadline, duly certified by Company Secretary and supported by documentary evidence.</p> <p>17. Certified copy of the Register of Members / Demat Account Statement, Share Certificate, Annual Return filed with ROC etc. submitted as documentary evidence along with Annexure 12.</p> <p>18. Format for Disclosure by Bidding Company / each Member of the Consortium.</p> <p>19. Format for Affidavit by the Bidding Company / each Member of the Consortium</p>	

Technical Bid Submission Requirements	Response (Yes / No)
20. Format for Authorization submitted in Non-Judicial stamp paper duly notarized. 21. Bidders Undertaking and details of Equity Investment 22. Proof of Payment of RFP Fees 23. Bid Bond 24. Board Resolution as per Annexure 11 (If required)	

[**Note:** The checklist is not exhaustive. Bidders are required to submit all the information/documents as per requirement of RFP]

For and on behalf of Bidder

M/s.

.....
(Signature of authorized signatory)

ANNEXURE 17 – LIST OF BANKS

The list of banks shall include all Scheduled Commercial Banks as per Second Schedule of RBI Act-1934 and any amendments thereof.

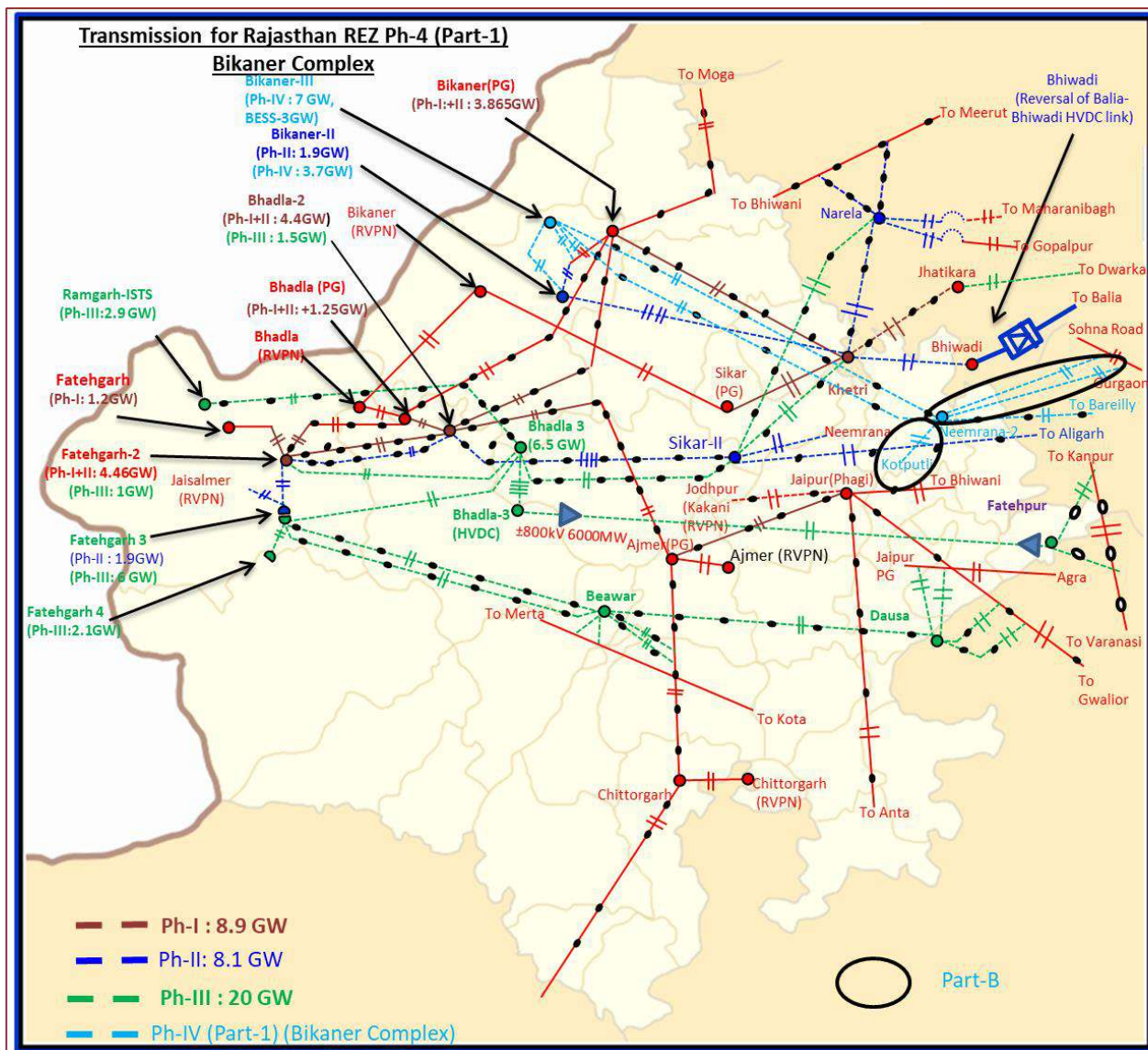
Note:

The above list of banks is indicative and can be modified by the BPC as required and any such change shall not be construed as a deviation from this document.

ANNEXURE 18 - GRID MAP OF THE PROJECT

Transmission Grid Map indicating the details of the Project is given below:

Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): PART-B



ANNEXURE 19 - FORMAT FOR CLARIFICATIONS / AMENDMENTS ON THE RFP / RFP PROJECT DOCUMENTS

S. No.	Name of the Document	Clause No. and Existing provision	Clarification required	Suggested text for the amendment	Rationale for the Clarification or Amendment

Signature

Name.....

For

Bidder's Rubber Stamp and Full Address.

(Note: This format shall be used for submission of requests for clarifications/ amendments on the draft RFP Project Documents as per the provisions of Clause 2.3.1)

ANNEXURE 20 - LIST FOR RFP PROJECT DOCUMENTS

ENCLOSURE 1: TRANSMISSION SERVICE AGREEMENT (Provided separately)

ENCLOSURE 2: SHARE PURCHASE AGREEMENT (Provided Separately)

.....

ANNEXURE 21 - FORMAT FOR FINANCIAL BID**[To be uploaded online]****Quoted Transmission Charges****Notes**

1. The Bidders are required to ensure compliance with the provisions of Clause 2.5.3 of this RFP.
2. Quotes to be in Rupees Millions and shall be up to two (2) decimal points.
3. The contents of this format shall be clearly typed.
4. The Financial Bid shall be digitally signed by the authorized signatory in whose name power of attorney as per Clause 2.5.2 is issued.
5. Ensure only one value for annual Transmission Charges is quoted. The same charge shall be payable every year to TSP for the term of TSA.

ANNEXURE 22 – FORMAT FOR AFFIDAVIT

[On non-judicial stamp paper. Foreign companies submitting bids are required to follow the applicable law in their country]

AFFIDAVIT

We [including any of our Affiliate and Consortium Member & any of its Affiliate], hereby declare that as on Bid Deadline:

- a. the Bidder & any of its Affiliate including any Consortium Member & any of its Affiliate, their directors or key personnel have not been barred or included in the blacklist by any government agency or authority in India, the government of the jurisdiction of the Bidder or Members where they are incorporated or the jurisdiction of their principal place of business, any international financial institution such as the World Bank Group, Asian Development Bank, African Development Bank, Inter-American Development Bank, Asian Infrastructure Investment Bank etc. or the United Nations or any of its agencies; or
- b. the Bidder & any of its Affiliate including any Consortium Member & any of its Affiliate or their directors have not been convicted of any offence in India or abroad.

We further declare that following investigations are pending / no investigation is pending [strike off whichever is not applicable] against us [including any of our Consortium Member or Affiliate or Parent or Ultimate Parent or Affiliate] or CEO or any of our directors/manager/key managerial personnel of the Applicant /Consortium Member or their Affiliates.

We further undertake to inform the BPC of any such matter as mentioned above on its occurrence after the date of this affidavit till the Effective Date.

We undertake that, in case, any information provided in relation to this affidavit is found incorrect at any time hereafter, our BID / Letter of Intent / contract (if entered) would stand rejected / recalled / terminated, as the case may be.

.....

Signature and Name of the authorized signatory of the Company Bidding Company / Lead Member of the Bidding Consortium

.....

(Signature of Notary Public)

Place:

Date:

Note: In case any investigation is pending against the Applicant, including any Consortium Member or Affiliate, or CEO or any of the directors/ manager/key managerial personnel of the Applicant /Consortium /Member or their Affiliates, full details of such investigation including the name of the investigating agency, the charge/offence for which the investigation has been launched, name and designation of persons against whom the investigation has been launched and other relevant information should be disclosed under this affidavit.

ANNEXURE A

Technical Details with respect to electronic bidding

Registration Methodology

In order to submit online bids in the e-bidding process for selection of Transmission Service Provider, interested Bidders are required to register themselves with the e-procurement website of MSTC Limited namely www.mstcecommerce.com/eprochome/tsp/index.jsp. To register with the website, the Bidder is required to fill up the online form available under the link Register as Vendor in the above website and fill up the same and click on Submit.

During this process, the Bidder shall create his user id and password and keep note of the same. The Bidder shall ensure that the secrecy of his user id and password is maintained at all time and he/she shall alone be responsible for any misuse of the user id and password.

The Bidder may check the details entered by it before final submission. On successful submission of the online registration Form, the Bidder shall receive a confirmation mail in the registered email address advising the Bidder to submit the following documents.

- i. Self attested Income Tax PAN Card. In case of a registered Company or Firm, the Firm's PAN card and in case of a proprietorship firm, proprietor's personal PAN card is required. In case of partnership firm, PAN of the firm and that of the authorized partner are to be submitted.
- ii. Copy of the confirmation email Letter received from MSTC after successful completion of on-line registration.
- iii. A non-refundable registration fee of Rs.10,000/- plus GST as per applicable rate to be paid online. The account details will be available in the System generated email sent by MSTC post registration.

Please provide details of payment made like UTR No, remitting bank name, date of payment and amount in the covering letter.

The Bidder shall have to submit all the above documents to MSTC Limited for verification and activation of their login ids. The Bidders should send scanned copies of the above documents to the designated email id only which is given below.

tsp@mstcindia.co.in

It may be noted that Bidders need not visit any of the offices of MSTC Limited for submission of the documents.

Contact persons of MSTC Limited:

Ms. Archana Juneja

9990673698

Mr. Setu Dutt Sharma

7878055855

Once the complete set of documents and requisite registration fee are received from a Bidder, MSTC shall activate the Bidder's login after verification / scrutiny of the documents. MSTC Limited reserves the right to call for additional documents from the Bidder if needed and the Bidder shall be obliged to submit the same.

On completion of the above stated registration process, a Bidder shall be able to login to MSTC's website.

ANNEXURE B

Draft Pre-Award Integrity Pact

GENERAL

This pre-bid contract Agreement (herein after called the Integrity Pact) is made on day of the month of 20....., between, on one hand, [Insert name of BPC] through Shri [Insert Name & designation of representative of BPC] (hereinafter called the "Bid Process Coordinator/ BPC", which expression shall mean and include, unless the context otherwise requires, his successors in the office and assigns) of the First Part and M/s represented by Shri [Insert Name & Designation of Authorized Signatory of the Bidder/ Lead Member of Consortium] (hereinafter called the "Bidder" which expression shall mean and include, unless the context otherwise requires, his successors and permitted assigns) of the Second Part.

WHEREAS the BPC is conducting the bidding process for selection of bidder as Transmission Service Provider (TSP) for **“Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): PART-B”**, who will be responsible to set up the transmission project on build, own, operate and transfer (BOOT) basis and to provide Transmission Service.

WHEREAS the Bidder is a Private Company/Public Company/Government Undertaking/ Partnership, constituted in accordance with the relevant law in the matter and the BPC is a Public Sector Undertaking (PSU) performing its function on behalf of the Ministry of Power, Government of India.

NOW, THEREFORE,

To avoid all forms of corruption by following a system that is fair, transparent and free from any influence/prejudiced dealings during the complete bidding process with a view to:-

Enabling the BPC to select the bidder as TSP in conformity with the defined procedures by avoiding the high cost and the distortionary impact of corruption on public procurement, and

Enabling Bidder to abstain from bribing or indulging in any corrupt practice in order to emerge as selected bidder by providing assurance to them that their competitors will also abstain from bribing and other practices and the BPC will commit to prevent corruption, in

any form, by its officials by following transparent procedures.

The parties hereto hereby agree to enter into this Integrity Pact and agree as follows:

Commitments of BPC

- 11 The BPC undertakes that no official of the BPC, connected directly or indirectly with the bidding process, will demand, take a promise for or accept, directly or through intermediaries, any bribe, consideration, gift, reward, favour or any material or immaterial benefit or any other advantage from the BIDDER, either for themselves or for any person, organization or third party related to the bidding process in exchange for an advantage in the bidding process, bid evaluation, contracting or implementation process related to the contract.
- 12 The BPC will, during the bidding stage, treat all bidders alike, and will provide to all bidders the same information and will not provide any such information to any particular bidder which could afford an advantage to that particular bidder in comparison to the other bidders.
- 13 All the officials of the BPC will report the appropriate Government office any attempted or completed breaches of the above commitments as well as any substantial suspicion of such a breach.
- 2 In case of any such preceding misconduct on the part of such official(s) is reported by the Bidder to the BPC with the full and verifiable facts and the same is *prima facie* found to be correct by the BPC, necessary disciplinary proceedings, or any other action as deemed fit, including criminal proceedings may be initiated by the BPC and such a person shall be debarred from further dealings related to the bidding process. In such a case while an enquiry is being conducted by the BPC the proceedings under the bidding process would not be stalled.

Commitments of Bidder

3. The Bidder commits itself to take all measures necessary to prevent corrupt practices, unfair means and illegal activities during any stage of its bid or during any pre award stage in order to emerge as Selected Bidder or in furtherance to secure it and in particular commits itself to the following:-
- 3.1 The Bidder will not offer, directly or through intermediaries, any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the BPC,

connected directly or indirectly with the bidding process, or to any person, organization or third party related to the bidding process in exchange for any advantage in the bidding, evaluation, contracting and implementation of the bidding process.

- 32 The Bidder further undertakes that it has not given, offered or promised to give, directly or indirectly any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the BPC or otherwise in bidding process or for bearing to do or having done any act in relation to bidding process or any other contract with the Government for showing or forbearing to show favour or disfavour to any person in relation to the bidding process or any other contract with the Government.
- 33 The Bidder shall disclose the name and address of agents and representatives and Indian Bidder shall disclose their foreign principals or associates.
- 34 The Bidder shall disclose the payments to be made by them to agents/brokers or any other intermediary, in connection with this bid .
- 35 The Bidder further confirms and declares to the BPC that the Bidder has not engaged any individual or firm or company whether Indian or foreign to intercede, facilitate or in any way to recommend to the BPC or any of its functionaries, whether officially or unofficially for selection of Bidder as TSP, nor has any amount been paid, promised or intended to be paid to any such individual, firm or company in respect of any such intercession, facilitation or recommendation.
- 36 The Bidder, either while presenting the bid or during pre-award negotiations or before signing the Share Purchase Agreement, shall disclose any payments he has made, is committed to or intends to make to officials of the BPC or their family members, agents, brokers or any other intermediaries in connection with the bidding process and the details of services agreed upon for such payments.
- 37 The Bidder will not collude with other parties interested in the bidding process to impair the transparency, fairness and progress of the bidding process.
- 38 The Bidder will not accept any advantage in exchange for any corrupt practice, unfair means and illegal activities.
- 39 The Bidder shall not use improperly, for purpose of competition or personal gain, or pass on to others, any information provided by the BPC as part of the business

relationship, regarding plans, technical proposal and business details, including information contained in any electronic data carrier. The Bidder also undertakes to exercise due and adequate care lest any such information is divulged.

- 3.10 The Bidder commits to refrain from giving any complaint directly or through any other manner without supporting it with full and verifiable facts.
- 3.11 The Bidder shall not instigate or cause to instigate any third person to commit any of the actions mentioned above.
- 3.12 The Bidder shall not lend to or borrow any money from or enter into any monetary dealings or transactions, directly or indirectly, with any employee of the BPC.

4. Previous Transgression

- 4.1 The Bidder declares that no previous transgression occurred in the last three years immediately before signing of this Integrity Pact, with any other company in any country in respect of any corrupt practices envisaged hereunder or with any Public Sector Enterprise in India or any Government Department in India that could justify Bidder's exclusion from the bidding process.
- 4.2 The Bidder agrees that if it makes incorrect statement on this subject, Bidder can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

5. Bid Bond (Security Deposit)

- 5.1 Along with the technical bid, the Bidder shall submit Bid Bond for an amount of **Rs. 18.20 Crore (Rupees Eighteen Crore Twenty Lakh Only)** issued by any Banks from the list provided in RFP Document] as Earnest Money/Security Deposit, with the BPC.
- 5.2 The Earnest Money/Security Deposit shall be valid & retained by the BPC for such period as specified in the RFP Document.
- 5.3 No interest shall be payable by the BPC to the Bidder on Earnest Money/Security Deposit for the period of its currency.

6. Sanctions for Violations

- 61 Any breach of the aforesaid provisions by the Bidder or any one employed by it or acting on its behalf (whether with or without the knowledge of the Bidder) shall entitle the BPC to take all or anyone of the following actions, wherever required:-
- (i) To immediately call off the pre-award negotiations without assigning any reason or giving any compensation to the Bidder. However, the proceedings with the other Bidder (s) would continue.
 - (ii) The Bid Bond (in pre-award stage) shall stand forfeited either fully or partially, as decided by the BPC and the BPC shall not be required to assign any reason therefore.
 - (iii) To immediately cancel the award, if already awarded, without giving any compensation to the Bidder.
 - (iv) To cancel all or any other contracts with the Bidder. The Bidder shall be liable to pay compensation for any loss or damage to the BPC resulting from such cancellation/rescission.
 - (v) To debar the Bidder from participation in any tender or RFP issued by any BPC for an indefinite period.
 - (vi) To recover all sums paid in violation of this Pact by Bidder to any middleman or agent or broker with a view to securing the award.
- 62 The BPC will be entitled to take all or any of the actions mentioned at para 6.1 (i) to (vi) of this Pact also on the Commission by the Bidder or anyone employed by it or acting on its behalf (whether with or without the knowledge of the Bidder), of an offence as defined in Chapter IX of the Indian Penal code, 1860 or Prevention of Corruption Act, 1988 or any other statute enacted for prevention of corruption.
- 63 The decision of the BPC to the effect that a breach of the provisions of this Pact has been committed by the Bidder shall be final and conclusive on the Bidder. However, the Bidder can approach the Independent Monitor(s) appointed for the purposes of this Pact.
- 7. Independent Monitors**
- 7.1 The BPC has appointed Independent Monitors (hereinafter referred to as Monitors) for this Pact in consultation with the Central Vigilance Commission (Names and Addresses of the Monitors to be given).

Sh. Atul Sobti (Ex-CMD, BHEL)
Director General SCOPE
F-497, Vikaspuri,
New Delhi-110018

- 72 The task of the Monitors shall be to review independently and objectively, whether and to what extent the parties comply with the obligations under this Pact.
- 73 The Monitors shall not be subject to instructions by the representatives of the parties and perform their functions neutrally and independently.
- 74 Both the parties accept that the Monitors have the right to access all the documents relating to the project/procurement, including minutes of meetings.
- 75 As soon as the Monitor notices, or has reason to believe, a violation of this Pact, he will so inform the Authority designated by the BPC.
- 76 The Bidder accepts that the Monitors has the right to access without restriction to all Project documentation of the BPC including that provided by the Bidder. The Monitor shall be under contractual obligation to treat the information and documents of the Bidder /Subcontractors(s) with confidentiality. [As all the bid documents are with BPC only]
- 77 The BPC will provide to the Monitors sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the parties. The parties will offer to the monitor the option to participate in such meetings.
- 78 The Monitor will submit a written report to the designated Authority of the BPC/Secretary in the Department within 8 to 10 weeks from the date of reference or intimation to him by the BPC / Bidder and, should the occasion arise, submit proposals for correcting problematic situations.

8. Facilitation of Investigation

In case of any allegation of violation of any provisions of this Pact or payment of commission, the BPC or its agencies shall be entitled to examine all the documents including the Books of Accounts of the Bidder and the Bidder shall provide necessary information and documents in English and shall extend all possible help for the purpose of such examination.

9. Law and Place of Jurisdiction

This Pact is subject to Indian Law. The place of performance and jurisdiction is the seat of the BPC.

10. Other Legal Actions

The actions stipulated in this Integrity Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the any extent law in force relating to any civil or criminal proceedings.

11. Validity

11.1 The validity of this Integrity Pact shall be from date of its signing and upto 6 months from the date of transfer of project specific SPV i.e. signing of Share Purchase Agreement with BPC. In case Bidder is unsuccessful, this Integrity Pact shall expire after 15 days from the date of transfer of project specific SPV to successful bidder.

11.2 Should one or several provisions of this Pact turn out to be invalid, the remainder of this Pact shall remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

12 The Parties hereby sign this Integrity Pact at _____ on _____

Bid Process Coordinator (BPC)	BIDDER
Name of the Officer Designation Name of the BPC with address	Name of Whole time Director/Authorized Signatory Name of the Bidder with address
Witness:	Witness:
1. _____	1. _____
2. _____	

ANNEXURE-C**SPECIFIC TECHNICAL REQUIREMENTS FOR TRANSMISSION SYSTEM****SPECIFIC TECHNICAL REQUIREMENTS FOR TRANSMISSION LINE**

- A.1.0 The design, routing and construction of transmission lines shall be in accordance with Chapter V, Part A of CEA (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations 2022 as amended from time to time. Other CEA Regulations and MoP guidelines, as applicable, shall also be followed.
- A.2.0 Selection of tower type shall be made as per CEA Regulations, however in case lattice type towers are used, the following shall also be applicable:
- A.2.1 Steel section of grade E 250 and/or grade E 350 as per IS 2062, only are permitted for use in towers, extensions, gantry structures and stub setting templates. For towers in snowbound areas, steel sections shall conform to Grade-C of IS-2062.
- A.2.2 Towers shall be designed as per IS-802:2015, however the drag coefficient of the tower shall be as follows: -

Solidity Ratio	Drag Coefficient
Upto 0.05	3.6
0.1	3.4
0.2	2.9
0.3	2.5
0.4	2.2
0.5 and above	2.0

- A.3.0 Transmission Service Provider (TSP) shall adopt any additional loading/design criteria for ensuring reliability of the line, if so desired and /or deemed necessary.
- A.4.0 Transmission line shall be designed considering wind zones as specified in wind map given in National Building Code 2016, Vol.1. The developer shall also make his own assessment of local wind conditions and frequent occurrences of high intensity winds (HIW) due to thunderstorms, dust-storms, downburst etc. along the line route and wherever required, higher wind zone than that given in wind map shall be considered for tower design for ensuring reliability of line. Further, for transmission line sections passing within a distance of 50 km from the boundary of two wind zones, higher of the two wind zones shall be considered for design of towers located in such sections.

A.5.0 Selection of reliability level for design of tower shall be as per CEA Regulation (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations 2022 as amended from time to time.

A.6.0 A) For power line crossing of 400 kV or above voltage level (if crossed over the existing line) large angle & dead end towers (i.e. D/DD/QD) shall be used on either side of power line crossing.

B) For power line crossing of 132kV and 220kV (or 230kV) voltage level, angle towers(B/C/D/DB/DC/DD/QB/QC/QD) shall be used on either side of power line crossing depending upon the merit of the prevailing site condition and line deviation requirement.

C) For power line crossing of 66 kV and below voltage level, suspension/tension towers shall be provided on either side of power line crossing depending upon the merit of the prevailing site condition and line deviation requirement.

D) For crossing of railways, national highways and state highways, rules/regulations of appropriate authorities shall be followed.

A.7.0 The relevant conductor configuration shall be as follows: -

Type of conductor: ACSR / AAAC / AL59

Basic parameters:

Transmission line	ACSR Conductor specified	Equivalent AAAC conductor based on 53% conductivity of Al Alloy	Equivalent minimum size of AL59 conductor based on 59% conductivity of AL Alloy*	Sub-conductor Spacing
400kV D/C (Quad Moose) transmission lines	Moose: Stranding 54/3.53mm-Al + 7/3.53 mm-Steel, 31.77 mm diameter 528.5 sq. mm, Aluminium area, Maximum DC Resistance at 20°C (Ω/km): 0.05552 Minimum UTS: 161.20 kN	Stranding details: 61/3.55mm 31.95mm diameter; 604 sq. mm Aluminium alloy area Maximum DC Resistance at 20°C (Ω/km): 0.05506 Minimum UTS: 159.80 kN	Stranding details: 61/3.31 mm 29.79 mm diameter; 525 sq. mm Aluminium alloy area Maximum DC Resistance at 20°C (Ω/km): 0.0566 Minimum UTS: 124.70 kN	457 mm

Note:

1. **To Select any size above the minimum, the sizes mentioned in the Indian standard i.e IS-398(part-6) should be followed.*
2. *The transmission lines shall have to be designed for a maximum operating conductor temperature of 85 deg C.*

- A.8.0 The required phase to phase spacing and horizontal spacing for 400kV line shall be governed by the tower design as well as minimum live metal clearances for 400kV voltage level under different insulator swing angles. However, the phase to phase spacing for 400kV lines shall not be less than 8m.
- A.9.0 All electrical clearances including minimum live metal clearance, ground clearance and minimum mid span separation between earth wire and conductor shall be as per Central Electricity Authority (Measures Relating to Safety & Electric Supply) Regulations as amended from time to time and IS: 5613.

Minimum live metal clearances for 400 kV line:

- a) (i) Under stationary conditions:

From tower body: 3.05m

- (ii) Under Swing conditions

Wind Pressure Condition	Minimum Electrical Clearance
a) Swing angle (22°)	3.05 m
Swing angle (44°)	1.86 m

- b) Minimum ground clearance: 8.84 m
- c) Minimum mid span separation between earthwire and conductor: 9.0 m
- A.10.0 Shielding angle shall not exceed 20 degree for 400kV transmission line.
- A.11.0 The Fault current for design of line shall be 63kA for 1 second for 400kV.
- A.12.0 In case of 400kV voltage class lines, at least one out of two earth wires shall be OPGW and second earth wire, if not OPGW, shall be either of galvanized standard steel (GSS) or AACSR or any other suitable conductor type depending upon span length and other technical consideration.
- A.13.0 Each tower shall be earthed such that tower footing impedance does not exceed 10 ohms. Pipe type or Counterpoise type earthing shall be provided in accordance with relevant IS. Additional earthing shall be provided on every 7 to 8 km distance at tension tower for direct earthing of both shield wires. If site condition demands, multiple earthing or use of earthing enhancement compound shall be used.

- A14.0 Pile type foundation shall be used for towers located in river or creek bed or on bank of river having scourable strata or in areas where river flow or change in river course is anticipated, based on detailed soil investigation and previous years' maximum flood discharge of the river, maximum velocity of water, highest flood level, scour depth & anticipated change in course of river based on river morphology data of at least past 20 years to ensure availability and reliability of the transmission line.
- A.15.0 Transmission line route shall be finalized, in consultation with appropriate authorities so as to avoid the habitat zones of endangered species and other protected species. Bird diverters, wherever required, shall be provided on the line.
- A.16.0
- A.17.0 The raised chimney foundation is to be provided in areas prone to flooding/water stagnation like paddy field /agricultural field & undulated areas to avoid direct contact of water with steel part of tower. The top of the chimney of foundation should be at least above HFL (High Flood Level) or the historical water stagnation/ logging level (based on locally available data) or above High Tide Level or 500 mm above Natural Ground level (whichever is higher).
- A.18.0 Routing of transmission line through protected areas of India shall be avoided to the extent possible. In case, it is not possible to avoid protected areas, the towers of the transmission line upto 400 kV level which are installed in protected areas shall be designed for Multicircuit (4 circuits) configuration of same voltage level considering reliability level of at least two (2). The top two circuits of these multi-circuit towers shall be used for stringing of the transmission line under present scope and the bottom two circuits shall be made available for stringing of any future transmission line of any transmission service providers/ State transmission utilities/Central transmission utilities passing through the same protected area. Further, the configuration and coordinates of such transmission towers shall be submitted to CEA, CTU & BPC by the TSP.

SPECIFIC TECHNICAL REQUIREMENTS FOR SUBSTATION

The proposed 765/400kV substation near **Neemrana-II** shall be conventional AIS type generally conforming to the requirements of CEA (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations as amended from time to time.

Extension of **400kV Kotputli substation** shall be conventional AIS type generally conforming to the requirements of CEA (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations as amended from time to time.

All other CEA Regulations/guidelines as amended upto date and MoP guidelines shall also be followed.

B.1.0 Salient features of Substation Equipment and Facilities

The design and specification of substation equipment are to be governed by the following factors:

B.1.1 Insulation Coordination

The system design parameters for substations/switchyards shall be as given below:

Sl No.	Description of parameters	765/400kV Neemrana-II s/s		Extn. of 400kV Kotputli S/s
		765 kV System	400 kV System	400 kV System
1.	System operating voltage	765kV	400kV	400kV
2.	Maximum voltage of the system (rms)	800kV	420kV	420kV
3.	Rated frequency	50Hz	50Hz	50Hz
4.	No. of phase	3	3	3
5.	Rated Insulation levels			
i)	Impulse withstand voltage for (1.2/50 micro sec.) - for Equipment other than Transformer and Reactors - for Insulator String	2100kVp	1425kVp	1425kVp
		2100kVp	1550kVp	1550kVp
ii)	Switching impulse withstand voltage (250/2500 micro sec.) dry	1550kVp	1050kVp	1050kVp

Sl No.	Description of parameters	765/400kV Neemrana-II s/s		Extn. of 400kV Kotputli S/s
		765 kV System	400 kV System	400 kV System
	and wet			
iii)	One-minute power frequency dry withstand voltage (rms)	830kV	630kV	630kV
6.	Corona extinction voltage	508 kV	320kV	320kV
7.	Max. radio interference voltage for frequency between 0.5 MHz and 2 MHz	2500 micro-volts at 508 kV rms	1000 micro-volts at 266kV rms	1000 micro-volts at 266kV rms
8.	Minimum creepage distance for insulator string/ longrod insulators/ outdoor bushings	24800 mm (31mm/kV)	13020 mm (31m m/kV)	13020 mm (31mm/kV)
9.	Minimum creepage distance for switchyard equipment	20000 (25mm/kV)	10500mm (25m m/kV)	10500mm (25mm/kV)
10.	Max. fault current	50 kA	63 kA	63 kA
11.	Duration of fault	1 sec	1 Sec	1 Sec

B.1.2 Switching Scheme

The switching schemes, as mentioned below, shall be adopted at various voltage levels of substation/switchyard:

Substation	765kV side	400kV side
765/400kV Neemrana-II s/s	One & Half breaker	One & Half breaker
Extn. of 400kV Kotputli S/s	----	One & Half breaker

Notes: -

- i) At 400kV voltage level, any double circuit line consisting of two numbers feeders and originating from a transmission or generating switchyard shall not be terminated in one diameter.

- ii) Two transformers of same HV rating shall not be connected in the same diameter and similarly, two bus reactors of same HV rating shall also not be connected in the same diameter.
- iii) **Extn. of 400kV Kotputli s/s:** 400kV Neemrana-II D/c line shall be terminated in 02 nos. of new half diameter (consisting of Main and associated Tie bays) at Kotputli s/s. Single Line diagram indicating the same is attached with the RfP shall be referred.
- iv) **765kV Bay configuration (one and half breaker scheme) at Neemrana-II s/s shall consist of 06 nos. of half diameter (consisting of Main and associated Tie bays) for termination of ICT /Bus Reactor such that upcoming feeders from Bikaner-III (4 nos. with switchable line reactors), Bareilly (2 nos. with switchable line reactors) shall be terminated in the existing half diameter by the respective TSP with installation of circuit breaker and associated equipment in each diameter.**
- v) **A diameter in one and half breaker scheme is a set of 3 circuit breakers with associated isolators, earth switches, current transformers etc. for controlling of 2 numbers feeders.**

B.2.0 Substation

Equipment and facilities (Voltage level as applicable):

The switchgear shall be designed and specified to withstand operating conditions and duty requirements. All equipment shall be designed considering the following minimum capacity.

Sl. No.	Description of bay	Current Rating		
		765/400kV Neemrana-II s/s		Extn. of 400kV Kotputli S/s
		765kV	400kV	400kV
1.	Bus Bar	4000 A	4000 A	Quad ACSR Bersimis
2.	Line bay	3150 A	3150 A	3150 A
3.	ICT bay	3150 A	3150 A	3150 A
4.	Bus Reactor bay	3150 A	3150 A	3150 A

B.2.1 (765/ $\sqrt{3}$)/(400/ $\sqrt{3}$)/33 kV, Single Phase Autotransformer

500 MVA, (765/ $\sqrt{3}$)/(400/ $\sqrt{3}$)/33kV, 1-phase Transformer (including arrangement for 3-phase bank formation of 1500 MVA) shall conform to CEA's "Standard Specifications and Technical Parameters for Transformers and Reactors (66 kV and above)" as amended up to date, available on CEA website.

Spare 1-phase Transformer unit shall be placed and connected in such a way that spare unit can be utilized for all transformer banks (including for future transformer banks) without physically moving it.

B.2.2 (765/ $\sqrt{3}$) kV, Single Phase Shunt Reactor

110 MVAR, 765/ $\sqrt{3}$ kV, 1-Phase Reactor (including arrangement for 3-phase bank formation of 330 MVAR) shall conform to CEA's "Standard Specifications and Technical Parameters for Transformers and Reactors (66 kV and above)" as amended up to date, available on CEA website.

Spare 1-phase Shunt Reactor unit shall be placed and connected in such a way that the spare unit can be utilized for all the bus and line reactor banks (including for future reactor banks) without its physical movement.

B.2.3 420kV, 3-phase, Shunt Reactor

125 MVAR, 420kV, 3-Phase Reactor shall conform to CEA's "Standard Specifications and Technical Parameters for Transformers and Reactors (66 kV and above)" as amended up to date, available on CEA website.

B.2.4 765kV & 400kV AIS Substation equipment (as applicable)

B.2.4.1 Circuit Breakers (AIS)

The circuit breakers and accessories shall conform to IEC: 62271-100, IEC: 62271-1 and shall be of SF6 Type. The circuit breakers shall be of class C2-M2 (as per IEC) with regard to restrike probability during capacitive current breaking and mechanical endurance. The rated break time shall not exceed 40ms for 765kV & 400kV circuit breakers. 765kV & 400kV Circuit breakers shall be provided with single phase and three phase auto reclosing. The Circuit breakers controlling 765kV lines shall be provided either with pre-insertion closing resistor of about 450 ohms maximum with 9 ms insertion time or with Controlled Switching Device. The Circuit breakers controlling 400kV lines shall be provided with pre insertion closing resistor of about 400 ohms with 8 ms insertion time or Controlled Switching Device (CSD) for lines longer than 200 km. The short line fault capacity shall be same as the rated capacity and this is proposed to be achieved without use of opening resistors. The controlled switching device shall be provided in Circuit breakers of switchable line reactor and in Main & Tie circuit breakers of line with non-switchable line reactors and Bus reactors and 765 kV class Transformers.

B.2.4.2 Isolators (AIS)

The isolators shall comply to IEC 62271-102 in general. 765kV Isolator design shall be double break or vertical break or knee-type. 400kV shall be double break type. All Isolators and earth switches shall be motor operated. Earth switches shall be provided at various locations to facilitate maintenance. Isolator rated for 765kV, 400kV shall be of extended mechanical endurance class - M2 and suitable for bus transfer current switching duty as per IEC-62271-102. Main blades and earth blades shall be interlocked and interlock shall be fail safe type. 765kV and 400kV earth switches for line isolator shall be suitable for induced current switching duty as defined for Class-B.

B.2.4.3 Current Transformers (AIS)

Current Transformers shall comply with IEC 61869 in general. All ratios shall be obtained by secondary taps only. Generally, Current Transformers (CT) for 765kV & 400kV shall have six cores (four for protection and two for metering). The burden and knee point voltage shall be in accordance with the requirements of the system including possible feeds for telemetry. Accuracy class for protection core shall be PX and for metering core it shall be 0.2S. The rated burden of cores shall be closer to the maximum burden requirement of metering & protection system (not more than 20 VA for metering core) for better sensitivity and accuracy. The instrument security factor shall be less than 5 for CTs upto 400kV and less than 10 for CTs of 765kV voltage class.

B.2.4.4 Capacitive Voltage Transformers (AIS)

Capacitive Voltage transformers shall comply with IEC 61869 in general. These shall have three secondaries out of which two shall be used for protection and one for metering. Accuracy class for protection cores shall be 3P and for metering core shall be 0.2. The Capacitive voltage transformers on lines shall be suitable for Carrier Coupling. The Capacitance of CVT for 400kV shall be of 4400/8800 pF depending on PLCC requirements whereas the Capacitance of CVT for 765kV shall be 8800 pF. The rated burden of cores shall be closer to the maximum burden requirement of metering & protection system (not more than 50VA for metering core) for better sensitivity and accuracy.

B.2.4.5 Surge Arresters (AIS)

624kV & 336kV Station High (SH) duty gapless type Surge arresters with thermal energy (Wth) of minimum 13 kJ/kV & 12 kJ/kV conforming to IEC 60099-4 in general shall be provided for 800kV & 420kV systems respectively. Other characteristics of Surge arrester shall be chosen in accordance with system requirements. Surge arresters shall be provided near line entrances, Transformers & Reactor so as to achieve proper insulation coordination. Surge Arresters shall be provided with

porcelain/ polymer housing fitted with pressure relief devices. A leakage current monitor with surge counter shall be provided with each surge arrester.

B.2.5 Protection Relaying & Control System

The protective relaying system proposed to be provided for transmission lines, auto-transformers, reactors and bus bars to minimize the damage to the equipment in the events of faults and abnormal conditions, is dealt in this section. All main protective relays shall be numerical type with IEC 61850 communication interface and should have Interoperability during integration of numerical relays to communicate over IEC61850 protocol with RTU/SAS/IEDs of different OEMs All numerical relays shall have built in disturbance recording feature.

The protection circuits and relays of transformer and reactor shall be electrically and physically segregated into two groups each being independent and capable of providing uninterrupted protection even in the event of one of the protection groups failing, to obtain redundancy, and to take protection systems out for maintenance while the equipment remains in service.

a. Transmission Lines Protection

400kV shall have Main-I numerical three zone distance protection scheme with carrier aided inter-tripping feature. 400kV lines shall also have Main-II numerical distance protection scheme like Main-I but from different make that of Main-I. The Main-I and Main-II protection relays of same make may be provided only if they are of different hardware & manufacturing platform or different principle of operation.

However, Line Current Differential relay (with back up distance protection feature) as Main-I and Main-II shall be considered at both ends for short lines (line length below 30KM) having Fiber Optic communication link. Differential relay at remote end shall be provided by the TSP. Associated power & control cabling and integration with SAS at remote end shall be provided by respective bay owner.

In case of loop in loop out of transmission lines, the existing protection scheme shall be studied and suitable up-gradation (if required) shall be carried out.

Further, all 400kV lines shall be provided with single and three phase auto-reclosing facility to allow reclosing of circuit breakers in case of transient faults. These lines shall also be provided with distance to fault locators to identify the location of fault on transmission lines.

All 400kV lines shall also be provided with two stages over voltage protection. Over voltage protection & distance to fault locator may be provided as in-built feature of

Main-I & Main-II protection relays. Auto reclose as built-in function of Bay Control Unit (BCU) is also acceptable.

The Main-I and Main-II protection relays shall be fed from separate DC sources and shall be mounted in separate panels.

For 400kV transmission lines, directional IDMT earth fault relay should be provided as standalone unit or in-built feature of Main-I and Main -II feature.

b. Auto Transformer Protection

These shall have the following protections:

- i) Numerical Differential protection
- ii) Numerical Restricted earth fault protection
- iii) Numerical Back-up Over-current and earth fault protection on High Voltage (HV) & Intermediate Voltage (IV) side
- iv) Numerical Over fluxing protection on HV & IV side
- v) Numerical Overload alarm

Further, Numerical Back-up Over-current and earth fault protection on HV & IV side of autotransformer shall not be combined with other protective functions in the main relays and shall be independent relays. Besides these, power transformers shall also be provided with Buchholz relay, protection against high oil and winding temperature and pressure relief device etc.

Suitable monitoring, control (operation of associated circuit breaker & isolator) and protection for LT auxiliary transformer connected to tertiary winding of auto-transformer for the purpose of auxiliary supply shall be provided. The Over current and other necessary protection shall be provided for the auxiliary transformer. These protection and control may be provided as built in feature either in the bay controller to be provided for the auxiliary system or in the control & protection IEDs to be provided for autotransformer.

c. 765kV & 400kV Reactor Protection

Reactor shall be provided with the following protections:

- i) Numerical Differential protection.
- ii) Numerical Restricted earth fault protection
- iii) Numerical Back-up impedance protection

Besides these, reactors shall also be provided with Buchholz relay, MOG with low oil level alarm, protection against oil and winding temperatures & pressure relief device, etc.

d. Bus Bar Protection

The high-speed low impedance type bus bar differential protection, which is essential to minimize the damage and maintain system stability at the time of bus bar faults, shall be provided for 765kV and 400kV buses. Duplicated bus bar protection is envisaged for 765kV & 400kV bus-bar protection. Bus bar protection scheme shall be such that it operates selectively for each bus and incorporate necessary features required for ensuring security. The scheme shall have complete bus bar protection for present as well as future bays envisaged i.e. input / output modules for future bays shall also be provided.

Bus Bar protection system for new substation shall be de-centralized (distributed) type.

In case, the bus section is provided, then each side of bus section shall have separate set of bus bar protection schemes.

For existing substations, the existing bus bar protection shall be augmented as per requirement.

e. Local Breaker Back up Protection

This shall be provided for each 765kV and 400kV circuit breakers and will be connected to de-energize the affected stuck breaker from both sides.

Notes:

1. *LBB & REF relays shall be provided separately from transformer differential relay.*
2. *LBB relay may also be provided as built-in protection function of distributed bus bar protection scheme; however, in such case separate LBB relay shall be provided for tie bays (in case of One and Half breaker scheme).*
3. *Over fluxing & overload protection can be provided as built-in feature of differential relay.*
4. *In 765kV & 400kV switchyard, if spare bay of half diameter is identified as future, Tie CB relay panel shall be with Auto-reclosure feature.*

B.2.6 Substation Automation System

a) For all the new substations, state of art Substation Automation System (SAS) conforming to IEC-61850 shall be provided. The distributed architecture shall be used for Substation Automation system, where the controls shall be provided through Bay control units. The Bay control unit is to be provided bay wise for voltage level 400kV and above. All bay control units as well as protection units are normally connected through an Optical fiber high speed network. The control and

monitoring of circuit breaker, dis-connector, re-setting of relays etc. can be done from Human Machine Interface (HMI) from the control room.

The functions of control, annunciation, disturbance recording, event logging and measurement of electrical parameters shall be integrated in Substation Automation System.

At new substations, the Substation Automation System (SAS) shall be suitable for operation and monitoring of the complete substation including proposed future bays/elements.

In existing substations with Substation automation system (SAS), augmentation of existing SAS shall be done for bays under present scope.

In existing Substations where Substation automation is not provided, control functions shall be done through control panels.

Necessary gateway & modems (as required) shall be provided to send data to RLDC/SLDC as per their requirement. Any augmentation work at RLDC/SLDC is excluded from TSP's scope. However, all the configuration work at substation end required to send data to RLDC/SLDC shall be in the scope of TSP.

b) Time synchronization equipment

Time synchronization equipment complete in all respect including antenna, cable, processing equipment required to receive time signal through GPS or from National Physical Laboratory (NPL) through INSAT shall be provided at new substations. This equipment shall be used to synchronize SAS & IEDs etc.

B.2.7 Phasor Measurement Units (PMUs)

TSP shall supply, install & commission required no. of Phasor Measurement Units (PMUs) for all 400kV and above voltage line bays under the scope of work and PMUs shall support latest IEEE C-37.118 protocols. The supplied PMUs may be mounted in the C&R/SAS panels. These PMUs shall be provided with GPS clock and LAN switch and shall connect with LAN switch of control room with Fibre Optic cable which shall further be interfaced with the FOTE. These PMUs shall be integrated with the existing PDC (Phasor Data Concentrator) located at respective RLDC. Configuration work in existing PDC at RLDC for new PMU integration is not in scope of TSP (shall be done by respective RLDC), however all the necessary co-ordination and support in this regard shall be ensured by TSP.

In case of bay extensions work, TSP shall also provide separate WAMS (PMU, switches, interface cabling and other associated accessories) required for extended bays at existing s/s.

B.3.0 Substation Support facilities

Certain facilities required for operation & maintenance of substations as described below shall be provided at new substation. In existing substation, these facilities have already been provided and would be extended/ augmented as per requirement.

B.3.1 AC & DC power supplies

For catering the requirements of three phase & single-phase AC supply and DC supply for various substation equipment, the following arrangement is envisaged: -

- (i) For LT Supply at each new Substation, two (2) nos. of LT Transformers (minimum 800 kVA for substations with highest voltage rating as 765 kV) shall be provided out of which one shall be fed from two independent sources.

Metering arrangement with Special Energy Meters (SEMs) shall be provided by TSP at 33 kV tertiary of Transformer for drawing auxiliary supply at new substation. Such SEMs shall be provided by CTU at the cost of the TSP. Accounting of such energy drawn by the TSP shall be done by RLDC/RPC as part of Regional Energy Accounting.

Additionally, Active Energy Meters may be provided at the same point in the 33 kV tertiary of Transformer by local SEB/DISCOM for energy accounting.

- (ii) 2 sets of 220 V battery banks for control & protection and 2 sets of 48 V battery banks for PLCC/communication equipment shall be provided at each new Substation. Each battery bank shall have a float-cum-boost charger.

At new substation, sizing of 220 V battery and battery charger shall be done based on the number of bays specified (including future bays) as per CEA Regulations and relevant IS. 2 sets of 48 V battery banks for PLCC and communication equipment for present and future scope shall be provided at each new Substation with at least 10-hour battery backup and extended backup, if required.

- (iii) Suitable AC & DC distribution boards and associated LT Switchgear shall be provided at new substation.

For new substation, following switch boards shall be considered with duplicate supply with bus coupler/ sectionalizer and duplicate outgoing feeders except for Emergency lighting distribution board which shall have only one incoming feeder:

- (a) 415V Main Switch board – 1 no.
- (b) AC distribution board – 1 no.
- (c) Main lighting distribution board – 1 no.
- (d) Emergency lighting distribution board – 1 no.
- (e) 220 Volt DC distribution board – 2 nos.
- (f) 48 Volt DC distribution board – 2 nos.

Sizing of LT Switchgear shall be suitable to cater the requirement for all present and future bays. AC & DC distribution boards shall have modules for all the feeders (including future as specified).

- (iv) At new Substation, one no. of DG set (minimum 500 kVA for substations with highest voltage rating as 765kV) shall be provided for emergency applications.
- (v) For substation extensions, existing facilities shall be augmented as required.

B.3.2 Fire Fighting System

Fire-fighting system for substation including transformer & reactor shall conform to CEA (Measures Relating to Safety & Electric Supply) Regulations.

Further, adequate water hydrants and portable fire extinguishers shall be provided in the substations. The main header of firefighting system shall be suitable for extension to bays covered under the future scope; necessary piping interface in this regard shall be provided.

At existing substations, the fire-fighting systems as available shall be extended to meet the additional requirements.

B.3.3 Oil evacuating, filtering, testing & filling apparatus

To monitor the quality of oil for satisfactory performance of transformers, shunt reactors and for periodical maintenance necessary oil evacuating, filtering, testing and filling apparatus would be provided at new substations. Oil storage tanks of adequate capacities for storage of transformer oil would be provided.

B.3.4 Illumination

Normal & emergency AC & DC illumination shall be provided adequately in the control room & other buildings of the substation. The switchyard shall also be provided with adequate illumination.

Lighting of the entire control room building, fire-fighting pump house, other building (if any) and switchyard shall be done by LED based low power consumption luminaires.

B.3.5 Control Room

For new substation, substation control room shall be provided to house substation work stations for station level control (SAS) alongwith its peripheral and recording equipment, AC & DC distribution boards, DC batteries & associated battery chargers, Fire Protection panels, Telecommunication panels & other panels as per requirements. Air conditioning shall be provided in the building as functional requirements. Main cable trenches from the control room shall have adequate space provision for laying of cables from control room for all the future bays also.

At existing substations, the adequacy of size of control room shall be ascertained and the same shall be augmented as per requirement.

B.3.6 Control Concept

All the EHV circuit breakers in substation/switching stations shall be controlled and synchronized from the switchyard control room/remote control center. Each breaker would have two sets of trip circuits which would be connected to separate DC supplies for greater reliability. All the isolators shall have control from remote/local whereas the earth switches shall have local control only.

B.3.7 Visual monitoring system (VMS) for watch and ward of substation premises:

Visual monitoring system for effective watch and ward of substation premises shall cover all the transformers and reactors, all other major AIS Equipment (such as CB, isolators, CT, CVT, SA etc. as applicable), GIS bays, panel room, all the gates of switchyard and all entry and exit points of control room building and accordingly the location of cameras shall be decided. The camera shall be high definition color CCD camera with night vision feature. The VMS data partly/completely shall be recorded (minimum for 15 days) at least @25fps (or better) and stored on network

video recorder. The system shall use video signals from various cameras installed at different locations, process them for viewing on workstations/monitors in the control room and simultaneously record all the cameras.

Mouse/keyboard controllers shall be used for pan, tilt, zoom and other functions of the desired camera. The Visual Monitoring System shall have provision of WAN connectivity for remote monitoring.

All camera recordings shall have Camera ID & location/area of recording as well as date/time stamp. The equipment should generally conform to Electromagnetic compatibility requirement for outdoor equipment in EHV substation.

At existing substations, the visual monitoring system if available shall be augmented as per existing or better specification as required.

B.4 General Facilities

- a) Line Gantry/Towers are envisaged for bays under present scope only. However, for adjacent future line bay, tower shall be designed for extension (considering Quad conductors for 765 kV & 400 kV future lines) wherever applicable.
- b) Bay extension works at existing substation shall be executed by TSP in accordance with the requirement/provisions mentioned above. However, interface points shall be considered keeping in view the existing design/arrangement at the substation.
- c) TSP has to arrange for construction power and water on its own.
- d) All outdoor steel structures including anchor/foundation bolts shall be fully galvanized. The weight of the zinc coating shall be at least 610 gm/sq.m and 900 gm/sq.m for coastal/creek regions (if applicable).
- e) In 765kV & 400kV switchyard, if spare bay of half diameter is identified as future, all the equipment for Tie bay and Future bay shall be designed considering the current rating of line bay i.e. 3150A.
- f) Boundary wall shall be brick masonry wall with RCC frame or Stone masonry wall or Precast RCC wall under present scope along the property line of complete substation area including future switchyard area to prevent encroachment and unauthorized access. Minimum height of the boundary wall shall be of 1.8 m from finished ground level (FGL) as per CEA Measures Relating to Safety and Electric Supply Regulations.
- g) In Neemrana-II s/s, all electrical equipment shall be installed above Highest Flood Level (HFL) and where such equipment is not possible to be installed

above HFL, it shall be ensured that there is no seepage or leakage or logging of water. In Kotputli s/s level shall be matched with level of existing bays.

B.5 EXTENSION OF EXISTING SUBSTATION

The following drawings/details of existing substation is attached with the RFP documents for further engineering by the bidder.

Sl. No.	Drawing Title	Drawing No./Details	Rev. No.
A.	Neemrana-II S/s		
1.0	Single Line Diagram	Developer yet to be finalized by BPC. The finalization of drawings is in the scope of developer. The same may be availed from the developer on finalization.	
2.0	General Arrangement		
3.0	Earthmat Layout		
4.0	Visual Monitoring System		
5.0	Bus Bar Protection		
6.0	Substation Automation System (SAS)		
B.	Kotputli S/s		
1.0	Single Line Diagram		
2.0	General Arrangement		
3.0	Earthmat Layout		
4.0	Visual Monitoring System	Nicevision	
5.0	Bus Bar Protection	Make: GE Model: P741	
6.0	Substation Automation System (SAS)	Make: GE Model: DS AGILE	

Bidder is also advised to visit the substation sites and acquaint themselves with the topography, infrastructure such as requirement of roads, cable trench, drainage etc. and also the design philosophy.

Annexure- D**SPECIFIC TECHNICAL REQUIREMENTS FOR COMMUNICATION**

The communication requirement shall be in accordance to CEA (Technical Standards for Communication System in Power System Operations) Regulations, 2020, CERC (Communication System for inter-State transmission of electricity) Regulations, 2017, and CEA (Cyber Security in Power Sector) Guidelines, 2021, all above documents as amended from time to time.

The protections for transmission line and the line compensating equipment shall have hundred percent back up communication channels i.e. two channels for tele-protection in addition to one channel for speech plus data for each direction.

In order to meet the requirement for grid management and operation of substations, Transmission Service Provider (TSP) shall provide the following:

C.1.0 Neemrana-II – Kotputli 400 kV D/c line

On Neemrana-II – Kotputli 400 kV D/c line, TSP shall supply, install & commission One (1) no. OPGW cable containing 24 Fibres (24F) on one E/W peak and conventional earth wire on other E/W peak.

The TSP shall install this OPGW from gantry of Neemrana-II up to the gantry of Kotputli S/s with all associated hardware including Vibration Dampers, mid-way & gantry Joint Boxes (called OPGW Hardware hereafter) and finally terminate in Joint Boxes at end Substations. The transmission line length is 70 kms (approx.) where repeater is not required to meet link budget requirement of Neemrana-II – Kotputli link.

**C.2.0 LILO of both circuits of 400kV Gurgaon (PG)- Sohna Road (GPTL) D/c line at
Neemrana-II S/s**

On LILO of both circuits of 400kV Gurgaon (PG) - Sohna Road (GPTL) D/c line at Neemrana-II S/s, TSP to supply, install & commission OPGW and earthwire as per Tower Configurations:

- (i) For Multi Circuit Tower Configuration: Two (2) no. OPGW cable containing 24 Fibres (24F) on both the Earthwire peaks
- (ii) For Double Circuit Tower configuration (for both Loop In and Loop Out portion): One (1) no. OPGW cable containing 24 Fibres (24F) to be installed on one earthwire peak & conventional earthwire on other earthwire peak for both Loop In and Loop Out Lines.

The TSP shall install OPGW cables from Gantry of Neemrana-II S/s up to the LILO tower with all associated hardware including Vibration Dampers, LILO Tower, mid-way &

gantry Joint Boxes (called **OPGW Hardware** hereafter) and finally terminate in Joint Boxes at Neemrana-II S/s. The transmission line length of LILO portion is 85 kms (approx.), if after survey repeater required to meet the link budget requirement of Neemrana-II – Gurgaon (PG) & Neemrana-II – Sohna Road (GPTL) link the same shall be provided by TSP.

TSP shall finalize the location of repeater station depending upon the actual site conditions. Further TSP shall comply to the requirements mentioned as per **Appendix-D.1**.

Maintenance of OPGW Cable and **OPGW Hardware** shall be responsibility of TSP.

C.3.0 Establishment of 765/400 kV Neemrana-II S/s

- (i) TSP shall supply, install & commission 2 no. FODP (96 F) alongwith panel and approach Cable (24F each) with all associated hardware fittings from gantry tower to Control Room for all the incoming lines envisaged under the present scope.
- (ii) TSP shall supply, install & commission One or more STM-16 (FOTE) equipment alongwith panel/s supporting minimum Eight (8) directions with MSP (Multiplex Section Protection – 1+1). These directions shall exclude protected (1+1) local patching among equipment (if any) at Neemrana-II S/s with suitable DC Power Supply & necessary interfaces to meet the voice and data communication requirement among Gurgaon (PG), Sohna Road (GPTL), Kotputli , local pathing for FOTE at Bay Kisok for Bikaner-III (1st), Bikaner-III (2nd) & Bareilly (PG) lines and two no. spare ports . TSP to also provide suitable optical interfaces/equipment at Gurgaon (PG), Sohna Road (GPTL) Substations FOTE to meet link budget requirement for connectivity with Neemrana-II Station. The suitable DC Power Supply and backup to be provided for communication equipment.
- (iii) FODP & FOTE equipment with panels shall be provided in Control Room of Neemrana-II S/s. FOTE & FODP Eq can be accommodated in same panel to optimize space.
- (iv) The new communication equipment under the present scope shall be compatible for integration with existing regional level centralized NMS. The local configuration of the new communication equipment shall be the responsibility of TSP. The configuration work in the existing centralized NMS for integration of new Communication equipment shall be done by Regional ULDC Team, however all the necessary support in this regard shall be ensured by TSP.
- (v) TSP shall supply, install & commission Firewall in redundant mode (1+1) in line with the specification attached at **Annexure D.2**.

- (vi) The maintenance of all the communication equipment including FOTE, FODP, approach cable, Repeater Station, DCPS alongwith Battery Bank & Firewall shall be the responsibility of TSP.

C.4.0 2 no. of 400 kV line bays at Kotputli for Neemrana-II- Kotputli 400kVD/c line

- (i) TSP shall supply, install & commission 1 no. FODP (96 F) alongwith panel and required Approach Cable (24F) with all associated hardware fittings from gantry tower to Bay Kiosk and from the Bay Kiosk to Control room.
- (ii) TSP shall supply, install & commission One STM-16 (FOTE) equipment alongwith panel/s supporting minimum three (3) directions with MSP (Multiplex Section Protection – 1+1) with necessary interfaces to meet the voice and data communication requirement between Kotputli, Neemrana-II S/s. The suitable DC Power Supply and backup to be provided for communication equipment.
- (iii) FOTE/FODP panel shall be installed in the new Bay Kiosk (Switchyard Panel Room (SPR)). The FOTE under present scope shall be integrated by TSP with the existing FOTE at control room of Kotputli S/s which shall be communicating with respective control center. TSP to provide necessary FODP sub rack / Splice trays/ Patch cords etc. and optical interfaces/equipment in the existing FOTE/FODP panels in control room for integration with the existing FOTE for onwards data transmission.

In case spare optical direction is not available in the existing FOTE at the control room, the TSP shall coordinate with station owner to reconfigure the directions in existing FOTE at control room. Alternatively, The TSP may integrate the FOTE under the present scope with existing FOTE in the nearby Kiosk connected to the control room FOTE (if available with spare direction). For this purpose, TSP shall provide necessary FODP sub rack / Splice trays/ Patch cords etc. and suitable optical interfaces/ equipment in the existing FOTE/FODP panels in another Kiosk (SPR).

- (iv) FOTE & FODP can be accommodated in same panel to optimize space.
- (v) The new communication equipment under the present scope shall be compatible for integration with existing regional level centralized NMS. The local configuration of the new communication equipment shall be the responsibility of TSP. The configuration work in the existing centralized NMS for integration of new Communication equipment shall be done by Regional ULDC Team, however all the necessary support in this regard shall be ensured by TSP.

The maintenance of all the communication equipment including FOTE, FODP, approach cable, DCPS alongwith Battery Bank shall be the responsibility of TSP.

Appendix-D.1

Repeater Requirements

- If the repeater location is finalized in the Control Room of a nearby substation, TSP shall provide 1 no. OPGW (48F) on a single Earthwire peak with OPGW Hardware & mid-way Joint Boxes etc. of the line crossing the main line and 1 no. Approach Cable (48F) with all associated hardware fittings, to establish connectivity between crossing point of main transmission line up to the repeater equipment in substation control room.

TSP shall co-ordinate for Space & DC power supply sharing for repeater equipment. TSP shall provide FODP, FOTE (with STM-16 capacity) with suitable interfaces require for link budget of respective link.

OR

- If the repeater location is finalized in the nearby substation premises, the TSP shall identify the Space for repeater shelter in consultation with station owner. Further TSP shall provide 1 no. OPGW (48F) on a single Earthwire peak with OPGW Hardware & mid-way Joint Boxes etc. of the line crossing the main line and 1 no. Approach Cable (48F) / UGFO (48F) with all associated hardware fittings, to establish connectivity between crossing point of main transmission line up to the substation where the repeater shelter is to be housed.

TSP shall provide repeater shelter along with FODP, FOTE (with STM-16 capacity) with suitable interfaces require for link budget of respective link, reliable power supply provisioning for AC and DC supply, battery bank, Air Conditioner and other associated systems.

OR

- If the repeater location is finalized on land near the transmission tower. TSP shall make the provisions for Land at nearby tower for repeater shelter. Further TSP shall provide 1 no. Approach Cable (48F) / UGFO (48F) with all associated hardware fittings to establish connectivity up to the location of repeater shelter.

TSP shall provide repeater shelter along with FODP, FOTE (with STM-16 capacity) with suitable interfaces require for link budget of respective link, reliable power supply provisioning for AC and DC supply, battery bank, Air Conditioner and other associated systems

Maintenance of OPGW Cable and **OPGW Hardware**, repeater equipment & items associated with repeater shelter shall be responsibility of TSP.

Note: Existing Station owner/s to provide necessary support to integrate different equipment & applications of new extended bays with the existing substation e.g. Communication (through FOTE), Voice etc. for smooth operation and monitoring of new added grid elements.

Proposed Communication for Transmission system for evacuation of power from
Rajasthan REZ Ph-IV (Part-1), Part-B

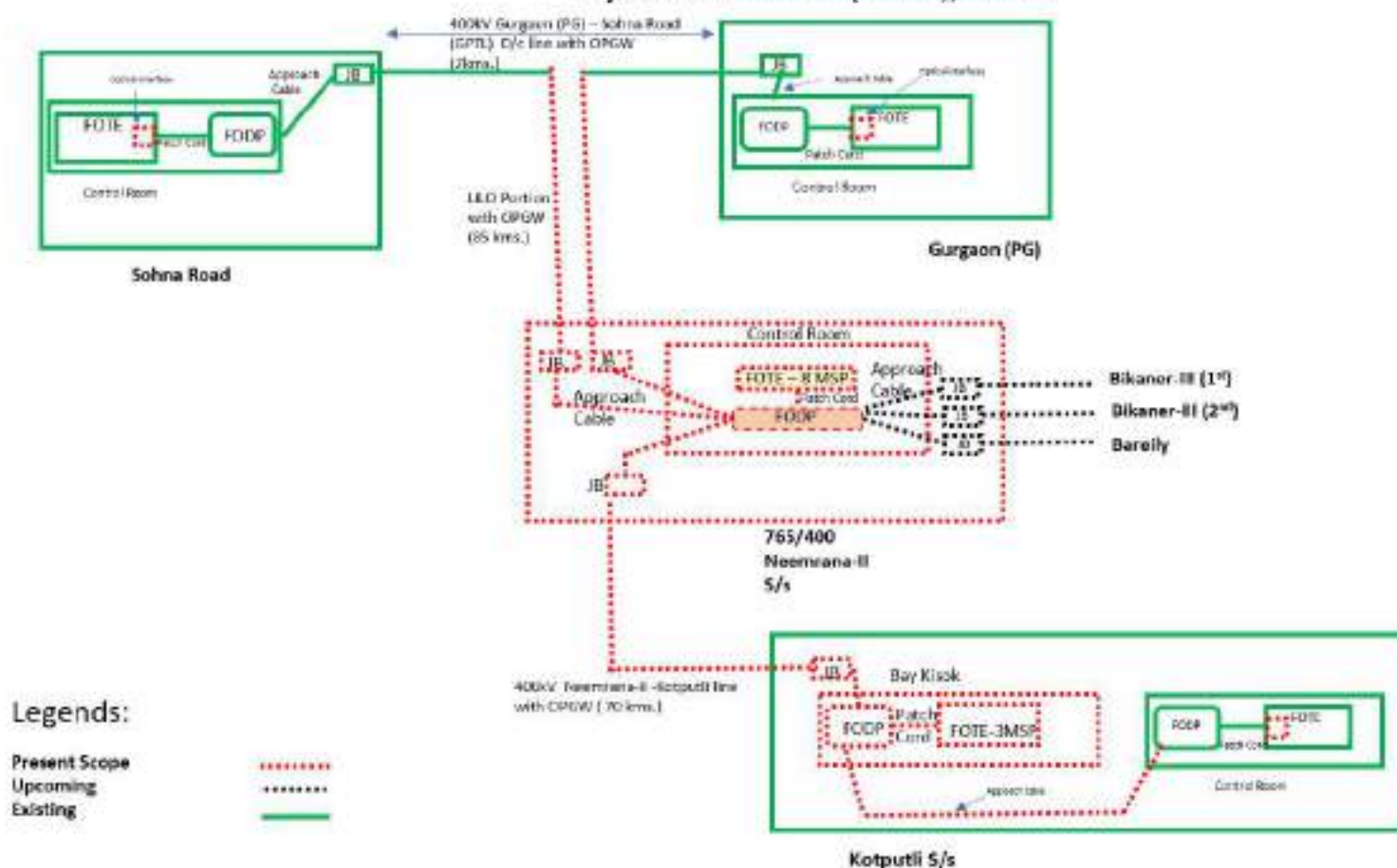


Figure F.1

Annexure-D.2**Next Generation Firewall (NGFW)**

TSP shall provide 2 NGFW one in Main & another in Standby mode having electrical ethernet interfaces/ports and placed between FOTE & SAS gateway/s at the substation. All ethernet based applications shall be terminated in the firewall ports directly (e.g. PMU, AMR, VOIP, SAS/SCADA etc.). Each port of firewall shall work as a separate zone. Firewall shall be hardware based with features of Block/Allow/drop and IPSec VPN (network encryption).

The number of ports/interfaces in each firewall (i.e. Main & Standby) shall be minimum 16 nos. TSP shall provide either single firewall or multiple firewalls to meet this interfaces requirement, each for main as well as standby firewall. Minimum throughput of firewall shall be 300 Mbps.

The Firewall shall be managed/ configured as standalone at present and shall also have compatibility to manage/configure through Centralized Management Console (CMC) remotely in future.

Firewall shall be tested and certified for ISO15408 Common Criteria for least EAL4+. Further, the OEM must certify that it conforms to Secure Product Development Life Cycle requirements as per IEC62443-4-1. The firewall shall generate reports for NERC-CIP Compliance.

The specifications for the firewalls are given at **Annexure-D.3** and schematic diagram showing firewall placement given at **Figure F.3**.

Annexure-D.3**Specifications of Next Generation Firewall (NGFW)**

1. NGFW shall have following features including but not limited to:
Encryption through IPsec VPN (Virtual Private Network), Deep Packet Inspection (DPI), Denial of service (DoS) & Distributed Denial of Service (DDoS) prevention, Port Block/ Allow, rules/ policies for block/allow, IP (Internet Protocol) & Media Access Control (MAC) spoofing protection, threat detection, Intrusion Prevention System (IPS), Anti-Virus, Anti-Spyware, Man In The Middle (MITM) attack prevention.
2. The proposed firewall shall be able to handle (alert, block or allow) unknown /unidentified applications e.g. unknown TCP & UDP packets. It shall have the provision to define application control list based on application group and/or list.
3. Firewall shall have feature and also have capability to update the definition/ Signatures of Anti-Virus online as well as offline. Firewall shall also be compatible to update the definitions/signatures through CMC. There shall be a defined process for security patching and firmware up-gradation. There shall be a feature to field validate firmware checksum. The same shall also be validated before using the OEM provided file/binary in the process of firmware up-gradation and security patching
4. Firewall shall have Management Console port to configure remotely.
5. Firewall shall be EMI/EMC compliant in Substation environment as per IEC 61850-3.
6. Firewall shall be rack mounted in existing standard equipment cabinets.
7. Firewall shall have support of SCADA applications (IEC-60870-5-104), IEC, PMU (IEEE C37.118), Sub-Station Automation System (IEC 61850), Ethernet and other substation environment protocols.
8. Client based Encryption/ VPN must support different Operating System platforms e.g. Windows, Linux & Mac.
9. The solution must have content and comprehensive file detection policies, blocking the files as function of their types, protocols and directions.
10. Firewall shall have logging facility as per standard logs/events format. Firewall shall have features to export the generated/stored logs/events in csv (Comma Separated Value) and also any other standard formats for offline usage, analysis and compliance. Firewall shall have suitable memory architecture and solution to store

and be able to export all logs/events for a period of last 90 days at any given time.

11. Firewall shall have features and be compatible with local as well as central authentication system (RADIUS, LDAP, or TACACS+) for user account and access right management. It shall also have Role Based User management feature.
12. Firewall shall have the capability to configure sufficient number of VLANs.
13. Firewall shall have the capability to support sufficient number of sessions.
14. Firewall shall have provision to configure multiple IP Sec VPNs, at least 100 nos., (one-to-many or many-to-one). Shall support redundant operation with a similar router after creation of all the IP Sec VPN. IPSec VPN shall support encryption protocols as AES128, AES256 and hashing algorithms as MD5 and SHA1. IPSec VPN throughput shall support at least 300 Mbps
15. Firewall shall be capable of SNMP v3 for monitoring from Network Management system. It shall also have SNMPv3 encrypted authentication and access security
16. Firewall shall support in Active/Passive or Active-Active mode with High Availability features like load balancing, failover for firewall and IPsec VPN without losing the session connectivity.
17. Firewall should have integrated traffic shaping (bandwidth, allocation, prioritisation, etc.) functionality
18. Shall support simultaneous operation with both IPv4 and IPv6 traffic
19. Firewall shall be compatible with SNTP/NTP or any other standards for clock synchronization
20. Firewall shall have the features of port as well as MAC based security
21. Firewall shall support exporting of logs to a centralized log management system (e.g. syslog) for security event and information management.
22. Firewall time shall be kept synchronised to official Indian Timekeeping agency, time.nplindia.org.
23. Firewall product shall be provided with all applicable updates at least until 36 months since the applicable date of product shipping to the concerned utility.

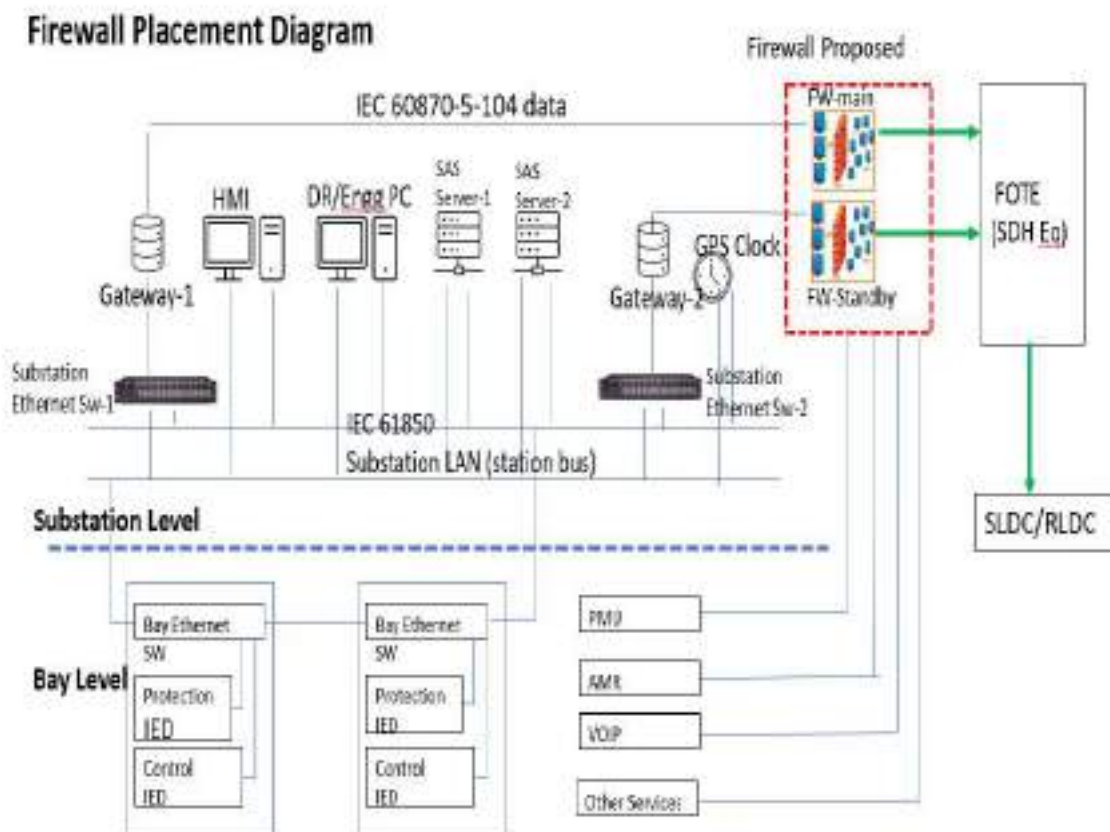


Figure F.3

C.5.0 PLCC & PABX:

Power line carrier communication (PLCC) equipment complete for speech, tele-protection commands and data channels shall be provided on each transmission line. The PLCC equipment shall in brief include the following: -

- Coupling device, line traps, carrier terminals, protection couplers, HF cables, PABX (if applicable) and maintenance and testing instruments.
- At new substation, a telephone exchange (PABX) of 24 lines shall be provided at as means of effective communication among various buildings of the substation, remote end substations and with control centers (RLDC/SLDC) etc.
- Coupling devices shall be suitable for phase to phase coupling for 765kV & 400kV Transmission lines. The pass band of coupling devices shall have sufficient margin for adding communication channel in future if required. Necessary protection devices for safety of personnel and low voltage part against power frequency voltages and transient over voltage shall also be provided.
- The line traps shall be broad band tuned suitable for blocking the complete range

of carrier frequencies. Line Trap shall have necessary protective devices such as lightning arresters for the protection of tuning device. Decoupling network consisting of line traps and coupling capacitors may also be required at certain substation in case of extreme frequency congestion.

- The carrier terminals shall be of single side-band (SSB) amplitude modulation (AM) type and shall have 4 kHz band width. PLCC Carrier terminals and Protection couplers shall be considered for both ends of the line.
- PLCC equipment for all the transmission lines covered under the scheme (consisting of one set of analog PLCC channel along with circuit protection coupler and one set of Digital protection coupler for both ends) shall be provided by TSP. CVT & Wave trap for all the line bays under present scope shall be provided by TSP.
- TSP shall provide/ undertake necessary addition/ modification/ shifting/ re-commissioning etc. of PLCC equipment due to LILO of transmission lines (wherever applicable).
- All other associated equipment like cabling, coupling device and HF cable shall also be provided by the TSP.
- 2 sets of 48V battery banks for PLCC and communication equipment shall be provided at each new Substation with at least 10 hours battery backup and extended backup, if required.

Frequently Asked Queries:

1.0 Transmission Line:

- 1.1 Please clarify that whether shutdowns for crossing of existing transmission lines of POWERGRID/STUs/ Power Evacuation Lines from Generation Plants/ Any other Transmission Licensee will be given to TSP on chargeable basis or free of cost.

Reply: Shutdowns for crossing of existing transmission lines of POWERGRID/ STUs/ Power Evacuation Lines from Generation Plants/ Any other Transmission Licensee will be given to TSP by the concerned owner of the lines as per their own terms & conditions. As far as shutdown of ISTS lines are concerned the same can be availed by approaching respective Regional Power Committee.

- 1.2 We understand that the suggested swing angle criteria are applicable for Suspension Insulator in Suspension Tower. Further, you are requested to provide similar swing angle and clearance criteria for Pilot Insulator with Jumper & Jumper.

Reply: It is clarified that the swing angle criteria (as mentioned in RFP) for transmission lines is applicable for Suspension Insulator in Suspension Tower. Further, as per Clause 3.0 of Specific Technical Requirements for transmission lines, Transmission service Provider (TSP) shall adopt any additional loading/design criteria for ensuring reliability of the line, if so desired and /or deemed necessary.

- 1.3 We request you to kindly allow that use of diamond configuration at Power line crossings and the existing owner of the lines may be directed to allow the same for the successful bidders.

Reply: Power line crossing including Diamond configuration is responsibility of the TSP. TSP shall formally submit the profile of the crossing section to the owner of the existing line suggesting proposed crossing alternatives. The crossing will have to be carried out as per approval of owner of the existing line.

- 1.4 It is requested you to kindly provide present status of Forest Clearances if any transmission line corridor area falling in wildlife forest / reserve forest/ mangroves.

Reply: Based on the preliminary route survey, the process of initiation of forest clearance for the forest stretches, if any, enroute the proposed line alignment will be initiated by way of writing letters to the concerned authority (ies). However, it may be noted that it will be the responsibility

of TSP for obtaining forest clearance for the forest stretches as provided in the survey report and also for any forest area encountered during detailed survey.

2.0 Substation

- 2.1 We understand that space for storage of O&M spare shall be provided by existing owner within the station boundary without any cost. Kindly confirm.

Reply: Space for storage of O&M spares shall be arranged by TSP on its own.

- 2.2 We presume that the O&M for the end Termination bays will be in the scope of the TSP and TSP shall not be liable for any payment towards O&M to the existing owner of the substation. Kindly confirm.

Reply: Operation and maintenance of the bays is solely responsibility of the TSP.

- 2.3 With reference to subject scheme of existing sub-station, we assumed following scope of work:

- (a) We assumed internal road is available and need not to consider in the present scope of work.
- (b) Drainage is available and need not to consider in the present scope of work.
- (c) Cable trench extension in adjacent to Main cable trench only under present scope of work.
- (d) Levelled area being provided by developer for bay extension.

Reply: Regarding requirement of internal road, drainage, cable trench, leveling of the bay extension area, bidder is advised to visit site and acquaint themselves with the provisions/facilities available at substation.

- 2.4 Kindly provide the soil investigation report of soil parameters of existing substation.

Reply: Bidder is advised to visit the substation site and ascertain the requisite parameters.

- 2.5 Kindly confirm, energy accounting of aux. power consumption. Whether it will be on chargeable basis or part of transmission loss.

Reply: It will be on chargeable basis.

- 2.6 We understand that VMS requirement is for unmanned stations only. For

Manned stations VMS is not compulsory.

Reply: VMS shall be provided in line with requirements of RfP document.

- 2.7 It is understood that Construction water and power shall be provided free of cost to TSP by respective substation owner for construction of new bays.

Reply: Arrangement of construction power & water is in the scope of TSP.

- 2.8 It is understood that existing fire hydrant system shall be extended by the TSP for bay extension.

Reply: Existing fire hydrant system shall be extended from existing system (if required)

- 2.9 Please clarify that Status of land acquisition for Substations. Whether the lands have been acquired by BPC and will be transferred to TSP.

Reply: The acquisition of land for substation is in the scope of TSP.

- 2.10 We understood that no any dedicated metering CT & CVT required for Line/feeders. Further, we understood that requisite Energy meters for various 765kV, 400kV & 220kV Feeders shall be provided & installed by CTU free of cost to TSP.

Reply: Dedicated metering CT and CVT are not required for line/feeders. Metering core of existing CT/CVT can be used provided accuracy class is matching with metering requirement. Requisite Special Energy Meters shall be provided and installed by CTU at the cost of TSP in C&P panel subject to space availability, else, in separate metering panel (to be provided by TSP at its cost).

3.0 Communication

- 3.1 What are the usage of OPGW, FOTE, PMU etc. under communication requirement of RFP?

Reply: User shall be responsible for providing compatible equipment along with appropriate interface for uninterrupted communication with the concerned control center and shall be responsible for successful integration with the communication system provided by CTU. Communication systems e.g. OPGW, FOTE, PMU etc. are required for grid operation through RLDC/SLDC, speech communication, tele-protection and tele-metering.

- 3.2 Is space for installation of communication panels are provided to TSP in existing Substations incase new bays are in the scope of TSP?

Reply: The space related issues are deliberated in the RFP itself. TSP to carry out survey of the existing substation for physical space requirement. In case space is not available in the existing substation then TSP shall accommodate the same in the respective bay SPR (Switchyard Panel Room)/Bay Kiosk/ Relay panel room in case of GIS s/s. Further, TSP to connect and integrate the proposed FOTE with the existing FOTE in the control room.

In Case 132kV Substation TSP shall accommodate the said panels either by extension of existing control room or other arrangements.

- 3.3 How is the OPGW laying done in case of LILO lines?

Reply: In case LILO lines are on same towers (e.g. both Line in and Line Out portion are on same towers, generally done LILO of S/C lines). Then 2x24F OPGW shall be required to install by TSP on both earthwire peak on 400kV & 765kV lines where two E/W peaks are available. On 220 & 132kV lines where only one E/W peak is available TSP to install one no. 48F OPGW.

Incase LILO lines are on different towers (e.g. both Line In and Line Out portion are on different towers, generally done LILO of D/C lines). Then 1x24F OPGW shall be required to install by TSP on one earthwire peak, on both Line In and Line Out portions of 400kV & 765kV lines. On 220 & 132kV lines where only one E/W peak is available TSP to install one no. 24F OPGW in place of conventional earthwire.










- 3.4 How is the OPGW laying done in case Multi circuit Towers?

Reply: In case two different lines are using common multi circuit portion for some distance (originating from different stations, may be terminating on same or on different stations). Two no. 24F OPGW to be installed on both E/W peaks for common M/C portion of 765kV & 400kV lines.












Incase 220/132kV lines using multi circuit portion where single E/W peak is available one no. 48F may be installed for common multi circuit portion.

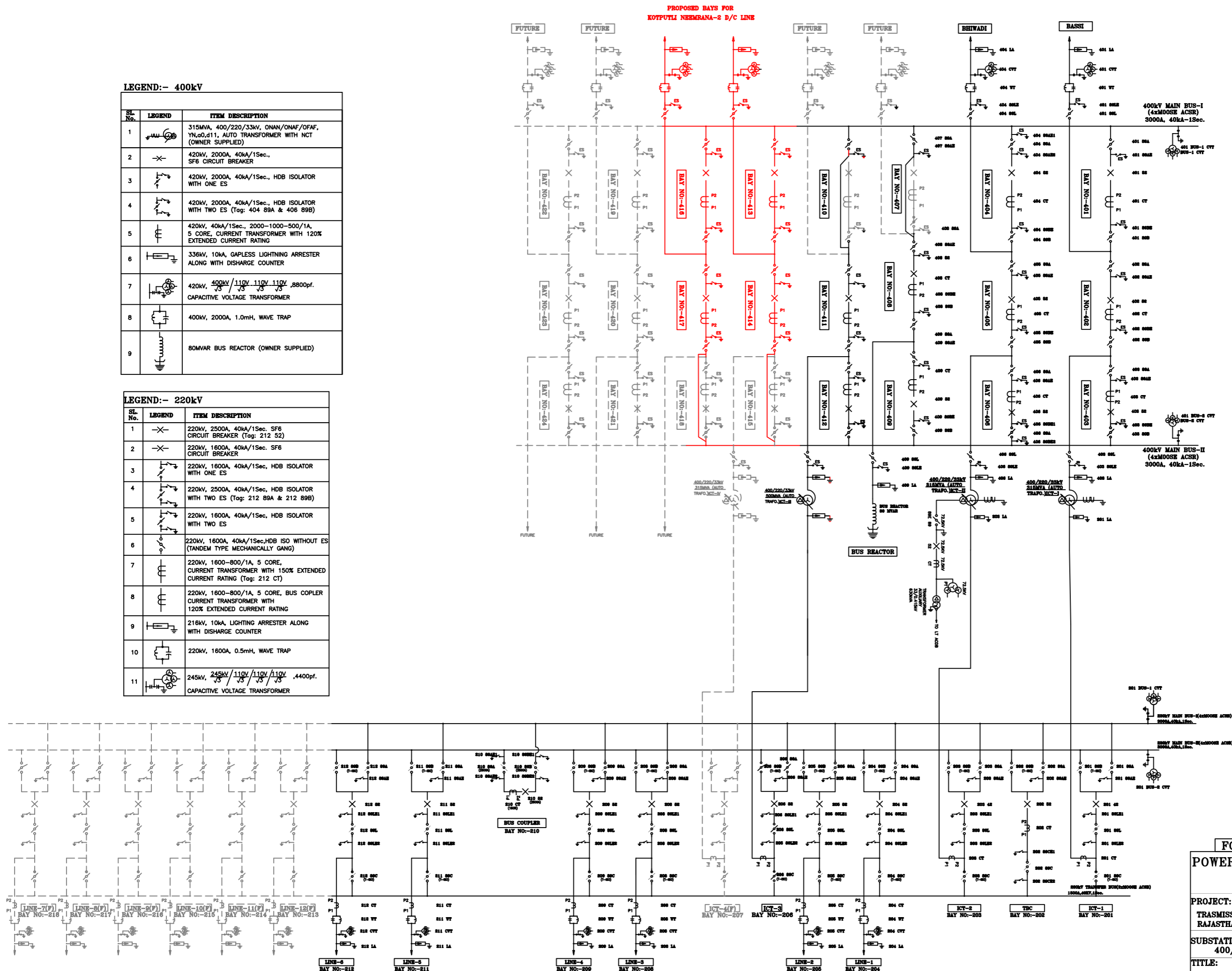


LEGEND:- 400kV

SL. No.	LEGEND	ITEM DESCRIPTION
1		315MVA, 400/220/33kV, ONAN/ONAF/OFAF, YN, d0, 11, AUTO TRANSFORMER WITH NCT (OWNER SUPPLIED)
2		420kV, 2000A, 40kA/1Sec., SF6 CIRCUIT BREAKER
3		420kV, 2000A, 40kA/1Sec., HDB ISOLATOR WITH ONE ES
4		420kV, 2000A, 40kA/1Sec., HDB ISOLATOR WITH TWO ES (Tag: 404 89A & 406 89B)
5		420kV, 40kA/1Sec., 2000-1000-500/1A, 5 CORE, CURRENT TRANSFORMER WITH 120% EXTENDED CURRENT RATING
6		336kV, 10kA, GAPLESS LIGHTNING ARRESTER ALONG WITH DISCHARGE COUNTER
7		420kV, $\frac{400kV}{\sqrt{3}} / \frac{110V}{\sqrt{3}} \frac{110V}{\sqrt{3}}$, 8800pf. CAPACITIVE VOLTAGE TRANSFORMER
8		400kV, 2000A, 1.0mH, WAVE TRAP
9		80MVAR BUS REACTOR (OWNER SUPPLIED)

LEGEND:- 220kV

SL. No.	LEGEND	ITEM DESCRIPTION
1		220kV, 2500A, 40kA/1Sec. SF6 CIRCUIT BREAKER (Tag: 212 S2)
2		220kV, 1600A, 40kA/1Sec. SF6 CIRCUIT BREAKER
3		220kV, 1600A, 40kA/1Sec, HDB ISOLATOR WITH ONE ES
4		220kV, 2500A, 40kA/1Sec, HDB ISOLATOR WITH TWO ES (Tag: 212 89A & 212 89B)
5		220kV, 1600A, 40kA/1Sec, HDB ISOLATOR WITH TWO ES
6		220kV, 1600A, 40kA/1Sec, HDB ISO WITHOUT E (TANDEM TYPE MECHANICALLY GANG)
7		220kV, 1600-800/1A, 5 CORE, CURRENT TRANSFORMER WITH 150% EXTENDED CURRENT RATING (Tag: 212 CT)
8		220kV, 1600-800/1A, 5 CORE, BUS COPLER CURRENT TRANSFORMER WITH 120% EXTENDED CURRENT RATING
9		216kV, 10kA, LIGHTING ARRESTER ALONG WITH DISCHARGE COUNTER
10		220kV, 1600A, 0.5mH, WAVE TRAP
11		245kV, $\frac{245kV}{\sqrt{3}}$ / $\frac{110V}{\sqrt{3}}$ / $\frac{110V}{\sqrt{3}}$ / $\frac{110V}{\sqrt{3}}$.4400pf. CAPACITIVE VOLTAGE TRANSFORMER



LEGEND:-

} PRESENT SCOPE OF WORK

— EXISTING SCOPE

FUTURE

FOR TENDER PURPOSE

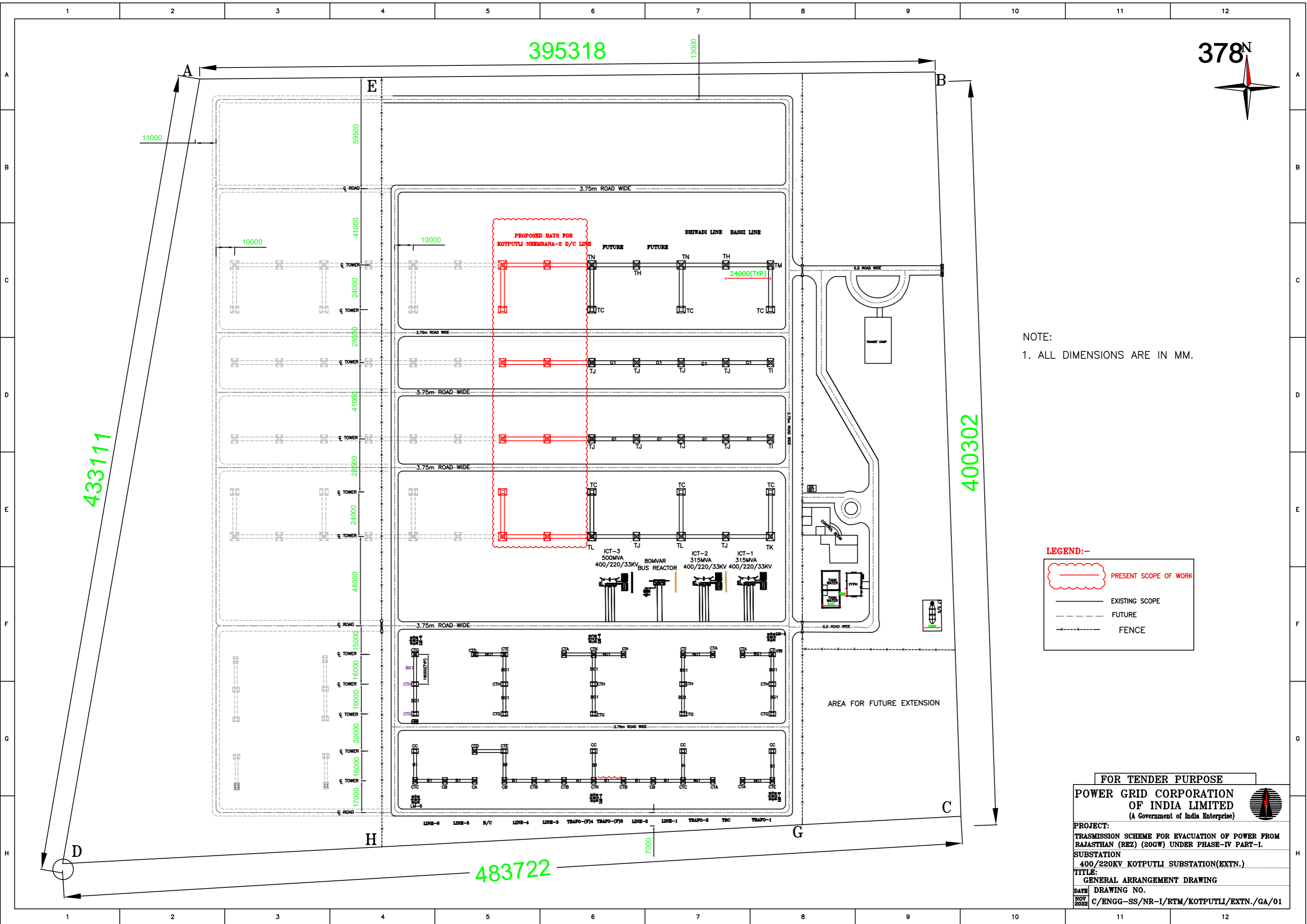
**POWER GRID CORPORATION
OF INDIA LIMITED**
(A Government of India Enterprise)

PROJECT:
TRANSMISSION SCHEME FOR EVACUATION OF POWER FROM
RAJASTHAN (REZ) (20GW) UNDER PHASE-IV PART-I.

SUBSTATION
400/220KV KOTPUTLI SUBSTATION(EXTN.)

TITLE:	SINGLE LINE DIAGRAM
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DATE	DRAWING NO.
DEC 2022	C/ENGG-SS/NR-I/RTM/KOTPUTLI/EXTN./SLD/01



NOTE:
1. ALL DIMENSIONS ARE IN MM.

LEGEND:-

- (Red dashed line) — PRESENT SCOPE OF WORK
- (Solid line) — EXISTING SCOPE
- ... (Dotted line) ... FUTURE
- - - - - (Dashed line) - - - - - FENCE

FOR TENDER PURPOSE

POWER GRID CORPORATION OF INDIA LIMITED
(A Government of India Enterprise)

PROJECT:
TRANSMISSION SCHEME FOR EVACUATION OF POWER FROM RAJASTHAN (REZ) (20GW) UNDER PHASE-IV PART-I.

SUBSTATION
400/220KV KOTPUTLI SUBSTATION(EXTN.)

TITLE:
GENERAL ARRANGEMENT DRAWING

DRAWING NO.
C/ENGG-SS/NR-1/RTM/KOTPUTLI/EXTN./GA/01

DATE
NOV 2022

PFC CONSULTING LIMITED
(A wholly owned subsidiary of PFC Ltd.)

March 13, 2023

Subject: Notice for postponement of pre-bid meeting for Independent Transmission Project "Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex)- Part-B".

This is with reference to issuance of RfP documents vide notification dated February 15, 2023 for the subject ITP. In this regard, the pre-bid meeting for the subject ITP which is scheduled to be held on March 14, 2023 has been postponed till further notice.

Bidders are requested to regularly visit our website for further notice.

PFC Consulting Limited

From: Project In-charge, ITP <pfcl.itp@pfclindia.com>
Sent: 19 April 2023 19:07
Cc: Sanjay Nayak; Bibhuti Giri; Deepak Kumar; dheerajmandal.pfcl@gmail.com
Subject: Tentative location of Proposed 765/400 kV Neemrana-II Substation

[EXTERNAL EMAIL] Do not click links or attachments unless you recognize the sender and know the content is safe.

Dear Sir,

This has reference to the RFP dated 15.02.2023 for selection of Transmission Service Provider to establish Transmission System for "Transmission system for evacuation of power from Rajasthan REZ PhIV (Part-1) (Bikaner Complex) - Part-B" through Tariff Based Competitive Bidding process.

In this regard, the tentative location of Proposed 765/400 kV Neemrana-II Substation at Village Budhwal, District Mahendragarh (Haryana) as given below:-

Village: Budhwal, District: Mahendragarh, State: Haryana			
	Latitude	Longitude	Remarks
Corner-1	27°49' 52.31"N	76°9' 29.88"E	The substation shall not be beyond 3 km radius of the proposed location.
Corner-2	27°49' 34.89"N	76°9' 48.38"E	
Corner-3	27°49' 31.58"N	76°9' 8.37"E	
Corner-4	27°49' 16.25"N	76°9' 27.45"E	

This is for kind information and necessary action.

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Regards,
PFC Consulting Limited,
New Delhi

जब तक अत्यंत आवश्यक न हो कृपया इस ई-मेल को प्रिंट न करें ।

इस इलेक्ट्रॉनिक संदेश में समाहित सूचना तथा संलग्नक केवल प्रेषिती के उपयोग के लिए हैं तथा उनके लिए प्रॉपराइटरी, गोपनीय अथवा विशेषाधिकृत सूचना हो सकती है। यदि आप वह व्यक्ति नहीं हैं, तो आप इस ई-मेल को प्रचारित, वितरित अथवा कॉपी न करें। कृपया प्रेषक को तुरंत नोटिफाई करें तथा इस संदेश की सभी प्रतियां तथा अन्य संलग्नक नष्ट कर दें।

चेतावनी: ई-मेल के माध्यम से कम्प्यूटर वायरस संप्रेषित हो सकता है। यद्यपि इसके लिए कंपनी ने पर्याप्त सावधानी बरती है कि इस ई-मेल में कोई वायरस न हो, तथापि प्रेषिती को भी यह जाँच कर लेनी चाहिए कि इस ई-मेल तथा संलग्नक में कोई वायरस नहीं है। कंपनी इस ई-मेल अथवा संलग्नकों के प्रयोग से हुई किसी भी हानि अथवा नुकसान का दायित्व स्वीकार नहीं करती।

From: Project In-charge, ITP <pfccl.itp@pfcindia.com>
Sent: 20 April 2023 12:06
Cc: Sanjay Nayak; Bibhuti Giri; Deepak Kumar; dheerajmandal.pfccl@gmail.com
Subject: Notice for extension of RFP bid submission for the Independent Transmission Project (ITP) "Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex)- Part-B".

Follow Up Flag: Follow up
Flag Status: Flagged

[EXTERNAL EMAIL] Do not click links or attachments unless you recognize the sender and know the content is safe.

Dear Sir,

This is to inform that the due date for submission of online RFP bids (Technical & Financial) through the electronic bidding platform for the subject project has been extended from April 21, 2023 till 16:00 hrs (IST) to **May 23, 2023 till 15:00 hrs (IST)**. The RFP (Technical) Bids will be opened on same day i.e. **May 23, 2023 at 15:30 hrs (IST)**.

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Regards,
PFC Consulting Limited,
New Delhi

जब तक अत्यंत आवश्यक न हो कृपया इस ई-मेल को प्रिंट न करें ।

इस इलेक्ट्रॉनिक संदेश में समाहित सूचना तथा संलग्नक केवल प्रेषिती के उपयोग के लिए हैं तथा उनके लिए प्रॉपराइटरी, गोपनीय अथवा विशेषाधिकृत सूचना हो सकती है। यदि आप वह व्यक्ति नहीं हैं, तो आप इस ई-मेल को प्रचारित, वितरित अथवा कॉपी न करें। कृपया प्रेषक को तुरंत नोटिफाई करें तथा इस संदेश की सभी प्रतियां तथा अन्य संलग्नक नष्ट कर दें।

चेतावनी: ई-मेल के माध्यम से कम्प्यूटर वायरस संप्रेषित हो सकता है। यद्यपि इसके लिए कंपनी ने पर्याप्त सावधानी बरती है कि इस ई-मेल में कोई वायरस न हो, तथापि प्रेषिती को भी यह जाँच कर लेनी चाहिए कि इस ई-मेल तथा संलग्नक में कोई वायरस नहीं है। कंपनी इस ई-मेल अथवा संलग्नकों के प्रयोग से हुई किसी भी हानि अथवा नुकसान का दायित्व स्वीकार नहीं करती।

Ref No. 04/22-23/ITP-59/RFP

Date: May 15, 2023

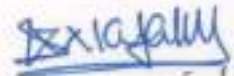
TO WHOMSOEVER IT MAY CONCERN

Sub: Independent Transmission Project – "Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): Part-B"-Reg. request to grant necessary permission/facilitation to bidders for carrying out pre-bid survey related activities.

1. Ministry of Power vide Gazette Notification No. CG-DL-E-14012023-241990 dated 13.01.2023 has appointed PFC Consulting Limited (PFCCL) as the Bid Process Coordinator (BPC) for the purpose of selection of bidder as Transmission Service Provider (TSP) to establish "Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): Part-B" through Tariff Based Competitive Bidding (TBCB) process:
2. The scope of the transmission system is as below:
 - (i) Establishment of 765/400 kV, 4x1500 MVA (along with one spare unit of 500 MVA) Neemrana-II S/s along with 2x330 MVAR (765 kV) Bus Reactor (along with one spare unit of 110 MVAR) & 2x125 MVAR (420kV) Bus Reactor at a suitable location near Neemrana.
 - (ii) Neemrana-II -Kotputli 400 kV D/c line (Quad)
 - (iii) LILO of both ckts of 400 kV Gurgaon (PG) - Sohna Road (GPTL) D/c line (Quad) at Neemrana-II S/s
3. PFCCL, as a BPC, invited bids from all prospective Bidders on the basis of international competitive bidding to set up the above transmission project and issued Request for Proposal documents on 15.02.2023.
4. The prospective bidders have expressed that they need to carry out a pre-bid survey for proper assessment of the route and proposed substation site.
5. On the request of bidders, PFCCL request you to provide necessary permissions and support to the facilitate representatives of the prospective bidders for carrying out the pre-bid survey related activities for proper estimation required for preparation of bids.

Thanking you,

Yours sincerely,



(Sanjay Nayak)

General Manager

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
1.	RFP “Final Offer” shall mean the Quoted Transmission Charges, required to be submitted as part of the Financial Bid on the electronic bidding platform during the e-reverse bidding stage. In case, no Final Offer is received during the e-reverse bidding stage then the lowest “Initial Offer” shall be deemed to be the Final Offer;	<p>Presently, details of L-1 bidder are not displayed on conclusion of e-RA if there is no receipt of counterbids.</p> <p>In case, two bidders have quoted the same L1, they would be under false impression of having L1 tariff of their own and may not offer further competitive offer. In such scenario, e-RA shall end resulting in premature conclusion of e-RA process.</p> <p>It is requested to update the e-RA platform accordingly to reflect the status of L1 bidder under the above scenario.</p> <p>For transparency of the competitive price discovery through e-RA.</p>	<p>The e-RA will be conducted as per SBDs and the details of the successful bidder will be intimated only after conclusion of e-Reverse Auction (e-RA) process.</p> <p>In e-RA, two bidders cannot have same price bid as every bid has to be necessarily less than the previous bid. In case of Initial Offer as bids are encrypted, two bidders may quote the same initial price offer. But in e-RA even if a single bid is received, two bidders cannot be at the same price offer.</p> <p>If the Initial Offer for two or more bidders is same and no bids are quoted in e-RA, the instant case seems to be hypothetical however in such case the decision of the competent authority shall prevail.</p>
2.	RFP document Clause 1.5 The TSP shall ensure transfer of all project assets along with substation land, right of way and clearances to CTU or its successors or an agency as decided by the Central Government after 35 years from COD of project at zero cost and free from any encumbrance and liability.	<p>Treatment of tax application at the end of the life of assets.</p> <p>As per section 50C of Income tax act, in case sale consideration received or claimed to be received by seller on sale of land or building or both is less than value adopted by stamp valuation authority (SVA), such value adopted by SVA would become actual sale</p>	<p>The TSP shall ensure transfer of all project assets along with substation land, right of way and clearances to CTUIL or its successors or an agency as decided by the Central Government after 35 years from COD of project at zero cost and free from any encumbrance and liability.</p> <p>Any taxes, stamp duties and liabilities, as may be applicable, has to be borne by the TSP.</p>

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
	The transfer shall be completed within 90 days after 35 years from COD of project failing which CTU shall be entitled to take over the project assets Suo moto.	consideration received or accruing to the seller. Therefore, capital gain would be Valuation as per stamp valuation authority reduced by cost/indexed cost of acquisition. Treatment of Capital tax and applicable TDS to be clarified.	
3.	RFP document Clause 1.5 The TSP shall ensure transfer of all project assets along with substation land, right of way and clearances to CTU or its successors or an agency as decided by the Central Government after 35 years from COD of project at zero cost and free from any encumbrance and liability. The transfer shall be completed within 90 days after 35 years from COD of project failing which CTU shall be entitled to take over the project assets Suo moto.	Modality of transfer of assets to be defined. In case only assets to be transferred then application of stamp duty & other taxes and its treatment to be clarified.	The TSP shall ensure transfer of all project assets along with substation land, right of way and clearances to CTU or its successors or an agency as decided by the Central Government after 35 years from COD of project at zero cost and free from any encumbrance and liability. Any taxes, stamp duties and liabilities, as may be applicable have to be borne by the TSP.
4.	RFP document Clause 1.5 The TSP shall ensure transfer of all project assets along with substation land, right of way and clearances to CTU or its successors or an agency as decided by the Central Government after 35 years from COD of project at zero cost	Modalities for O&M, other expenditure etc. for the transition period of 90 days may be confirmed. Availability calculation for the said period?	The transfer of all project assets along with substation land, right of way and clearances shall be completed at the end of 35 years from COD of the Project. All the expenditure till the transfer of all project assets along with substation land, right of way and

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
	and free from any encumbrance and liability. The transfer shall be completed within 90 days after 35 years from COD of project failing which CTU shall be entitled to take over the project assets Suo moto.		clearances shall be borne by TSP.
5.	RFP 1.6.2.1 (2) To obtain approval for laying of overhead transmission lines under Section 68 of Electricity Act, from the Government at least twenty (20) days prior to Bid Deadline.	It is the responsibility of the BPC to provide approval for laying of overhead transmission lines under section 68 of Electricity Act. However, it is noted that approval under section 68 is furnished without incorporating the amendments in scope of the project. It is requested to provide section 68 approval incorporating all the amendments. Incomplete approved section-68 leads to delay in execution of project	The prior approval under Section 68 shall be shared with the successful bidder.
6.	RFP 1.6.2.1 5) The BPC shall intimate to the Bidders, the Acquisition Price payable by the Selected Bidder to the PFC Consultancy Limited for the acquisition of one hundred percent (100%) of the equity shareholding of SPV [which is under incorporation] , along with all its related assets and liabilities at least twenty (20) days prior to	Based on the past experience, it is noted that the acquisition price claimed is higher than the amount informed prior to bidding. Any variation in the Acquisition price post bid submission should be avoided. Further, it also noted that mandatory 20 days is not being adhered to by the BPC after furnishing the acquisition price.	The tentative acquisition price of the SPV shall be provided as per the provisions of the RFP document.

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
	the Bid Deadline .	Based on the past experience, it is noted that the acquisition price claimed is higher than the amount informed prior to the bidding. Further, it also noted that mandatory 20 days is not being adhered to by the BPC after furnishing the acquisition price. Even for the current RE projects floated, the acquisition price has not been furnished by the BPC within the prescribed time limits	
7.	RFP 1.6.2.1 6) The BPC shall ensure issuance of all finalized RFP Project Documents, at least fifteen (15) days prior to the Bid Deadline. 2.4.2. All modifications shall become part of the terms and conditions of this RFP. No interpretation, revision or communication regarding this RFP is valid, unless made in writing.	BPC is requested to kindly provide the signed TSA incorporating all the amendments / clarifications. Since TSA is the base document for reference for more than 35 years, the TSA should be complete incorporating all the amendments issued by BPC to avoid any intentional and unintentional references to TSA. It is the responsibility of the BPC to provide finalized RfP Project Documents. However, it is noted that amendments in the bidding documents are not	As per revised TBCB Guidelines and SBDs issued by MOP, GoI, TSP on the date of acquisition of SPV from the BPC will enter into a Transmission Service Agreement (TSA) with the Nodal Agency.

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
		incorporated in signed TSA and are merely appended to the TSA. It is requested to BPC to kindly provide signed TSA incorporating all the amendments and also confirm that no changes other than the notified amendments have been incorporated.	
8.	RFP Clause 1.12 Once the Successful Bidder is selected, the details and documents as may be obtained by the BPC/ project specific SPV in relation to the Project, shall be handed over to the Successful Bidder on as is where basis, so that it may take further actions to obtain all necessary Consents, Clearances and Permits and the TSP shall not be entitled for any extensions in the Scheduled COD of the Project except as provided for in the TSA	BPC is requested to provide the list of details & documents to be handed over to the Successful Bidder.	BPC will provide all the requisite documents/ certifications under the Guidelines and the Standard Bidding Documents to the Successful Bidder at the time of transfer of SPV.
9.	RFP Clause 2.1.2 “...(i) Experience of development of projects in the Infrastructure Sector in the last five (5) years with aggregate capital expenditure of not less than...”	Technical qualification as per developer route is considered from last five years , whereas for construction experience , the technical qualification is considered from last five Financial Years . The both technical qualifications should be considered from the same period for	This is as per the Standard Bidding Documents. No change is envisaged.

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
	Or “... Experience in construction of project in infrastructure sector: The Technically Evaluated Entity should have received aggregate payments not less than Rs. 1480 Crore or equivalent USD (calculated as per provisions in Clause 3.4.1) from its client(s) for construction works fully completed during the last 5(five) financial years....”	equity. Therefore, it is requested to align the timeline for both technical qualifications criteria.	
10.	RFP Clause 2.5.3 “....	What if two or more bidders quote the same Initial offer which turns out to be prevailing lowest levelized tariff and no further discount is offered by any bidder during e-reverse auction event? For clarity and transparency.	If the Initial Offer for two or more bidders is same and no bids are quoted in e-RA, the instant case seems to be hypothetical however in such case the decision of the competent authority shall prevail.
11.	RFP Clause 2.7.2	The important timelines are mentioned in the table including proposed date of issuance of LoI, transfer of SPV etc. It is observed in the past that in case, there is extension in bid submission date, the revised timelines are not being provided regarding issuance of LoI, transfer of SPV etc.	The important timelines are mentioned in the Clause 2.7.2 of RFP document. Further, in case of any extension in bid submission date, it is understood that the timelines of all the subsequent events is being extended accordingly.

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
		It is requested to kindly provide the updated table in case of extension in bid submission date. For clarity	
12.	RFP Clause 2.7.2	The important timelines are mentioned in the table including shortlisting and announcement of Qualified bidder etc. In case, there is delay in shortlisting of qualified bidders, it is requested to provide the updated dates of conduction of e-RA etc. to enable bidders to prepare for e-Reverse auction. To comply with SBD requirement	The timelines for shortlisting of qualified bidders and subsequent conduction of e-RA shall be done as per timelines stipulated in the RfP.
13.	RFP 2.8.1 The Bid shall remain valid for a period of one hundred and eighty (180) days from the Bid Deadline.	As per 2.7.2, the Share Purchase Agreement is scheduled to be signed by within about 31 days from submission of Bid. Therefore, the validity of bids may be stipulated to be upto 2 months.	This is as per the Standard Bidding Documents. No change is envisaged.
14.	RFP 2.15.3 After the date of acquisition of the equity shareholding of SPV [which is under incorporation], along with all its related assets and liabilities, by the Selected Bidder,	Role of BPC has to be complete. i. the authority of the BPC in respect of this Bid Process shall forthwith cease and any actions to be taken thereafter	The role of BPC ends with the transfer of SPV to the successful bidder. However, it may be noted that the BPC shall fulfil its responsibility of providing the certification from the Bid Evaluation Committee to enable the TSP to

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
	i. the authority of the BPC in respect of this Bid Process shall forthwith cease and any actions to be taken thereafter will be undertaken by the Nodal Agency,	will be undertaken by the Nodal Agency, save for those which are related to and consequent to the bidding process adopted by the BPC. The BPC shall not relinquish its role after the acquisition but shall have to undertake all activities including providing the certification from the Bid Evaluation Committee etc., and other requirements to enable the Bidder to obtain Transmission license and adoption of Transmission charges. Furthermore, any activity which has an origin traced to the BPC activity/process has to be owned by BPC and the TSP / LTTC is neither aware nor can be made responsible.	obtain Transmission license and adoption of Transmission charges.
15.	RFP 2.15.3 ii. all rights and obligations of SPV [which is under incorporation] , shall be of the TSP,	Kindly provide, in detail, the rights and obligations of SPV. To avoid unknown obligations / liabilities.	The provision of RFP is amply clear.
16.	RFP 2.15.3 iv. contractual obligations undertaken by the BPC shall continue to be fulfilled by the TSP.	What are the obligations that the BPC has undertaken which needs to be fulfilled by the TSP? 2.15.3 iv. contractual obligations undertaken by the BPC shall continue to be fulfilled by the TSP if only such	The details of the contractual obligations (if any) of BPC to be fulfilled by the TSP shall be intimated as per the provisions of RFP.

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
		contractual obligations have been made available to the bidders 15 days prior to the bid deadline. Nature of contractual obligations cannot be left open as the same is to be fulfilled by the TSP.	
17.	RFP 2.15.3 v. Further, the TSP shall execute the Agreement(s) required, if any, under Central Electricity Regulatory Commission (Sharing of Inter-State Transmission Charges and Losses) Regulations as amended from time to time	The agreements to be executed are required to be informed to the bidder prior to the bid submission date. Any such changes shall be treated as Change in Law. To avoid unknown obligations / liabilities.	This is as per the Standard Bidding Documents. The provisions of RFP documents shall prevail.
18.	RFP 2.15.4 Within five (5) working days of the issue of the acquisition of the SPV by the Successful Bidder, the TSP shall apply to the Commission for grant of Transmission License and make an application to the Commission for the adoption of Transmission Charges, as required under Section – 63 of The Electricity Act 2003	We request you to consider at least 30 days’ time for completion of these activities. Within thirty (30) working days of the issue of the acquisition of the SPV by the Successful Bidder, the TSP shall apply to the Commission for grant of Transmission License and make an application to the Commission for the adoption of Transmission Charges, as required under Section – 63 of The Electricity Act 2003.	This is as per the Standard Bidding Documents. No change is envisaged.

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
19.	RFP 2.15.6 If the TSP fails to obtain the Transmission License from the Commission, it will constitute sufficient grounds for-annulment of award of the Project	In case TSP fails to obtain the Transmission License the reasons for the same have to be examined. 2.15.6 If the TSP fails to obtain the Transmission License from the Appropriate Commission, the treatment shall be as per provisions 3.3 of the TSA. Provisions of 3.3 of TSA provides for consequences for non-fulfilment of conditions subsequent. The provisions of RFP as such have to be reflective of TSA.	This is as per the Standard Bidding Documents. The provisions of RFP documents shall prevail.
20.	RFP Annexure 11A:	As against the category of “Bidder himself for 100% equity”, it is stated that applicable Board Resolutions are 1,2 and 4 (of Format 1 Annexure-11) However, it is observed that Resolution 2 is not applicable since the same pertains to a Consortium. Accordingly, the applicable Board Resolutions be stated as 1 and 4 only (Format 1 of Annexure 11) and a suitable amendment be issued. Improper Board resolutions	It is amply clear that the resolution is required in case of consortium only

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
21.	RFP General	Kindly confirm: i) whether the Project / Elements are covered under “Generation linked Project” or “System Strengthening Project”	The Project is to be developed as part of “Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part1) (Bikaner Complex)”. The scheme has been envisaged to facilitate transfer of power from renewable energy generation projects to desired beneficiaries.
22.	RFP General	Kindly confirm: i) Whether the Project/ Elements are eligible for early commissioning incentive as per MoP, GoI order dated 15.07.2015.	The provisions in TSA pertaining to commissioning shall prevail which interalia covers the matter of preponing of CoD. The TSP may approach the Committee constituted by MoP vide its OM No. 15/1/2013-Trans dated 14.12.2021 to ensure smooth operationalization of the Policy for early commissioning.
23.	RFP General	Kindly confirm, whether clearance for Transmission System under subject project are required from Supreme Court nominated committee as per the order of Hon’ble Supreme Court dated 19.4.2021 in IA No.85618/2020 in WP (Civil) No. 838 of 2019. In case, the same is applicable, the status of the requisite clearance may be furnished. For clarity	Bidders are required to familiarize themselves with all relevant Rules/ Regulations/ Guidelines issued by the Central Government, CERC, CEA or any relevant Authority and amendments thereof. Please refer clause 2.5.7.2 of RFP Document.
24.	RFP	Financial Bid opening date is specified in the RFP document. However, in most of	The timelines for shortlisting of qualified bidders and subsequent conduction of e-RA shall be done as per

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
	General	<p>the cases, the date is shifted beyond the schedule without any intimation to participant bidders.</p> <p>In such situations, BPC is required to inform the revised date for Financial Bid Opening at least 1 week before the bid opening to enable bidders to take appropriate action for participation in e-RA.</p> <p>For compliance with SBD</p>	timelines stipulated in the RfP.
25.	<p>RFP and TSA</p> <p>Transmissions License fee has to be paid during the entire validity of the Transmission Service Agreement</p>	<p>The Transmissions License fee which has to be paid during the entire validity of the Transmission Service Agreement is also not stated in the Regulations / Govt. Orders. The same may be furnished.</p> <p>To assess the risk and cost of the Project.</p>	<p>Bidders are advised to ascertain themselves with all the applicable fees, charges, etc.</p> <p>Please refer clause 2.5.7.2 of RFP Document</p>
26.	<p>RFP and TSA</p> <p>The definition of Contract Year in RFP is as under:</p> <p>"Contract Year" shall mean the period beginning on the Scheduled COD, and ending on the immediately succeeding March 31 and</p>	<p>As per RFP, the Contract Year shall start from the Scheduled CoD whereas as per TSA, the Contract Year shall start the CoD. As such, both the definitions are contradictory in nature.</p> <p>It is requested to clarify the correct definition of Contract Year.</p>	The provisions of RFP and TSA are amply clear.

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
	<p>thereafter each period of 12 ...:</p> <p>And the definition of Contract Year in TSA is as under:</p> <p>“Contract Year”, for the purpose of payment of Transmission Charges, shall mean the period beginning on the COD, and ending on the immediately ...”</p>	<p>To avoid ambiguity</p>	
27.	<p>TSA</p> <p>Definitions:</p> <p>“Project Assets” shall mean all physical and other assets relating to and forming part of the Project including:</p> <p>(a) rights over the Site for substations, ROW for transmission lines;</p> <p>(b) tangible & intangible assets such as civil works and equipment including foundations, embankments, pavements, electrical systems, communication systems, relief centres, administrative offices, Substations, software, tower and sub-stations designs etc;</p> <p>(c) project facilities situated on the Site;</p> <p>(d) all rights of the TSP under the project</p>	<p>There could be delay in receipt of payment against receivables. Further, the TSP might have some pending claims against insurance company.</p> <p>How shall TSP receive these legitimate pending claim or charges after transfer of asset to CTU?</p> <p>For clarity</p>	<p>Definition of Project Assets is amply clear. The insurance proceeds will also be transferred by TSP</p>

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
	<p>agreements; (e) financial assets, such as receivables, security deposits etc; (f) insurance proceeds; and (g) Applicable Permits and authorisations relating to or in respect of the Transmission System;”</p> <p>2.2.2 Post the Expiry Date of this Agreement, the TSP shall ensure transfer of Project Assets to CTU or its successors or an agency as decided by the Central Government at zero cost and free from any encumbrance and liability. The transfer shall be completed within 90 days of expiry of this Agreement failing which CTU shall be entitled to take over the Project Assets Suo moto</p>		
28.	<p>TSA</p> <p>“Project Assets” shall mean all physical and other assets relating to and forming part of the Project including: (a) rights over the Site for substations, ROW for transmission lines; (b) tangible & intangible assets such as civil works and equipment including foundations, embankments,</p>	<p>Please confirm that any taxes or charges or cost to be borne by the TSP at the transfer time including sale at value lower than fair value shall be reimbursed to the TSP.</p> <p>These cost are not known at this point of time and might be significant in amount. TSP cannot be exposed such charges.</p>	<p>Definition of Project Assets is amply clear. The Projects Assets have to be transferred by TSP at zero cost and free from any encumbrance and liability.</p>

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
	<p>pavements, electrical systems, communication systems, relief centres, administrative offices, Substations, software, tower and sub-stations designs etc;</p> <p>(c) project facilities situated on the Site;</p> <p>(d) all rights of the TSP under the project agreements;</p> <p>(e) financial assets, such as receivables, security deposits etc;</p> <p>(f) insurance proceeds; and</p> <p>(g) Applicable Permits and authorisations relating to or in respect of the Transmission System;”</p> <p>2.2.2 Post the Expiry Date of this Agreement, the TSP shall ensure transfer of Project Assets to CTU or its successors or an agency as decided by the Central Government at zero cost and free from any encumbrance and liability. The transfer shall be completed within 90 days of expiry of this Agreement failing which CTU shall be entitled to take over the Project Assets Suo moto</p>	For clarity	
29.	<p>TSA</p> <p>A) In accordance with the Bidding Guidelines, the Bid Process Coordinator (hereinafter referred to as BPC) had initiated a competitive e-</p>	<p>Role of selected bidder and TSP needs to be clear.</p> <p>A) In accordance with the Bidding Guidelines, the Bid Process Coordinator</p>	This is as per the Standard Bidding Documents. No change is envisaged.

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
	reverse bidding process through issue of RFP for selecting a Successful Bidder to build, own, operate and transfer the Project comprising of the Elements mentioned in Schedule 1 (hereinafter referred to as the Project)	<p>(hereinafter referred to as BPC) had initiated a competitive e-reverse bidding process through issue of RFP for selecting a Successful Bidder who shall acquire the TSP. The TSP shall build, own, operate and transfer the Project comprising of the Elements mentioned in Schedule 1 (hereinafter referred to as the Project).</p> <p>TSP is the entity to build, own, operate and transfer the project and not the selected ‘Successful Bidder’.</p> <p>The anomaly is to be corrected / redrafted. Provisions have to be properly aligned to reflect the desired course of action.</p>	
30.	<p>TSA</p> <p>B) Pursuant to the said e-reverse bidding process, the BPC has identified the Successful Bidder, who will be responsible to set up the Project on build, own, operate and transfer basis to provide Transmission Service in accordance with the terms of this Agreement and the Transmission License.</p>	<p>Role of selected bidder and TSP needs to be clear.</p> <p>B) Pursuant to the said e-reverse bidding process, the BPC shall identify the Selected Bidder who shall acquire the TSP. The TSP will be responsible to set up the Project on build, own, operate and transfer basis and to provide Transmission Service on long term basis on the terms and conditions</p>	This is as per the Standard Bidding Documents. No change is envisaged.

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
		<p>contained in this Agreement and the Transmission License.</p> <p>TSP is the entity to build, own, operate and transfer the project and not the selected ‘Successful Bidder’.</p> <p>The anomaly is to be corrected / redrafted. Provisions have to be properly aligned to reflect the desired course of action.</p>	
31.	<p>TSA</p> <p>Cl. 2.2.2</p> <p>Post the Expiry Date of this Agreement, the TSP shall ensure transfer of Project Assets to CTU or its successors or an agency as decided by the Central Government at zero cost and free from any encumbrance and liability. The transfer shall be completed within 90 days of expiry of this Agreement failing which CTU shall be entitled to take over the Project Assets Suo moto.</p>	<p>Modalities for O&M, other expenditure etc. for the transition period of 90 days may be confirmed.</p>	<p>The transfer of all project assets along with substation land, right of way and clearances shall be completed at the end of 35 years from COD of the Project.</p> <p>All the expenditure till the transfer of all project assets along with substation land, right of way and clearances shall be borne by TSP.</p>
32.	<p>TSA</p> <p>Clause no 2.3: Conditions prior to the expiry of the Transmission License</p> <p>2.3.1 In order to continue the Project beyond the expiry of the Transmission License, the TSP shall be obligated to make an application to the Commission at least two (2) years before the</p>	<p>There should be a provision in the TSA to cover the revenue loss that may be incurred by the TSP, in the case of the Appropriate Commission not granting extension of the Transmission License beyond the period of 25 years.</p>	<p>This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.</p>

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
	<p>date of expiry of the Transmission License, seeking the Commission’s approval for the extension of the term of the Transmission License up to the Expiry Date.</p> <p>2.3.2 The TSP shall timely comply with all the requirements that may be laid down by the Commission for extension of the term of the Transmission License beyond the initial term of twenty-five (25) years & upto the Expiry Date and the TSP shall keep the Nodal Agency fully informed about the progress on its application for extension of the term of the Transmission License.</p>	<p>The Transmission Charges to be quoted by the bidders would be based on the cash flow generated from the Project for 35 years and if, for any reason not attributable to the TSP (including any change in law), the Transmission License is not extended by the Appropriate Commission beyond 25 years the TSP will suffer significant losses.</p> <p>The RFP / TSA should be suitably modified to provide security of continuation of the transmission business for at least 35 years.</p>	
33.	<p>TSA</p> <p>3.1.1 Within ten (10) days from the date of issue of Letter of Intent, the Selected Bidder, shall:</p> <p>a. Provide the Contract Performance Guarantee, and</p> <p>b. Acquire, for the Acquisition Price, one hundred percent (100%) equity shareholding of SPV [which is under incorporation]</p> <p>c. Execute this Agreement;</p> <p>.....</p>	<p>Given the past experience, after the issuance of LoI, the clearance for signing the SPA by the BPC itself takes about one month (30 days). During this period approvals have to be obtained from the competent authority for furnishing inputs to signing of the SPA. The timeline of 10 days is unworkable and as such at least 30 days have to be provided.</p> <p>33.1.1 Within thirty (30) days from the date of issue of Letter of Intent, the</p>	<p>This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.</p> <p>However, the provision for extension provided in clause 2.15.2 of RfP shall be applicable.</p>

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
		<p>Selected Bidder, shall:</p> <p>a. Provide the Contract Performance Guarantee, and</p> <p>b. Acquire, for the Acquisition Price, one hundred percent (100%) equity shareholding of SPV [which is under incorporation]</p> <p>c. Execute this Agreement;</p> <p>.....</p> <p>Non fulfilling of the conditions have ramifications on the selected bidder as per the TSA and accordingly, the time period has to be realistic.</p>	
34.	<p>TSA</p> <p>3.1.1.....The TSP shall, within five (5) working days from the date of acquisition of SPV by the Selected Bidder, undertake to apply to the Commission for the grant of Transmission License and for the adoption of tariff as required under section-63 of the Electricity Act</p> <p>.....</p>	<p>Definition of working day is not defined in the TSA. Therefore, it is requested to define working day to avoid ambiguity and litigation later on.</p> <p>For clarity and avoiding ambiguity & litigation</p>	<p>The definition working day shall be as per Department of Personnel & Training, Gol.</p>
35.	<p>TSA</p> <p>3.1.3 The TSP agrees and undertakes to duly perform and complete the</p>	<p>As per clause 3.1.3 h, the EPC contracts to be awarded in 6 months. Whereas as per clause 3.1.3 c, TSP is required to submit Project Execution Plan after</p>	<p>Section 3.1.3 is clearly states that period of 6 months is not applicable to clause (c).</p>

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
	<p>following activities within six (6) months from the Effective Date (except for c) below),</p> <p>c) To submit to the Nodal Agency, CEA & Independent Engineer, the Project Execution Plan, immediately after award of contract(s) and maximum within one hundred and twenty (120) days from the Effective Date.</p> <p>h) To award the Engineering, Procurement and Construction contract (“EPC contract”) for the design and construction of the Project and shall have given to such Contractor an irrevocable notice to proceed; an</p>	<p>awards of Contracts within 120 days. TSP shall not be in a position to submit project plan within 120 days from effective date if the award of EPC contract is awarded after 120 days, but before 6 months period.</p> <p>As such, the timelines mentioned in above clauses are contradictory and the same may be reviewed.</p> <p>For clarity</p>	
36.	<p>TSA</p> <p>Clause 3.3.1: If any of the conditions specified in Article 3.1.3 is not duly fulfilled by the TSP even within three (3) Months..... in accordance with the provisions of this Agreement</p>	<p>Suggested text to be added at the end of this Article: “..... The additional Contract Performance Guarantee, if any provided by the TSP for delay in fulfilment of condition subsequent, shall be returned by the CTUIL on fulfilment of conditions subsequent by the TSP”.</p> <p>The additional CPG is for specific default(s) and once such default(s)</p>	<p>This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.</p>

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
		cease to exist, this additional amount of CPG should be returned. Additional CPG cannot be held back by the CTUIL till COD of the Project.	
37.	TSA Clause no 3.3.4: In case of inability of the TSP to fulfil the conditions specified in Article 3.1.3 due to any Force Majeure Event, the time period for fulfilment of the condition subsequent as mentioned in Article 3.1.3, may be extended for a period of such Force Majeure Event. Alternatively, if deemed necessary, this Agreement may be terminated by the Nodal Agency by giving a Termination Notice to the TSP, in writing, of at least seven (7) days, with a copy to CEA and the Lenders’ Representative in order to enable the Lenders to exercise right of substitution in accordance with Article 15.3 of this Agreement and the Contract Performance Guarantee shall be returned as per the provisions of Article 6.5.1.	The terms and conditions for termination of the TSA under this Article, including the termination payment and status of the SPV, need to be provided in the TSA. In case the Force majeure event continues, the TSA will be terminated and the CPG will be returned. Other expenses that would have been incurred till the date of termination of the TSA including the Acquisition Price paid for Acquiring the SPV and other incurred costs shall also be explicitly stated. There should be an explicit provision for refund of the Acquisition Price, along with the other expenses incurred by the TSP / Selected Bidder till such date of termination.	In such cases, provisions of Article 3.3.5 and Article 13.6.1 of TSA shall apply.
38.	TSA 3.3.4	In case project suffers from Force Majeure event for a period less than 6 months, interest cost during	Force Majeure provisions under the TSA are amply clear and shall prevail.

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
	<p>.....</p> <p>Provided, that due to the provisions of this Article 3.3.4, If the Scheduled COD is extended beyond a period of one hundred eighty (180) days due to the provisions of this Article 3.3.4, the TSP will be allowed to recover the interest cost during construction corresponding to the period exceeding one hundred eighty (180) days by adjustment in the Transmission Charges in accordance with Schedule 9</p> <p>11.7 (e) Available Relief for a Force Majeure Event</p> <p>For avoidance of doubt, the TSP acknowledges that for extension of Scheduled COD a period up to one hundred eighty (180) days due to Force Majeure event, no compensation on the grounds such as interest cost,.....</p>	<p>construction may be considered.</p> <p>For project viability.</p>	
39.	<p>TSA</p> <p>4.6 Interconnection Facilities:</p> <p>4.6.1 Subject to the terms and conditions of this Agreement, the TSP shall be responsible for connecting the Project with the interconnection point(s) specified in Schedule 1 of this Agreement. The Interconnection Facilities shall be developed as per the scope of work and</p>	<p>It is understood that if interconnection facilities at the interconnection point is not available, whereas TSP has completed rest of the scope of the project, the project shall be considered as deemed COD and TSP shall be entitled to all the benefits envisaged under the TSA.</p> <p>For clarity.</p>	<p>The provisions of TSA are amply clear and shall prevail.</p>

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
	<p>responsibilities assigned in Schedule 1 of this Agreement. The Nodal Agency shall be responsible for coordinating to make available the Interconnection Facilities.</p> <p>4.6.2 In order to remove any doubts, it is made clear that the obligation of the TSP within the scope of the project is to construct the Project as per Schedule-1 of this Agreement and in particular to connect it to the Interconnection Facilities as specified in this Agreement.</p>		
40.	<p>TSA</p> <p>6.1 Connection with the Inter-connection Facilities:</p> <p>6.1.1 The TSP shall give the RLDC(s), CTU, / STU, as the case may be, and any other agencies as required, at least sixty (60) days advance written notice of the date on which it intends to connect an Element of the Project, which date shall not be earlier than its Scheduled COD or Schedule COD extended as per Article 4.4.1 & 4.4.2 of this Agreement, unless mutually agreed to by Parties. Further, any preponing of COD of any element prior to Scheduled COD must be approved by the Nodal Agency.</p>	<p>Reference is drawn to the Order of CERC 4/ADP/2016 dated 23.03.2016. Relevant extract of the Order is reproduced hereunder:</p> <p>“In the event the inter-connection facilities are not ready by SCOD or by revised SCOD (as may be revised by the petitioner and the LTTCs for the purpose of availing incentive as per MOP Policy) on account of non-readiness of the upstream or downstream transmission assets while the petitioner’s transmission system is ready for commissioning, the COD of the transmission assets of the petitioner</p>	<p>This shall be treated as per applicable CERC Regulations/Orders/TSA.</p>

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
	<p>6.2.1 An Element of the Project shall be declared to have achieved COD twenty four (24) hours following the connection of the Element with the Interconnection Facilities pursuant to Article 6.1 or seven (7) days after the date on which it is declared by the TSP to be ready for charging but is not able to be charged for reasons not attributable to the TSP subject to Article 6.1.2.</p> <p>Provided that an Element shall be declared to have achieved COD only after all the Element(s), if any, which are pre-required to have achieved COD as defined in Schedule 2 of this Agreement, have been declared to have achieved their respective COD.</p> <p>6.2.2 Once any Element of the Project has been declared to have achieved deemed COD as per Article 6.2.1 above, such Element of the Project shall be deemed to have Availability equal to the Target Availability till the actual charging of the Element and to this extent, TSP shall be eligible for the Monthly Transmission Charges applicable for such Element.</p>	<p>may be declared in accordance with the provisions of Article 6.2 of the TSA (to be known as „deemed COD“) and the LTTCs/developers of the upstream and downstream assets shall be liable to pay the transmission charges from the deemed COD till the transmission assets are put into actual use.”</p> <p>From above, it is seen that even in case of SCOD when the systems are declared deemed COD as per Article 6.2 of TSA, till the transmission assets are put into actual use, the transmission charges are liable to be paid by DICs/developers of the upstream and downstream assets.</p> <p>In such situations, it shall be construed that BPC has obtained consent of the DICs/ Upstream / Downstream / Generators (as applicable) for payment of transmission charges.</p> <p>Further, as per CERC order no. 104/MP/2018 dated 18th September 2018, downstream was directed to pay transmission charges to TSP.</p> <p>Order of CERC 4/ADP/2016 dated 23.03.2016.</p>	

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
41.	TSA 6.1.3 b) it meets the Grid Code, Central Electricity Authority (Technical Standards for Connectivity to the Grid) Regulations, 2007 as amended from time to time and all other Indian legal requirements, and.	It is understood that the connectivity regulations at the time of bidding stage shall be complied with by the TSP, whereas any amendments, if any after bid submission having impact on tariff shall be construed under change in law. For clarity	Provisions of TSA are amply clear in this regard.
42.	TSA Clause 6.3.1 (b) In case of delay due to Indirect Non-Natural Force Majeure Event or Natural Force Majeure Event affecting the Nodal Agency, TSP is entitled for payment for debt service which is due under the Financing Agreements, subject to a maximum of Transmission Charges calculated on Target Availability, for the period of such events in excess of three (3) continuous or non-continuous Months in the manner provided in (c) below.	Clause 6.3.1 (b) covers the loss on debt amount which includes, due to Indirect Non-Natural Force Majeure Event or Natural Force Majeure Event affecting the Nodal Agency, TSP is entitled for payment for debt service which is due under the Financing Agreements. However, any loss on the equity is not covered in the above clause. In order to compensate for the loss due to Indirect Non-Natural Force Majeure Event or Natural Force Majeure Event affecting the Nodal Agency, compensation to both equity as well as debt to be covered as per clause 6.3.1 (a).	This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.
43.	TSA 7.1 The TSP shall be responsible for ensuring that the Project is operated and maintained in	It is understood that the regulations of Commission and CEA at the time of bidding stage shall be complied with by	Provisions of TSA are amply clear in this regard.

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
	accordance with the regulations made by the Commission and CEA from time to time and provisions of the Act.	the TSP, whereas any amendments, if any after bid submission having impact on tariff shall be construed under change in law. For Clarity	
44.	TSA 10 BILLING AND PAYMENT OF TRANSMISSION CHARGES 10.3 Rebate & Late Payment Surcharge	Any changes in CERC regulations, which have an implication on Billing cycle and/or cost implication to the TSP due to change in rebate and late payment surcharge, the same shall be allowed to be recovered under Change in law.	This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.
45.	TSA Clause no. 10.1: Subject to provisions of this Article 10, the Monthly Transmission Charges shall be paid to the TSP, in Indian Rupees, on monthly basis as per the provisions of the Sharing Regulations, from the date on which an Element(s) has achieved COD until the Expiry Date of this Agreement, unless terminated earlier and in line with the provisions of Schedule 4 of this Agreement.	Subject to provisions of this Article 10, the Monthly Transmission Charges shall be paid to the TSP, in Indian Rupees, on monthly basis as per the provisions of the Sharing Regulations, from the date on which an Element(s) has achieved COD or deemed to have achieved COD until the Expiry Date of this Agreement, unless terminated earlier and in line with the provisions of Schedule 4 of this Agreement. As per clause 6.2 of the TSA, the TSP is eligible for payment of Transmission charges from the date of deemed COD.	This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.
46.	TSA 11.4 Force Majeure Exclusions	The survey report furnished by BPC has to be accurate and any error or	As per the provisions of RFP, BPC prepares the Survey Report and furnish the same to bidders.

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
	11.4.1 (g) Any error or omission in the survey report provided by BPC during the bidding process.	omission has to be owned by the BPC. Professional fees including fees for survey report is also claimed by BPC.	The provisions of Force Majeure Exclusions in TSA shall prevail.
47.	TSA 12.1.1 Change in law	Any change in acquisition price is a cost to the TSP and needs to be compensated under change in law. Alternatively, BPC should refrain from increasing the Acquisition price after bid submission.	The change in acquisition price to the extent as per Provisions under Clause No. 3.5 of Tariff Based Competitive Bidding Guidelines for Transmission Service issued on 10.08.2021 shall prevail.
48.	TSA Clause 12.1.1 Change in Law means the occurrence of any of the following after the Bid Deadline resulting into any additional recurring / non-recurring expenditure by the TSP or any savings of the TSP....	It is mentioned that in case any change in law event occurs on bid submission date or just prior to bid submission date, the bidders shall not have adequate time to understand the cost implication of such change in law event. Bidders cannot be exposed to such uncertainties and thereafter it is requested to consider any event after 7 days prior to bid deadline as Change in Law event. Furthermore, the bid submission is fixed at 12 noon. Whereas change in event could happen during the day even after 12 noon. Such clause can have serious implications on the viability of the project.	This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
49.	<p>TSA</p> <p>12.1.2 Notwithstanding anything contained in this Agreement, Change in Law shall not cover any change:</p> <p>a. Taxes on corporate income; and; and</p> <p>b. Withholding tax on income or dividends distributed to the shareholders of the TSP.</p>	<p>Any tax applied on the income or profits of the TSP need to be covered under change in law.</p> <p>Tax is an element beyond the control of the TSP.</p> <p>Change in tax or introduction of any tax is covered under change in law.</p> <p>Tax rate applicable on the income or profits of the TSP is beyond the control of the TSP and to assume the same for 35 years shall be a risk which is best assumed by the LTTCs accordingly this is to be reviewed.</p>	<p>This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.</p> <p>Further, please refer Clause 2.5.7 of RFP.</p>
50.	<p>TSA</p> <p>Clause 13.7</p> <p>If Agreement is terminated on account of Force Majeure Events, nonrequirement of any Element or Project during Construction, Nodal Agency's non-fulfilment of Role & TSP's Event of Default, the TSP shall be entitled for Termination Payment equivalent to valuation of Project Assets. Upon payment, the Nodal Agency shall take over the Project Assets</p>	<p>Kindly furnish the methodology of calculation of valuation of project asset.</p> <p>For clarity</p>	<p>Valuation of project assets shall be done as per the prevailing industry practices.</p> <p>Further, please refer Clause 18.2.e. of TSA.</p>

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
51.	TSA Connection Agreement	A draft copy of the Connection Agreement may be furnished.	Connection Agreement is available on the website of CTUIL and same may be referred.
52.	TSA General	Kindly inform when shall the TSA be signed? Is it signed before Bid submission (pre-signed TSA) or before the signing of SPA or after the signing of SPA. For clarity	As per revised TBCB Guidelines and SBDs issued by MOP, GoI, TSP on the date of acquisition of SPV from the BPC will enter into a Transmission Service Agreement (TSA) with the Nodal Agency.
53.	RFP (TECHNICAL REQUIREMENTS FOR TRANSMISSION LINE) Transmission line route shall be finalized, in consultation with appropriate authorities so as to avoid the habitant zones of endangered species and other protected species. Bird diverters, wherever required, shall be provided on the line	Since the SPV is with BPC, Bidder can't finalize the route in consultation with the concerned authorities so as to avoid the habitant zones of endangered species and other protect species because it shall not be entertained at the time of bidding stage. Accordingly, BPC is requested to initiate all such actions for the route provided by BPC as part of Survey Report. For realistic bid estimation	BPC shall complete its responsibilities as listed in the RFP documents. Further, please refer Clause 2.5.7 of RFP document.
54.	RFP Specific Technical Requirements for Substation Clause no. B.1.2	As per scope of work specified in RFP, 06 nos. of half diameter (consisting of Main and associated Tie bays) for termination of ICT /Bus Reactor such	Refer clause B.1.2 of specific technical requirement of s/s wherein it is mentioned that “Spare 1-phase Shunt Reactor unit shall be placed and connected in such a way that the spare unit can be utilized for all

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
	<p>Switching Scheme</p> <p>iv) 765kV Bay configuration (one and half breaker scheme) at Neemrana-II s/s shall consist of 06 nos. of half diameter (consisting of Main and associated Tie bays) for termination of ICT /Bus Reactor such that upcoming feeders from Bikaner-III (4 nos. with switchable line reactors), Bareilly (2 nos. with switchable line reactors) shall be terminated in the existing half diameter by the respective TSP with installation of circuit breaker and associated equipment in each diameter.</p>	<p>that upcoming feeders from Bikaner-III (4 nos. with switchable line reactors), Bareilly (2 nos. with switchable line reactors) shall be terminated in the existing half diameter by the respective TSP with installation of circuit breaker and associated equipment in each diameter.</p> <p>We understand that existing 765kV spare unit of Bus Reactors, shall be utilized for Future Switchable Line Reactor also. In this regard please clarify Providing 1-Ph Circuit breaker along with associated CB relay panel, CT Switching arrangement etc shall be in scope of TSP of which transmission scheme.</p> <p>Further we also understand that Aux buses (765kV & 145kV) Shall be constructed for present scope only. Kindly confirm our understanding.</p>	<p>the bus and line reactor banks (including for future reactor banks) without its physical movement.”</p> <p>Accordingly, it is envisaged that 1-Ph Circuit breaker along with necessary associated equipment which is required for utilizing as spare for 765kV Bus Reactor as well as line reactor is also in the present scope of work.</p> <p>Also, Aux buses (765kV & 145kV) Shall be constructed for present scope only under this scheme.</p>
55.	<p>RFP</p> <p>Specific Technical Requirements for Substation</p> <p>B.3.1</p>	<p>We understand that LT supply shall be provided by installing LT transformers on Two banks of 765/400kV ICT's. Separate supply from SEB is not</p>	<p>TSP is to provide LT supply from two no. of LT transformer which shall be fed from two independent sources. It is not mandatory for TSP to provide supply from SEB.</p>

Clarifications dated 23.05.2023 to RFP documents for Selection of Bidder as Transmission Service Provider to establish Inter State transmission system for “Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part1) (Bikaner Complex): PART-B” **413**

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
	AC & DC power supplies For LT Supply at each new Substation, two (2) nos. of LT Transformers (minimum 800 kVA for substations with highest voltage rating as 765 kV) shall be provided out of which one shall be fed from two independent sources.	envisaged. Kindly confirm.	
56.	RFP & TSA General	We request you to clarify whether there are any deviations/addition in the RFP/TSA documents from the Standard Bidding documents (SBD) and if any, whether approval for the same has been taken or not. Please provide the list of the same, if any.	The RFP/ TSA Documents are as per the Standard Bidding Documents (SBDs) and subsequent amendments issued by the Ministry of Power, GoI.
57.	RFP General	Please let us know the status of Regulatory Approvals for the project. SPV Acquisition is linked to regulatory approval and it is very important to get the clearance before RFP Submission as this will impact the initiation of projects.	Transmission system is approved as per MoP Electricity (Transmission System Planning, Development and Recovery of Inter-State Transmission Charges) Rules, 2021. Regulatory approval would not be required for implementation of any ISTS project after approval by MoP.
58.	RFP General	We request you to let us know the status of TSA signing.	As per revised TBCB Guidelines and SBDs issued by MOP, GoI, TSP on the date of acquisition of SPV from the BPC will enter into a Transmission Service

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
		SPV Acquisition is linked to TSA Signing and it is very important to get the clearance before RFP Submission as this will impact the initiation of projects	Agreement (TSA) with the Nodal Agency.
59.	RFP, Clause 1.6.2.1 (2): To obtain approval for laying of overhead transmission lines under Section 68 of Electricity Act, from the Government at least twenty (20) days prior to Bid Deadline.	It is requested you to kindly provide present status of process initiated by BPC with regard to section 68 approval.	The prior approval under Section 68 shall be shared with the successful bidder
60.	RFP, Clause 1.6.2.2: The details and documents as may be obtained by the BPC/ project specific SPV in relation to the Project shall be handed over to the TSP on an as-is-where-is basis, so that it may take further actions to obtain Consents, Clearances and Permits	Please provide copy of all such document available with you from the State Government and/or Ministry of Power and/or kindly facilitate for State Support Agreement.	The necessary support shall be provided on case to case basis.
61.	RFP, Clause 1.10 The Ministry of Power and the appropriate state government(s) shall provide their support to the TSP, on best endeavor basis, in enabling the TSP to develop the Project.	We request you to share all such documents or correspondence happened with MOP and State Government, this will help the TSP is taking further approvals for the project.	The necessary support shall be provided on case to case basis.

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
62.	RFP, Clause 1.12 Once the Successful Bidder is selected, the details and documents as may be obtained by the BPC/ project specific SPV in relation to the Project, shall be handed over to the Successful Bidder on as is where basis, so that it may take further actions to obtain all necessary Consents, Clearances and Permits and the TSP shall not be entitled for any extensions in the Scheduled COD of the Project except as provided for in the TSA.	BPC is requested to provide the list of details & documents to be handed over to the Successful Bidder.	BPC will provide all the requisite documents/ certifications under the Guidelines and the Standard Bidding Documents to the Successful Bidder at the time of transfer of SPV.
63.	RFP, Clause 2.15.2 Within ten (10) days of the issue of the Letter of Intent, the Selected Bidder shall: a) provide the Contract Performance Guarantee in favour of the Nodal Agency as per the provisions of Clause 2.12 b) execute the Share Purchase Agreement and the Transmission Service Agreement c) acquire, for the Acquisition Price, one hundred percent (100%) equity shareholding of [Insert the name of the SPV] from PFC Consultancy Limited, who shall sell to the Selected Bidder, the equity shareholding of [Insert the name of the SPV], along with all its related assets and liabilities;	BPC will appreciate that the completion of said activities by the Selected Bidder within ten (10) days after issuance of Lol is very stringent. Also, execution of SPV / signing of share purchase agreement is not within the control of TSP as it is dependent on certain regulatory approvals as well. We therefore request to consider at least 30 days' time for completion of these activities as well as provide a carve out for consequences if the delay is not on account of TSP.	This is as per the Standard Bidding Documents. The provisions of RFP shall prevail.

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
64.	RFP, Clause 2.15.2 Stamp duties payable on purchase of one hundred percent (100%) of the equity shareholding of [Insert the name of the SPV], along with all its related assets and liabilities, shall also be borne by the Selected Bidder.	We request you to provide Applicable Stamp Duty Charges and Amount of Stamp Paper for the following agreements: i. Transmission Service Agreement ii. Share Purchase Agreement iii. Power of Attorney iv. Share Transfer Form It will be helpful if you can specify the name of 1st party and 2nd party for purchase of stamp papers.	The value of stamp paper/stamp duty along with party for the following is given below: i) Transmission Service Agreement – Rs. 100/- (1st Party : LTTCs, 2nd Party : SPVs) ii) Share Purchase Agreement-Rs. 100/- (1st Party : BPC, 2nd Party : SPV, 3rd Party, TSP) iii) Power of Attorney – Rs. 100/- iv) Share Transfer Form – 0.25% of Share Value at par of Rs. 1,00,000/-
65.	RFP, Clause 2.15.4 Within five (5) working days of the issue of the acquisition of the SPV by the Successful Bidder, the TSP shall apply to the Commission for grant of Transmission License and make an application to the Commission for the adoption of Transmission Charges, as required under Section – 63 of The Electricity Act 2003.	Clause 2.15.4 may be reworded as below - Within ten (10) working days of the issue of the acquisition of the SPV by the Successful Bidder, the TSP shall apply to the Commission for grant of Transmission License and make an application to the Commission for the adoption of Transmission Charges, as required under Section – 63 of The	This is as per the Standard Bidding Documents. The provisions of RFP shall prevail. Further, the provision for extension provided in Clause 2.15.2 of RFP document shall be applicable.

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
		Electricity Act 2003. The condition to apply for grant of transmission license and make application for adoption of transmission charges within 5 days is onerous. Request to please change the relevant provisions as per the suggested text in RFP and TSA.	
66.	RFP, Clause 2.15.5 If the Selected Bidder / TSP fails or refuses to comply with any of its obligations under Clauses 2.15.2, 2.15.3 and 2.15.4, and provided that the other parties are willing to execute the Share Purchase Agreement and PFC Consultancy Limited is willing to sell the entire equity shareholding of [Insert the name of the SPV], along with all its related assets and liabilities, to the Selected Bidder, such failure or refusal on the part of the Selected Bidder shall constitute sufficient grounds for cancellation of the Letter of Intent. In such cases, the BPC / its authorized representative(s) shall be entitled to invoke the Bid Bond of the Selected Bidder.	It is requested to kindly clarify as to what will be the consequences if the Selected Bidders fails to comply with any of Its obligations under 2.15.2, 2.15.3 and 2.15.3 due to reasons beyond the control of or not attributable to Selected Bidder / TSP. As the consequences for failure to comply the obligations under 2.15.2, 2.15.3 and 2.15.3 is the cancellation of Letter of Intent (LOI). We request you to reconsider the same as it would be unfair if LOI of selected bidder is cancelled due to reasons beyond its control.	This is as per the Standard Bidding Documents. The provisions of RFP shall prevail. Further, the provision for extension provided in Clause 2.15.2 of RFP document shall be applicable.

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
67.	RFP, Clause 2.4.3 The amendment to the RFP shall be notified to all the Bidders through the electronic bidding platform and shall be binding on them.	We understand that the BPC will also continue to share amendments / corrigendum through emails as per the current practice.	This is as per the Standard Bidding Documents. The provisions of RFP shall prevail.
68.	RFP, Clause 3.6.1 However, if no bid is received during the e-reverse bidding stage then the Bidder with lowest quoted initial transmission charges ("Initial Offer") during e-bidding stage shall be declared as the Successful Bidder,	We request you to clarify, if two or more bidders quote the same initial offer which turns out to be prevailing lowest levelized tariff and no further discount is offered by any bidder during e-reverse auction. In such case what will be the modality BPC will follow for award of project. BPC to confirm	The Board Resolutions passed by the Management Committee with duly authorized from the Board of Directors may be considered as per the provisions of RFP.
69.	RFP, General	We request you to kindly accept the Board resolutions passed by Management Committees formed by the Board of Directors of Bidding Company and TEE / affiliate respectively and duly authorized by the Board of Directors for participation in various tenders issued by Govt. authorities in response to the RFP submission.	The Board Resolutions passed by the Management Committee with duly authorized from the Board of Directors may be considered as per the provisions of RFP.
70.	RFP, ANNEXURE 22 – FORMAT FOR AFFIDAVIT	We understand that the declaration and	The declaration and details with respect to Clause

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
		<p>details with respect to conviction and investigation is to be provided for Affiliate / Parent company of the Bidding company only if such an Affiliate / Parent company is being used for meeting financial / technical qualification requirements.</p> <p>The board meeting of Bidding Company / TEE may not be scheduled till RFP submission.</p> <p>Thus, we request you to kindly consider the board resolution passed by the management committee formed by the board of directors’ w.r.t. Authorization from Bidding Company and TEE.</p>	<p>2.1.9 of RFP is to be provided by the bidding company including Affiliate / Parent company of the Bidding company being used for meeting financial/technical qualification requirements as per Annexure 22 of the RFP document.</p>
71.	<p>TSA, Article 3.3.1</p> <p>If any of the conditions specified in Article 3.1.3 is not duly fulfilled by the TSP even within three (3) Months after the time specified therein, then on and from the expiry of such period and until the TSP has satisfied all the conditions specified in Article 3.1.3, the TSP shall, on a monthly basis, be liable to furnish to Central Transmission</p>	<p>In view of the rationale provided here, it is requested to amend the provision regarding refund of additional CPG on fulfillment of Conditions Subsequent.</p> <p>Additional CPG shall be recovered for the non-fulfillment of Conditions Subsequent. However, this additional CPG is then forming part of CPG and is</p>	<p>This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.</p>

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
	Utility of India Limited (being the Nodal Agency) additional Contract Performance Guarantee of Rs. 2.73 Crore (Rupees Two Crore Seventy Three Lakh Only) within two (2) Business Days of expiry of every such Month. Such additional Contract Performance Guarantee shall be provided to Central Transmission Utility of India Limited (being the Nodal Agency) in the manner provided in Article 3.1.1 and shall become part of the Contract Performance Guarantee and all the provisions of this Agreement shall be construed accordingly. Central Transmission Utility of India Limited (being the Nodal Agency) shall be entitled to hold and / or invoke the Contract Performance Guarantee, including such additional Contract Performance Guarantee, in accordance with the provisions of this Agreement.	being retained by Nodal Agency. Considering the fact that additional CPG is consequential guarantee for performance related to condition subsequent, it is requested to review the provision and amend the provision to refund the additional CPG on fulfillment of Conditions Subsequent.	
72.	TSA, Clause 1.6.1.5 The TSP shall seek approval under Section 164 of Electricity Act, from CEA after acquisition of [Insert the name of the SPV], The approval shall be granted by CEA generally within 30 days but in no case later than 45 days from the date of receipt of application (complete in all aspects).	It is requested you to kindly clarify whether process of obtaining authorization U/s 164 of Electricity Act, 2003 would be initiated by BPC. It is suggested that BPC may initiate the process for obtaining approval U/s 164	Approval under Section 164 is in the scope of TSP. Please also refer Clause 2.5.6 (m) & 2.5.7 of the RFP document

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
		<p>based on the survey undertaken by BPC.</p> <p>It may be appreciated that obtaining approval U/s 164 takes considerable time. In the interest of timely completion of project, it is suggested that BPC may initiate the process U/s 164.</p>	
73.	TSA, Article 4.4 Extension of Time	<p>TSP is required to obtain certain clearances/ approval such as authorization u/s 164, Forest clearance, Grant of Transmission License and approval for adoption of tariff etc. In case if there is any delay in these approvals beyond stipulated time, such delay shall be considered for extension of SCOD of the project and any consequential increase in cost shall be allowed through appropriate adjustment in the tariff.</p> <p>Clearances/ approval such as authorization u/s 164, Forest clearance, Grant of Transmission License and approval for adoption of tariff are not within the control of TSP once it has</p>	This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
		been applied after fulfilling all the necessary compliance, any consequential delay is required to be allowed.	
74.	<p>TSA, Article 5.1.2</p> <p>The TSP acknowledges and agrees that it shall not be relieved from any of its obligations under this Agreement or be entitled to any extension of time or any compensation whatsoever by reason of the unsuitability of the Site or Transmission Line route(s).</p>	<p>TSP cannot be burdened with impact of unsuitability of the site or transmission line route due to reasons beyond control. Therefore, suitable revision may be carried out in clause 5.1.2.</p> <p>There may be number of reasons for unsuitability of the site or transmission line route which are beyond control of the TSP.</p> <p>For such instances, suitable extension of time and appropriate adjustment in tariff shall be provided.</p>	This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.
75.	<p>TSA, Article 5.6</p> <p>Site regulations and Construction Documents</p> <p>The TSP shall abide by the Safety Rules and Procedures as mentioned in Schedule 3 of this Agreement</p> <p>The TSP shall retain at the Site and make</p>	<p>Inspection of Construction drawings and other documents related to construction may be deleted from clause no. 5.6.</p> <p>Construction drawings and few specific documents may be proprietary/confidential and is against commercial</p>	This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
	available for inspection at all reasonable times copies of the Consents, Clearances and Permits, construction drawings and other documents related to construction.	interest of the TSP.	
76.	TSA, Article. 6.4.1 Liquidated Damages for Delay in achieving COD of Project by TSP.	If the TSP fails to achieve COD for any Element of the Project or for the Project by SCOD, then the TSP is required to pay liquidated damages. It is noted that, Clause 6.4.1 of the TSA does not exclude delays caused due to a Force Majeure or Nodal Agency's default. This may well be a drafting oversight and may be clarified. The TSP should also not be liable to pay liquidated damages in the event the delay is not attributable to the TSP. Accordingly, it may be clarified that no damages will be payable in the event the delay is on account of Force Majeure or Nodal Agency's default.	This is as per the Standard Bidding Documents. The provisions of TSA shall prevail
77.	TSA, Article 11.3 Force Majeure A 'Force Majeure' means any event or circumstance or combination of events and circumstances including those stated below that	Underlined text may be added under Article 11.3 : A 'Force Majeure' means any event or circumstance or combination of events	This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
	wholly or partly prevents or unavoidably delays an Affected Party in the performance of its obligations/ roles under this Agreement, but only if and to the extent that such events or circumstances are not within the reasonable control, directly or indirectly, of the Affected Party and could not have been avoided if the Affected Party had taken reasonable care or complied with Prudent Utility Practices:	and circumstances including those stated below that wholly or partly prevents or unavoidably delays an Affected Party or makes performance of obligation commercially unviable for the Affected Party in the performance of its obligations/ roles under this Agreement, but only if and to the extent that such events or circumstances are not within the reasonable control, directly or indirectly, of the Affected Party and could not have been avoided if the Affected Party had taken reasonable care or complied with Prudent Utility Practices:	
78.	<p><u>TSA & RFP,</u></p> <p><u>Provisions in TSA</u></p> <p><i>(Provision related to non fulfilment of condition subsequent)</i></p> <p>3.3.6</p> <p>The Nodal agency, on the failure of the TSP to fulfil its obligations, if it considers that there are sufficient grounds for so doing, apart from invoking the Contract Performance Guarantee</p>	<p>The blacklisting of TSP for a period of 5 years for default, failure to complete conditions subsequent & annulment of award, and for indefinite period for error in online and physical submission is onerous and harsh on TSP.</p> <p>TSP's event of default covers a lot of activities, and if TSP fails to comply with even one activity, TSP is at risk of getting blacklisted.</p>	This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
	<p>under para 3.3.3 may also initiate proceedings for blacklisting the TSP as per provisions of Article 13.2 of TSA.</p> <p><i>(Termination procedure for TSP event of default)</i></p> <p>13.2</p> <p>Further, the Nodal Agency may also initiate proceedings to blacklist the TSP & its Affiliates from participation in any RFP issued by BPCs for a period of 5 years.</p> <p><u>Provisions in RFP</u></p> <p><i>(Non fulfilment of Obligations by TSP post issuance of Lol and post acquisition of SPV)</i></p> <p>2.15.8</p> <p>The annulment of the award, under Clause 2.15.5 or 2.15.6 of this RFP, shall be sufficient grounds for blacklisting the bidder, whose award has been annulled, for a period of five years or more, as decided by the National Committee on Transmission, provided that the blacklisting shall be done only after giving the bidder an opportunity for showing cause.</p> <p><i>(Discrepancy in online and physical submission of</i></p>	<p>Further, TSA provides discretionary right to Nodal agency to decide whether TSP would be blacklisted.</p> <p>In case of discrepancy in submission, it is requested that BPC shall seek clarification from bidder and upon failure to provide clarification and complete investigation only, should construe such activity as fraudulent practice.</p> <p>Hence it is requested to include blacklisting only in extreme cases and provide definite guidelines on Nodal Agency's right to blacklist bidders. Also in RFP, blacklisting for annulment of project award would be done by government, while in other cases it would done by Nodal Agency. It is requested that blacklisting rights shall only reside with government.</p>	

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
	<p><i>selected bidder)</i></p> <p>3.6.1</p> <p>In case, there is a discrepancy between the online submission and physical documents, the bid would be out rightly rejected and the bidder shall be construed to have engaged in the fraudulent practice as defined in Clause 2.19.3 with consequences as mentioned in Clause 2.19.2. Further, in such a case, the provisions of Clause 2.5.6 (j) shall apply.</p>		
79.	<p>TSA, 13.3 Procedure for Nodal Agency's non-fulfilment of Role</p> <p>a. Upon the Nodal Agency not being able to fulfil its role under Article 4.2. the TSP may serve notice on the Nodal Agency, with a copy to CEA and the Lenders' Representative (a "TSP's Preliminary Notice"), which notice shall specify in reasonable detail the circumstances giving rise to such non-fulfillment of role by the Nodal Agency.</p>	<p>13.3 Procedure for Nodal Agency's non-fulfilment of Role</p> <p>a. Upon the Nodal Agency not being able to fulfil its role under Article 4.2. the TSP may serve TERMINATION notice on the Nodal Agency, with a copy to CEA and the Lenders' Representative (a "TSP's Preliminary Termination Notice").</p> <p>The contract clauses as per TSA favors the Nodal Agency. All the termination rights are provided to Nodal Agency and the agreement does not provide the</p>	<p>This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.</p>

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
		<p>other party (TSP) right to terminate in case of default of Nodal Agency.</p> <p>In absence of termination right, TSP is at risk commercially, if Nodal agency fails to fulfill its assigned responsibilities, for example failure of Nodal Agency to pay the quoted transmission charges.</p> <p>Also, the methodology for computation of compensation to TSP, in case of mutual agreement to terminate, should be defined upfront.</p>	
80.	<p>TSA,</p> <p>3.3.4 In case of inability of the TSP to fulfil the conditions specified in Article 3.1.3 due to any Force Majeure Event, the time period for fulfilment of the condition subsequent as mentioned in Article 3.1.3, may be extended for a period of such Force Majeure Event. Alternatively, if deemed necessary, this Agreement may be terminated by the Nodal Agency by giving a Termination Notice to the TSP, in writing, of at least seven (7) days, with a copy to CEA and the Lenders’ Representative in</p>	<p>3.3.4 In case of inability of the TSP to fulfil the conditions specified in Article 3.1.3 due to any Force Majeure Event, the time period for fulfilment of the condition subsequent as mentioned in Article 3.1.3, may be extended for a period of such Force Majeure Event.</p> <p><u>In case the Force Majeure Event continues even after a period of one hundred and eighty (180) days if deemed necessary, the Nodal Agency or TSP, upon mutual agreement may</u></p>	<p>This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.</p>

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
	<p>order to enable the Lenders to exercise right of substitution in accordance with Article 15.3 of this Agreement and the Contract Performance Guarantee shall be returned as per the provisions of Article 6.5.1.</p> <p>4.4.2 In the event that an Element or the Project cannot be commissioned by its Scheduled COD on account of any Force Majeure Event as per Article11, the Scheduled COD shall be extended, by a 'day to day' basis for a period of such Force Majeure Event. Alternatively, if deemed necessary, the Nodal Agency may terminate the Agreement as per the provisions of Article 13.4 by giving a Termination Notice to the TSP, in writing, of at least seven (7) days, with a copy to CEA and the Lenders' Representative in order to enable the Lenders to exercise right of substitution in accordance with Article 15.3 of this Agreement.</p> <p>13.4 Termination due to Force Majeure</p> <p>13.4.1 In case the Parties could not reach an agreement pursuant to Articles 3.3.4 and 4.4.2 of this Agreement and the Force Majeure Event</p>	<p>terminate the Agreement as per the provisions of Article 13.4 by giving a Termination Notice to the other party,</p> <p>in writing, of at least seven (7) days, with a copy to CEA and the Lenders' Representative in order to enable the Lenders to exercise right of substitution in accordance with Article 15.3 of this Agreement and the Contract Performance Guarantee shall be returned as per the provisions of Article 6.5.1.</p> <p>4.4.2 In the event that an Element or the Project cannot be commissioned by its Scheduled COD on account of any Force Majeure Event as per Article11, the Scheduled COD shall be extended, by a 'day to day' basis for a period of such Force Majeure Event.</p> <p><u>In case the Force Majeure Event continues even after a period of one hundred and eighty (180) days if deemed necessary, the Nodal Agency or TSP, upon mutual agreement may</u></p>	

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
	or its effects continue to be present, the Nodal Agency shall have the right to cause termination of the Agreement. In case of such termination, the Contract Performance Guarantee shall be returned to the TSP as per the provisions of Article 6.5.1.	<p>terminate the Agreement as per the provisions of Article 13.4 by giving a Termination Notice to the other party, in writing, of at least seven (7) days, with a copy to CEA and the Lenders' Representative in order to enable the Lenders to exercise right of substitution in accordance with Article 15.3 of this Agreement.</p> <p>In case of delay in SCOD due to FM event, the provision gives discretionary right to Nodal Agency to terminate TSA after occurrence of FM event. There should be gestation period of at least 6 months after start of FM event. Post completion of 6 months, both parties may decide to terminate the contract on mutual agreement. In case of FM, there should not be any unilateral right to terminate. Also, the methodology for computation of compensation to TSP, in case of mutual agreement to terminate, should be defined upfront.</p>	
81.	TSA, Clause 5.8	This is very stringent clause and provides for agreement termination at	This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
	<p>"Remedial Measures:</p> <p>The TSP shall take all necessary actions for remedying the shortfall in achievement of timely progress in execution of the Project, if any, as intimated by the Independent Engineer and/ or CEA and/ or the Nodal Agency. However, such intimation by the Independent Engineer and/ or CEA and/ or the Nodal Agency and the subsequent effect of such remedial measures carried out by the TSP shall not relieve the TSP of its obligations in the Agreement. Independent Engineer and/ or CEA and/ or the Nodal Agency may carry out random inspections during the Project execution, as and when deemed necessary by it. If the shortfalls as intimated to the TSP are not remedied to the satisfaction of the CEA and/ or the Nodal Agency, this Agreement may be terminated by the Nodal Agency by giving a Termination Notice to the TSP, in writing, of at least seven (7) days, with a copy to CEA and the Lenders' Representative in order to enable the Lenders to exercise right of substitution in accordance with Article 15.3 of this Agreement ."</p>	<p>the subjective discretion of Nodal Agency. Request to modify the clause as:</p> <p>..... If the shortfalls as intimated to the TSP are not remedied to the satisfaction of the CEA and/ or the Nodal Agency, it may refer the same to the Appropriate Commission for appropriate action.</p>	

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
82.	<p>TSA, 13.7 Termination Payment</p> <p>13.7.1 If Agreement is terminated on account of Force Majeure Events, no requirement of any Element or Project during Construction, Nodal Agency's non-fulfilment of Role & TSP's Event of Default, the TSP shall be entitled for Termination Payment equivalent to valuation of Project Assets. Upon payment, the Nodal Agency shall take over the Project Assets.</p>	<p>Guidelines on valuation of project assets conducted should be provided to ensure there is no ambiguity.</p> <p>Further if TSA is terminated during operating period of project, guidelines on valuation of assets in such event to be provided.</p>	<p>Valuation of project assets shall be done as per the prevailing industry practices.</p> <p>Please refer Clause No. 18.2.e. of TSA.</p>
83.	<p>TSA, 13.5 Termination or amendment due to non-requirement of any Element or Project during construction</p> <p>13.5.1 In case any Element or Project, which is under construction, is no longer required due to any reason whatsoever, the Nodal Agency may issue a notice to this effect to the TSP.</p> <p>13.5.2 Nodal agency may also issue notice to the TSP seeking their response to the proposed termination/ amendment (as the case may be) of the Agreement. The Nodal Agency shall issue copy of such notice to Lenders. In the notice, Nodal Agency shall also include an assessment of the physical progress made by TSP in the Element/ Project (as the case may be) that is no</p>	<p>Guidelines on amendment of TSA in case of non-requirement of any element during construction should be clearly specified, especially the treatment of Quoted Transmission Charges and capital cost of element no longer required.</p> <p>For example, if 50% construction of an element is completed and that element is not required, how would the TSP be compensated for the capital cost of the element.</p>	<p>Valuation of project assets shall be done as per the prevailing industry practices.</p> <p>Please refer Clause No. 18.2.e. of TSA.</p>

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
	<p>longer required.</p> <p>13.5.3 The TSP shall neither carry out further Investment nor carry out any work on the Element/ Project (as the case may be) that is no longer required after delivery of the notice.</p> <p>13.5.4 After taking into account the comments of the TSP, the Nodal Agency may terminate the Agreement or amend it if both Parties agree to the amendment.</p>		
84.	12. Change in Law	<p>Inclusion of change in acquisition price in Change in Law.</p> <p>As SPV acquisition price is part of capital cost of project, any change in Acquisition price after bidding would directly affect the bidder commercially and it is totally beyond the control of TSP. Hence, it is requested to kindly allow change in acquisition price under CIL event.</p>	The change in acquisition price to the extent as per Provisions under Clause No. 3.5 of Tariff Based Competitive Bidding Guidelines for Transmission Service issued on 10.08.2021 shall prevail.
85.	<p>TSA,</p> <p>D)The TSP has agreed to make an application for a Transmission License to the Commission for</p>	D)The TSP has agreed to make an application for a Transmission License to the Appropriate Commission for setting up the Project on build, own,	This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
	setting up the Project on build, own, operate and transfer basis.	<p>operate and maintain basis.</p> <p>As per revised TSA, asset to be transferred to Nodal agency post 35 years (BOOT). The assets created would be Financial assets instead of Fixed assets. Under IndAS accounting rules, depreciation of financial assets is not allowed.</p> <p>Further, TSP would be at risk of authorities levying 18% GST upfront on construction revenue recognized on COD. Higher taxation would impact the project economics eventually leading to higher tariff for the Consumers.</p> <p>Under BOOT model, asset condition may degrade towards end of concession period due to lack of incentive for developer to maintain the asset by incurring some capex.</p> <p>Hence it is requested to continue with the BOOM model.</p>	
86.	TSA, 5.5.6 For any delay in commissioning any critical Element(s), as identified in Schedule 1 &	5.5.6 For any delay in commissioning any critical Element(s), as identified in	This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
	<p>Schedule 2 of this Agreement, beyond a period of 45 days shall lead to a sequestration of 10% of the Contract Performance Guarantee.</p> <p>6.4.5 For avoidance of doubt, it is clarified that amount payable by TSP under this Article is over and above the penalty payable by TSP under Article 5.5.6 of this Agreement.</p>	<p>Schedule 1 & Schedule 2 of this Agreement, beyond a period of 6 months (as per clause 13.1.b) unless extended by Nodal Agency due to FM/CIL as per provisions of this agreement, shall lead to a sequestration of 10% of the Contract Performance Guarantee.</p> <p>Clause 13.1.b of TSA allows upto 6 months delay in commissioning of element after SCOD.</p> <p>10% sequestration clause does not cover any delay due FM or CIL event. If in case all the elements of projects are declared as “critical elements”, TSP is liable for 10% CPG sequestration. It is requested to kindly extend period beyond which CPG sequestration shall occur to 6 months.</p> <p>Further, TSP should not be made liable for LD payments on account of delay in project / element commissioning more than as identified under clauses 6.4.1 and 6.4.2</p>	

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
87.	<p>TSA</p> <p>AA- Actual Availability ; MTC- Monthly transmission charges; Tmn = transmission charges for month “m” in contract year “n”</p> <p>For incentive</p> <p>a. If $98\% < AA < 98.5\%$; $MTC = Tmn * 1$;</p> <p>b. If $98.5\% < AA < 99.75\%$;</p> <p>$MTC = Tmn * (AA / 98.5 \%)$;</p> <p>c. If $AA > 99.75\%$;</p> <p>$MTC = Tmn * (99.75 \% / 98.5 \%)$;</p>	<p><i>Incentive = $0.02 \times \text{Annual Transmission Charges} \times (\text{Actual Annual Availability} - \text{Target Availability})$</i></p> <p>Target Availability: AC -98% & HVDC - 95% <i>Incentive = $0.02 \times \text{Annual Transmission Charges} \times (\text{Actual Annual Availability} - \text{Target Availability})$</i></p> <p>Target Availability: AC -98% & HVDC - 95%</p> <p>The tariff for projects under TBCB has seen a reduction of 30%-50% as compared to RTM projects. The incentive for maintaining availability above target availability aids in increasing reliability of the transmission system. As the incentive is reduced as per revised provisions, developers may increase the Quoted tariffs to compensate which may result in increased cost of electricity to end consumer. Further there is no incentive for maintaining actual availability between 98% and 98.5%.</p> <p>Hence it is requested to continue with</p>	<p>This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.</p>

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
	<p><i>For Penalty</i></p> <p><i>d. If $95\% < AA < 98\%$</i></p> <p><i>$MTC = Tmn * (AA / 98\%);$</i></p> <p><i>e. If $AA < 95\%$</i></p> <p><i>$MTC = Tmn * (AA/98\%) - 0.02 * (Tmn * (AA/98\%))$</i></p>	existing provisions for penalty and incentive calculation.	
88.	<p>TSA, 3.3.4 Provided, that due to the provisions of Article 3.3.4, any increase in the time period for completion of conditions subsequent mentioned under Article 3.1 .3, shall lead to an equal increase in the time period for the Scheduled COD. If the Scheduled COD is extended beyond a period of one hundred eighty (180) days due to the provisions of this Article 3.3.4, the TSP will be allowed to recover the interest cost during construction corresponding to the period exceeding one hundred eighty (180) days by adjustment in the Transmission Charges in accordance with Schedule 9.</p>	<p>3.3.4 Provided, that due to the provisions of Article 3.3.4, any increase in the time period for completion of conditions subsequent mentioned under Article 3.1 .3, shall lead to an equal increase in the time period for the Scheduled COD. The TSP will be allowed to recover the interest cost during construction corresponding for the period of FM/CIL event by adjustment in the Transmission Charges in accordance with Schedule 9.</p> <p>In event of FM/CIL event, provisions under revised TSA do not provide for any adjustment in transmission charges for a period of 180 days. TSP is allowed</p>	This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
		<p>to recover interest cost during construction for period exceeding 180 days.</p> <p>As large portion (70%) of project cost is funded through debt, repayment of which does not start till COD, any delay in SCOD leads to higher interest built up. This severely affects the project economics of developer. Hence it is requested to allow for recovery of interest cost during construction for entire period of FM/CIL event.</p>	
89.	<p>TSA, 18. 1 The Nodal Agency shall appoint an agency/ company as Independent Engineer (IE).....</p> <p>Responsibilities of IE include progress monitoring, ensuring quality, determine costs of works/services, determine valuation of project assets, assist parties in dispute resolution.</p>	<p>It is requested to not appoint an external agency (Independent Engineer- IE) and the Nodal Agency to execute the functions such as progress monitoring, quality assurance, determination of works/services, valuation of projects assets.</p> <p>Any delay in appointment of IE would delay the project execution.</p> <p>Further addition of an external agency would also be an additional expense which would eventually result in tariff</p>	<p>Nodal Agency shall appoint the Independent Engineer as per the provisions of TSA.</p>

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
		increase.	
90.	3.1 Satisfaction of Conditions Subsequent by the TSP c. Execute this Agreement;	Since the execution of TSA will require coordination with the CTU, it is requested that the TSA be executed before project acquisition by the project SPV in the interest of saving time. This will also facilitate early completion of the project critical activities	As per revised TBCB Guidelines and SBDs issued by MOP, GoI, TSP on the date of acquisition of SPV from the BPC will enter into a Transmission Service Agreement (TSA) with the Nodal Agency.
91.	3.1.3 The TSP agrees and undertakes to duly perform and complete the following activities within six (6) months from the Effective Date To obtain the Transmission License for the Project from the Commission;	While the TSP will apply to the respective commission for grant of license, time required for the issuance is beyond the control of TSP once the application is made. We request to modify the clause suitably to incorporate the above.	This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.
92.	SPA, Clause 3.5 The Selected Bidder hereby acknowledges and agrees that after the date of acquisition of one hundred percent (100%) of the Shares of the Company by the Selected Bidder as per Clause 3.3, (a) the authority of the BPC in respect of the Bid Process shall forthwith cease and any actions to be taken thereafter regarding the Bid Process	We understand that acquisition price towards acquisition of one hundred percent (100%) of the equity shareholding of the Company, communicated to bidder would include all liabilities pertaining to SPV prior to closing date. Please confirm	The Acquisition Price includes all the assets and liabilities pertaining to SPV and details of the same will be intimated by the BPC as per the provisions of RFP.

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
	will be undertaken by the Central Transmission Utility of India Limited themselves, (b) all rights and obligations of the BPC shall cease forthwith, (c) all other rights and obligations of the Company shall be of the TSP and (d) any decisions taken by the BPC on behalf of the Company prior to the date of acquisition, shall continue to be binding on the Company and/or Central Transmission Utility of India Limited as the case may be.		

Additional Clarifications dated 10.07.2023 to RFP documents for Selection of Bidder as Transmission service provider to establish Inter State Transmission System for “Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part1) (Bikaner Complex): PART-B”. 440

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
1.	RFP 400kV Line Bay at Kotputli	We understand that in existing substation, for adjacent future bay, gantry/towers shall be suitable for extension. BPC to confirm.	Refer GA drawing (Drg No. C/ENGG-SS/NR-I/RTM/KOTPUTLI/EXT./GA/01) of Kotputli s/s where the tower type is marked up. Bidder is also advised to visit site as mentioned in clause B.5 of specific technical requirement of s/s of RfP.
2.	RFP 400kV Line Bay at Kotputli	it is understood that existing busbar protection have provision for future bays and also PUs are available for future bays. BPC to confirm.	Refer clause B.2.5 (d) of specific requirement of s/s.
3.	RFP 400kV Line Bay at Kotputli	For SCADA, it is understood that necessary process I/O shall be available for future bays and accordingly license for same. BPC to confirm.	Refer clause B.2.6 of specific requirement of s/s.
4.	RFP 400kV Line Bay at Kotputli	BPC to confirm the availability of AC & DC feeders in existing ACDB/DCDB for future bays.	Refer clause B.3.1 (v) of specific requirement of s/s.
5.	RFP 400kV Line Bay at Kotputli	We understand that existing equipment such as DG Set, LT Transformer, Battery & Battery charger have sufficient capacity to cater the requirements of bay under present scope of work, hence no need to consider new DG Set, LT Transformer, Battery & Battery charger in the existing substations. BPC to confirm the same.	It is clarified that new DG Set, LT Transformer, Battery & Battery charger in existing Kotputli substation is not envisaged as per RfP.
6.	RFP 400kV Line Bay at Kotputli	No separate FF system is envisaged under present scope of work. BPC to confirm.	Refer clause B.3.2 of specific requirement of s/s.
7.	Request-for-Proposal-RFP-PHASE-IV-PART-B-ITP-59 Page 144 of 158	TSP have not considered any land development activities like tree cutting, soil cutting / filling, levelling, internal road & drain construction, CPR kiosk in the extension area of PGCIL Kotputli S/S. Substation	Bidder may refer clause B.5 of specific technical requirement of s/s of RfP.

Additional Clarifications dated 10.07.2023 to RFP documents for Selection of Bidder as Transmission service provider to establish Inter State Transmission System for “Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part1) (Bikaner Complex): PART-B”.

441

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
	B.5.0 Extension of Existing substation B. 400kV Kotputli substation	infrastructure will be used for bay extension work. Also, TSP have considered extension of tower / gantries for bay extension work. No modification is envisaged. Kindly confirm that TSP understanding is correct. If no., kindly clarify scope of work for better understanding. Clarification required for better understanding of scope and cost estimation.	
8.	Request-for-Proposal-RFP-PHASE-IV-PART-B-ITP-59 Page 140 of 158 B.3.1 AC & DC power supplies For LT Supply at each new Substation, two (2) nos. of LT Transformers (minimum 800 kVA for substations with highest voltage rating as 765 kV) shall be provided out of which one shall be fed from two independent sources.	In reference to the recent TBCB project amendments, independent sources as per CEA (Technical Standards for Connectivity to the Grid) Regulations, 2007 were proposed for LT supply of new substation. Considering the above requirement, TSP to provide two independent sources for LT supply of new substation from proposed Auto Transformer tertiary winding. Kindly confirm that TSP understanding is correct. Clarification required for understanding RFP requirement and cost estimation.	Refer Amendment-1 dated 10.07.2023
9.	Request-for-Proposal-RFP-PHASE-IV-PART-B-ITP-59 Page 144 of 158 .5.0 Extension of Existing substation	BPC to confirm the availability of AC & DC feeders in existing ACDB/DCDB for future bays at Kotputli substation Clarification required for understanding RFP requirement and cost estimation.	Refer reply at Sr. No. 4 above.

Additional Clarifications dated 10.07.2023 to RFP documents for Selection of Bidder as Transmission service provider to establish Inter State Transmission System for “Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part1) (Bikaner Complex): PART-B”. 442

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
	B. 400kV Kotputli substation		
10.	Request-for-Proposal-RFP-PHASE-IV-PART-B-ITP-59 Page 144 of 158 B.5.0 Extension of Existing substation B. 400kV Kotputli substation	We understand that existing equipment such as DG Set, LT Transformer, Battery & Battery charger have sufficient capacity to cater the requirements of bay under present scope of work, hence no need to consider new DG Set, LT Transformer, Battery & Battery charger in the existing substations. Kindly confirm TSP understanding is correct. Clarification required for understanding RFP requirement and cost estimation	Refer reply at Sr. No. 5 above.
11.	Request-for-Proposal-RFP-PHASE-IV-PART-B-ITP-59 Page 144 of 158 B.5.0 Extension of Existing substation B. 400kV Kotputli substation	We understand that no separate FF system is envisaged under present scope of work. TSP extend the existing system only. Kindly confirm TSP understanding is correct. Clarification required for understanding RFP requirement and cost estimation.	Refer reply at Sr. No. 6 above.
12.	Request-for-Proposal-RFP-PHASE-IV-PART-B-ITP-59 Page 144 of 158 B.5.0 Extension of Existing substation B. 400kV Kotputli substation	We understand that substation main earthing grid is available for bay extension work. Thereby, necessary equipment earthing and its connection to main earth grid is envisaged under present scope. Kindly confirm TSP understanding is correct. Clarification required for understanding RFP requirement and cost estimation.	Bidder may refer clause B.5 of specific technical requirement of s/s of RfP. Further, all development works necessary for bay extension work (as per scope in the RfP) shall be in the scope of successful bidder.
13.	Request-for-Proposal-RFP-PHASE-IV-PART-B-ITP-59 Page 144 of 158 B.5.0 Extension of Existing substation	No Drain, Cable trench, Internal Road, fencing considered in present scope of work. Existing substation infrastructure to be used for bay extension work. Kindly confirm TSP understanding is correct.	Bidder may refer clause B.5 of specific technical requirement of s/s of RfP. Further, all development works necessary for bay extension work (as per scope in the RfP) shall be in the scope of successful bidder.

Additional Clarifications dated 10.07.2023 to RFP documents for Selection of Bidder as Transmission service provider to establish Inter State Transmission System for “Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part1) (Bikaner Complex): PART-B”. **443**

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
	B. 400kV Kotputli substation	Clarification required for understanding RFP requirement and cost estimation.	
14.	Request-for-Proposal-RFP-PHASE-IV-PART-B-ITP-59 Page 144 of 158 .5.0 Extension of Existing substation B. 400kV Kotputli substation	We understand that there are adequate provisions in the existing Fire Fighting Annunciation Panel to integrate the Fire alarm signals associated with the bay extension work. Kindly confirm TSP understanding is correct. Clarification required for understanding RFP requirement and cost estimation.	Bidder may refer clause B.5 of specific technical requirement of s/s of RfP. All necessary upgradation required for the present scope of work shall be under the scope of successful bidder.
15.	Request-for-Proposal-RFP-PHASE-IV-PART-B-ITP-59 Page 144 of 158 B.5.0 Extension of Existing substation B. 400kV Kotputli substation	We understand that only relay co-ordination updating is in the scope of TSP. Any kind of hardware upgradation shall be in existing owner scope for existing facilities. Kindly confirm. Clarification required for understanding RFP requirement and cost estimation.	All necessary upgradation required for the present scope of work shall be under the scope of successful bidder.
16.	Request-for-Proposal-RFP-PHASE-IV-PART-B-ITP-59 General	Please provide maps of proposed solar parks and Wind farms near proposed Neemrana II substation. For finalizing line routes for proposed transmission lines.	Bidders are advised to visit the site and ascertain the requisite data before submission of bid. Further, Bidder may refer clause no. 2.5.7.
17.	Request-for-Proposal-RFP-PHASE-IV-PART-B-ITP-59 General	As per the survey report, the land area for the substation is 150 acre. BPC to confirm whether TSP to acquire the entire land parcel or it can be acquired in any size as per the actual layout requirement. Clarification required for understanding RFP requirement and cost estimation.	It is bidder's responsibility to acquire the land required for the development of substation as per the complete scope of work in RFP.
18.	Request-for-Proposal-RFP-PHASE-IV-PART-B-ITP-59 Page 144 of 158	Kindly provide the following documents and drawings for Kotputli substation so that bidder can prepare cost estimation:	Make and model of existing FOTE at Kotputli S/s is Tejas TJ1400, STM-16, Documents and drawings of FOTE may be collected by TSP during detailed

Additional Clarifications dated 10.07.2023 to RFP documents for Selection of Bidder as Transmission service provider to establish Inter State Transmission System for “Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part1) (Bikaner Complex): PART-B”. 444

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
	B.5.0 Extension of Existing substation	<p>Earthing layout</p> <p>Cable trench layout</p> <p>Overall Foundation layout drawing</p> <p>Firefighting layout</p> <p>Illumination layout</p> <p>Control room building drawing with panel arrangement layout</p> <p>Drawing of bus bar protection system along with Make / Model</p> <p>Architecture drawings of SAS along with Make / Model</p> <p>Communication system including FOTE, Analog & Digital PLCC</p> <p>Architecture drawings of Visual Monitoring system along with Make / Model</p> <p>Soil test report & ERT report</p> <p>Clarification required for understanding RFP requirement and cost estimation.</p>	<p>survey from existing Kotputli substation owner.</p> <p>For Earthing layout, Cable trench layout, Overall Foundation layout drawing, Firefighting layout, Illumination layout, Control room building drawing with panel arrangement layout, Architecture drawings of SAS , Analog & Digital PLCC, Architecture drawings of Visual Monitoring system and Soil test report & ERT report, bidders are requested to visit s/s site.</p> <p>Further, bidders may refer clause B.5 of specific technical requirement of s/s of RfP.</p>
19.	<p>Request-for-Proposal-RFP-PHASE-IV-PART-B-ITP-59</p> <p>Page 145 of 158</p> <p>C2.0 LILO of both circuits of 400kV Gurgaon (PG) and Sohna road (GPTL)</p>	<p>Kindly provide the make and model of Analog and Digital PLCC at 400kV Gurgaon (PG) and Sohna road (GPTL) for 400kV Gurgaon (PG) - Sohna road (GPTL)</p> <p>Clarification required for understanding RFP requirement and cost estimation.</p>	<p>Analog PLCC:</p> <p>Make: ABB, Model: ETL41 NSD50</p> <p>Also, bidders are advised to visit s/s site to acquaint themselves.</p>

**RFP documents for selection of Transmission Service Provider through tariff based competitive bidding process to establish transmission system for
“Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): PART- B”**

S. No.	Existing Provisions	Revised Provisions																																								
1.	<p>RFP, Specific Technical Requirements for Substation</p> <p>Clause No. B.5.0 EXTENSION OF EXISTING SUBSTATION</p> <p>The following drawings/details of existing substation is attached with the RFP documents for further engineering by the bidder</p> <table><tr><th>Sl. No.</th><th>Drawing Title</th><th>Drawing No./Details</th><th>Rev. No.</th></tr><tr><td>B.</td><td colspan="3">400kV Kotputli -II S/s</td></tr><tr><td>1.0</td><td>Single Line Diagram</td><td></td><td></td></tr><tr><td>2.0</td><td>General Arrangement</td><td></td><td></td></tr><tr><td>3.0</td><td>.....</td><td></td><td></td></tr></table>	Sl. No.	Drawing Title	Drawing No./Details	Rev. No.	B.	400kV Kotputli -II S/s			1.0	Single Line Diagram			2.0	General Arrangement			3.0			<p>RFP, Specific Technical Requirements for Substation</p> <p>Clause No. B.5.0 EXTENSION OF EXISTING SUBSTATION</p> <p>The following drawings/details of existing substation is attached with the RFP documents for further engineering by the bidder</p> <table><tr><th>Sl. No.</th><th>Drawing Title</th><th>Drawing No./Details</th><th>Rev. No.</th></tr><tr><td>B.</td><td colspan="3">400kV Kotputli -II S/s</td></tr><tr><td>1.0</td><td>Single Line Diagram</td><td>C/ENGG-SS/NR-I/RTM/KOTPUTLI/EXT./SLD/01</td><td></td></tr><tr><td>2.0</td><td>General Arrangement</td><td>/ENGG-SS/NR-I/RTM/KOTPUTLI/EXT./GA/01</td><td></td></tr><tr><td>3.0</td><td>.....</td><td>.....</td><td></td></tr></table>	Sl. No.	Drawing Title	Drawing No./Details	Rev. No.	B.	400kV Kotputli -II S/s			1.0	Single Line Diagram	C/ENGG-SS/NR-I/RTM/KOTPUTLI/EXT./SLD/01		2.0	General Arrangement	/ENGG-SS/NR-I/RTM/KOTPUTLI/EXT./GA/01		3.0	
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2.	<p>B.3.1 AC & DC power supplies</p> <p>For LT Supply at each new Substation, two (2) nos. of LT Transformers (minimum 800 kVA for substations with highest voltage rating as 765 kV) shall be provided out of which one shall be fed from two independent sources.</p>	<p>B.3.1 AC & DC power supplies</p> <p>For LT Supply at each new Substation, two (2) nos. of auxiliary Transformers (minimum 800kVA for substations with highest voltage rating as 765kV) shall be provided from two independent sources as per the CEA (Technical Standards for Connectivity to the Grid) Regulations, 2007</p>																																								
3.	<p>All the relevant clauses of RFP, TSA and SPA</p> <p>“SPV [which is under incorporation]”</p>	<p>All the relevant clauses of RFP, TSA and SPA</p> <p>“SPV [which is under incorporation]” in the subject RFP, TSA and SPA may be read as “NEEMRANA II KOTPUTLI TRANSMISSION LIMITED”</p>																																								

S. No.	Existing Provisions	Revised Provisions
4.	<p>Clause No. 1.6.1.1 of RFP</p> <p>Establishment, operation and maintenance of the Project on build, own, operate and transfer basis and completion of all the activities for the Project, including survey, detailed project report formulation, arranging finance, project management, necessary Consents, Clearances and Permits (way leave, environment & forest, civil aviation, railway/ road/river/canal/power crossing/PTCC, etc.), land compensation, design, engineering, equipment, material, construction, erection, testing & commissioning.</p> <p>Further, the actual location of substations, switching stations or HVDC terminal or inverter stations in the scope of TSP shall not be beyond 3 Km radius of the location proposed by the BPC in the survey report.</p>	<p>Clause No. 1.6.1.1 of RFP</p> <p>Establishment, operation and maintenance of the Project on build, own, operate and transfer basis and completion of all the activities for the Project, including survey, detailed project report formulation, arranging finance, project management, necessary Consents, Clearances and Permits (way leave, environment & forest, civil aviation, railway/ road/river/canal/power crossing/PTCC, etc.), land compensation, design, engineering, equipment, material, construction, erection, testing & commissioning.</p> <p>Further, the actual location of Greenfield substations (Switching Stations or HVDC Terminal or Inverter Stations) for a generation pooling substation and for load serving substations in the scope of TSP shall not be beyond 3 Km radius of the location proposed by the BPC in the survey report. However, actual location of any Greenfield intermediate Substations in the scope of TSP shall not be beyond 10 Km radius of the location proposed by the BPC in the Survey Report.</p>
5.	<p>Para 5.1.4 (a) of TSA</p> <p>The TSP shall be responsible for:</p> <p>(a) acquisition of land for location specific substations, switching stations or HVDC terminal or inverter stations. Also, the actual location of substations, switching stations or HVDC terminal or inverter stations shall not be beyond 3 Km radius of the location proposed by the BPC in the survey report;</p>	<p>Para 5.1.4 (a) of TSA</p> <p>The TSP shall be responsible for:</p> <p>(a) acquisition of land for location specific substations, switching stations or HVDC terminal or inverter stations. Also, the actual location of Greenfield substations (Switching Stations or HVDC Terminal or Inverter Stations) for a generation pooling substation and for load serving substations in the scope of TSP shall not be beyond 3 Km radius of the location proposed by the BPC in the survey report. However, actual location of any Greenfield intermediate Substations in the scope of TSP shall not be beyond 10 Km radius of the location proposed by the BPC in the Survey Report.</p>

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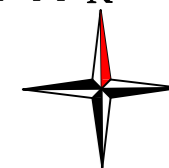
LEGEND:- 400kV

SL. No.	LEGEND	ITEM DESCRIPTION
1		315MVA, 400/220/33kV, ONAN/ONAF/OFAP, YN, d0, 411, AUTO TRANSFORMER WITH NCT (OWNER SUPPLIED)
2		420kV, 2000A, 40kA/1Sec., SF6 CIRCUIT BREAKER
3		420kV, 2000A, 40kA/1Sec., HDB ISOLATOR WITH ONE ES
4		420kV, 2000A, 40kA/1Sec., HDB ISOLATOR WITH TWO ES (Tag: 404 89A & 406 89B)
5		420kV, 40kA/1Sec., 2000-1000-500/1A, 5 CORE, CURRENT TRANSFORMER WITH 120% EXTENDED CURRENT RATING
6		336kV, 10kA, GAPLESS LIGHTNING ARRESTER ALONG WITH DISCHARGE COUNTER
7		420kV, 400kV/110V, 110V/110V, .8800pf. CAPACITIVE VOLTAGE TRANSFORMER
8		400kV, 2000A, 1.0mH, WAVE TRAP
9		80MVAR BUS REACTOR (OWNER SUPPLIED)

LEGEND:- 220kV

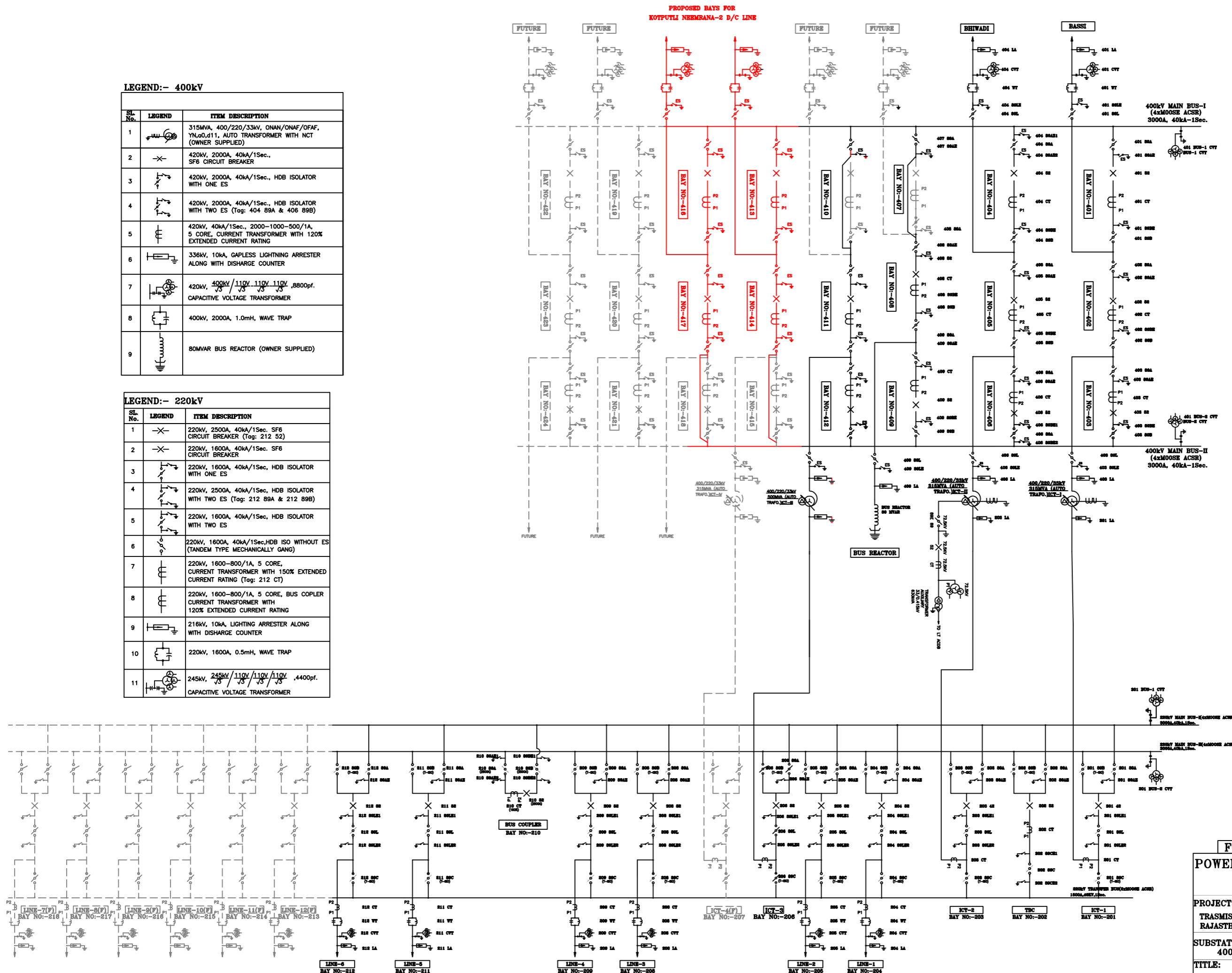
SL. No.	LEGEND	ITEM DESCRIPTION
1		220kV, 2500A, 40kA/1Sec. SF6 CIRCUIT BREAKER (Tag: 212 52)
2		220kV, 1600A, 40kA/1Sec. SF6 CIRCUIT BREAKER
3		220kV, 1600A, 40kA/1Sec, HDB ISOLATOR WITH ONE ES
4		220kV, 2500A, 40kA/1Sec, HDB ISOLATOR WITH TWO ES (Tag: 212 89A & 212 89B)
5		220kV, 1600A, 40kA/1Sec, HDB ISOLATOR WITH TWO ES
6		220kV, 1600A, 40kA/1Sec, HDB ISO WITHOUT ES (TANDEM TYPE MECHANICALLY GANG)
7		220kV, 1600-800/1A, 5 CORE, CURRENT TRANSFORMER WITH 150% EXTENDED CURRENT RATING (Tag: 212 CT)
8		220kV, 1600-800/1A, 5 CORE, BUS COPLER CURRENT TRANSFORMER WITH 120% EXTENDED CURRENT RATING
9		216kV, 10kA, LIGHTING ARRESTER ALONG WITH DISCHARGE COUNTER
10		220kV, 1600A, 0.5mH, WAVE TRAP
11		245kV, 245kV/110V, 110V/110V, .4400pf. CAPACITIVE VOLTAGE TRANSFORMER

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LEGEND:-

	PRESENT SCOPE OF WORK
	EXISTING SCOPE
	FUTURE



FOR TENDER PURPOSE

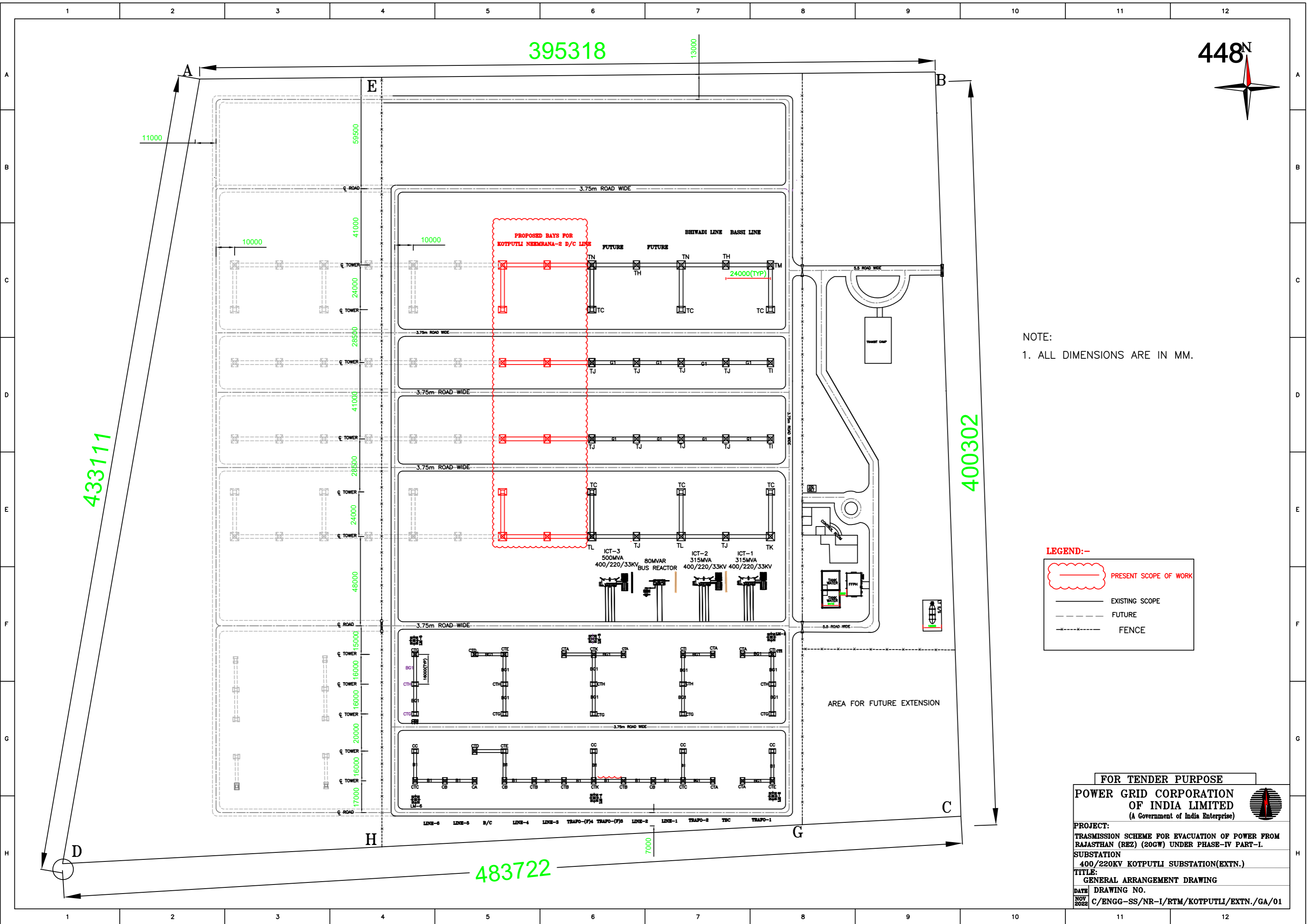
POWER GRID CORPORATION OF INDIA LIMITED
(A Government of India Enterprise)

PROJECT:
TRANSMISSION SCHEME FOR EVACUATION OF POWER FROM RAJASTHAN (REZ) (20GW) UNDER PHASE-IV PART-I.

SUBSTATION
400/220KV KOTPUTLI SUBSTATION(EXTN.)

TITLE: SINGLE LINE DIAGRAM

DATE: DEC 2022
DRAWING NO. C/ENGG-SS/NR-1/RTM/KOTPUTLI/EXTN./SLD/01



NOTE:
1. ALL DIMENSIONS ARE IN MM.

LEGEND:-

- PRESENT SCOPE OF WORK
- EXISTING SCOPE
- - - FUTURE
- x - x - FENCE

FOR TENDER PURPOSE

POWER GRID CORPORATION OF INDIA LIMITED
(A Government of India Enterprise)

PROJECT:
TRANSMISSION SCHEME FOR EVACUATION OF POWER FROM RAJASTHAN (REZ) (20GW) UNDER PHASE-IV PART-I.

SUBSTATION
400/220KV KOTPUTLI SUBSTATION(EXTN.)

TITLE:
GENERAL ARRANGEMENT DRAWING

DRAWING NO.
C/ENGG-SS/NR-1/RTM/KOTPUTLI/EXTN./GA/01

DATE
NOV 2022

PFC CONSULTING LIMITED
(A wholly owned subsidiary of PFC Ltd.)

Subject: Notice for extension of RFP bid submission for the Independent Transmission Project (ITP) "Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex)- Part-B".

The due date for submission of online RFP bids (Technical & Financial) through the electronic bidding platform for the subject project has been extended from July 13, 2023 till 15:00 hrs (IST) to **August 03, 2023 till 15:00 hrs (IST)**. The RFP (Technical) Bids will be opened on same day i.e. **August 03, 2023 at 15:30 hrs (IST)**.

PFC Consulting Limited

Addl. Clarifications dated 05.09.2023 to RFP documents for Selection of Bidder as Transmission service provider to establish Inter State Transmission System for “Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part1) (Bikaner Complex): PART-B” **450**

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
1.	RFP General	BPC is requested to furnish following documents with reference to Kotputli SS: 1. GA Drawing 2. Single line Diagram 3. Earthmat layout. With present scope of work and allocated space properly marked. Bidder needs the information for proper estimation	For GA & SLD of Kotputli s/s refer Amendment No. 1 dated 10.07.2023. Regrading earthmat layout, refer clause B.5 of specific technical requirement of s/s, where it is mentioned that bidder is requested to visit s/s site to acquaint theme self. Also, developer of Kotputli s/s informed that earthmat extension is required for work under present scope.
2.	RFP General	We understand that at existing S/S i.e., Kotputli, existing Fire-fighting system, battery and battery charger have sufficient capacity for the extension works under present scope. Please confirm. Bidder needs the information for proper estimation	It is envisaged that existing Fire-fighting system, battery and battery charger have sufficient capacity for the extension works under present scope.
3.	RFP General	BPC is requested to confirm the availability of space in existing control room at Kotputli for the extension work under present scope. Bidder needs the information for proper estimation	Switchyard panel room is envisaged as per RfP. Further, as per clause B.5 of specific requirement, bidder is advised to visit s/s site to ascertain the available space in existing control room.
4.	RFP General	We understand that at Kotputli SS there is space available in ACDB and DCDB panels for present scope of work. Please confirm. Bidder needs the information for proper estimation	Refer clause B.3.1 of specific technical requirement of s/s. Further, as per clause B.5 of specific requirement, bidder is advised to visit s/s site to ascertain the required information.

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
5.	RFP General	<p>It is requested to BPC to provide the following additional information & drawings for Kotputli Sub-station.</p> <ol style="list-style-type: none"> 1) Existing SDH equipment type, make & mode. 2) Please confirm availability of optical direction existing SDH equipment for present project link. 3) Cable trench layout. 4) Soil test report. 5) Marked 765KV Line Bay take-off gantry location for termination of Neemrana 400 kV D/c line. 6) Availability of AC & DC Feeders in LT boards. <p>Bidder needs the information for proper estimation</p>	<p>1) Make and model of existing FOTE at Kotputli S/s is Tejas TJ1400, STM-16, Documents and drawings of FOTE may be collected by TSP during detailed survey from existing Kotputli substation owner.</p> <p>2. TSP to provide the FOTE at their bay Kiosk at Kotputli S/s and optically patch with existing FOTE at control room. In case spare optical direction is not available in the existing FOTE at the control room, the TSP shall coordinate with station owner to reconfigure the directions in existing FOTE at control room.</p> <p><u>3, 4 & 5 :</u> For cable trench, soil test report, line bay take off gantry location: refer clause B.5 of specific technical requirement of s/s.</p> <p>6. Refer clause B.3.1 of specific technical requirement of s/s</p>
6.	RFP General	<p>As O&M of substation bays are also responsibility of TSP, so we understand TSP can do the operation & maintenance of their scope of bays by their own staff without any charges paid to existing substation owner (Applicable for Kotputli SS). Alternatively, TSP can get the O&M done by existing station owner in amicable agreed rate with existing station owner.</p> <p>BPC to confirm our understanding.</p>	<p>Regarding O&M, CEA's "Operation and Maintenance (O&M) guidelines and Standard Format for Memorandum of Understanding between New TSP and Existing TSP" issued by CEA vide its letter No. I/28514/2023 dated 22.06.2023 to be followed. Copy of the guideline is available on CEA website at following link:</p>

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
		Bidder needs the information for proper estimation	https://cea.nic.in/wp-content/uploads/pse_td/2023/06/om_guidelines.pdf
7.	RFP General	BPC may kindly confirm availability of communication ports for integrating new PUs with the existing CUs at existing S/S (Kotputli). Bidder needs the information for proper estimation	Refer clause B.5 of specific technical requirement of s/s.
8.	RFP General	We understand TSP has to follow RFP requirement only. Existing station (at Kotputli) owner practice and requirement is not binding on TSP. Bidder needs the information for proper estimation	TSP has to follow the provisions of RFP Document. In case of any interconnection of the equipments, bidders are requested to coordinate with substation owner.
9.	RFP General	It has been observed during past projects, existing substation owners does not agree for mutual contracts wherein TSP can be allowed to do the O&M themselves. Existing substation owner ask the TSP to execute a contract, where O&M charges (for bay extension work) as per CERC norms must be paid by TSP. Payment on CERC norms (by TSP) for bay ext. works is very high, whereas for existing substation owner the cost for the O&M of additional bays (The scope under ext.) is very less. It also creates a huge gap in estimation during the bid process for all other bidders as compared to owner of the substation. We request BPC to allow the TSP to perform O&M of the bays themselves only by their own staff without any charges paid to	Regarding O&M, CEA's "Operation and Maintenance (O&M) guidelines and Standard Format for Memorandum of Understanding between New TSP and Existing TSP" issued by CEA vide its letter No. I/28514/2023 dated 22.06.2023 to be followed. Copy of the guideline is available on CEA website at following link: https://cea.nic.in/wp-content/uploads/pse_td/2023/06/om_guidelines.pdf

Addl. Clarifications dated 05.09.2023 to RFP documents for Selection of Bidder as Transmission service provider to establish Inter State Transmission System for “Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part1) (Bikaner Complex): PART-B” **453**

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
		existing substation owner. (Applicable for Kotputli SS). Bidder needs the information for proper estimation	
10.	RFP Request for Proposal Notification, Disclaimer This RFP may be withdrawn or cancelled by the BPC at any time without assigning any reasons thereof. BPC further reserves the right, at its complete discretion to reject any or all of the Bids without assigning any reasons whatsoever.”	We would like to mention that it will be unreasonable on part of BPC to reject a bid without assigning any reason. Since the BPC can be construed as ‘state’ under the Constitution, conduct of BPC ought to have transparent and as such BPC cannot take any decision without assigning proper reason/ justification. Bidder needs the information for proper estimation	This is as per the Standard Bidding Documents. The provisions of RFP shall prevail.
11.	RFP RFP Notification, point 2: Note (ii) POWERGRID to provide space for 2 nos. of 400 kV line bays at Kotputli S/s.	BPC to please clarify under what binding arrangement or agreement is the developer of the Kotputli Substation obligated to provide 2 nos. of 400 kV line bays at Kotputli? BPC to share a copy of the binding document or agreement (mentioning timeline of providing bays and space for reactors to TSP) agreed by Kotputli Substation Developer. Bidder needs information for proper estimation.	As per the Note of clause 1.2 of scope of work, it is amply clear that the PGCIL shall provide the space for bays works at Kotputli S/s. Bidders are advised to coordinate with substation owner.
12.	RFP RFP Notification, point 2: Note (ii) POWERGRID to provide space for 2 nos. of 400 kV line bays at Kotputli S/s.	BPC to please clarify whether the Developer of Kotputli Substation shall provide the space for 2 nos. of 400 kV line bays at Kotputli Substation, without any charges to the TSP. Bidder needs information for proper estimation.	Cost of space for the extension work at Kotputli S/S is not envisaged under present scope of work.

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
13.	RFP RFP Notification, point 2: Note (ii) POWERGRID to provide space for 2 nos. of 400 kV line bays at Kotputli S/s.	In case of any delay on the part of the Developer of Kotputli Substation in providing the space for 2 nos. of 400 kV line bays at Kotputli S/s, we presume that suitable extension of SCOD and reimbursement of the cost will be provided to the selected Bidder under suitable clauses of TSA. Please confirm. Bidder needs information for proper estimation.	As per the Note of clause 1.2 of scope of work, it is amply clear that the PGCIL shall provide the space for bays works at Kotputli S/s. Bidders are advised to coordinate with substation owner.
14.	RFP Definition: Conflict of Interest” A Bidder shall be considered to be in a Conflict of Interest with one or more Bidders in the same bidding process if they have a relationship with each other, directly or through a common company, that puts them in a position to have access to information about or influence the Bid of another Bidder	It needs to be noted that this definition is vague and wide in as much as it only requires that an entity is able to have access; it is immaterial whether information was accessed or not, just the fact that a party is in a position to access information or influence bid of another party is enough. As far as this aspect is concerned, this definition should be amended. This should further cover any conflict-of-interest situation between the BPC and any of the bidder Bidder needs the information for proper estimation	This is as per the Standard Bidding Documents. The provisions of RFP shall prevail.
15.	RFP Definitions: Transmission Service Agreement” or “TSA” shall mean the agreement entered into between Nodal Agency and the TSP, pursuant to which the TSP shall build, own, operate and transfer the Project and make	As per the bidding documents TSA shall be signed between Nodal agency and TSP only. We request BPC to clarify role of Designated ISTS Customers and linkage of Designated ISTS Customers to TSA. Bidder needs the information for proper estimation.	This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
	available the assets of the Project on a commercial basis.		
16.	RFP Scope of Work S no.3	As part of Scope of Work pertaining to Project, 2 nos. of line bays need to be constructed at Kotputli. Therefore, BPC is requested to provide Geo technical Investigation report of existing substations at Kotputli. Bidder needs information for proper estimation.	As per clause B.5 of specific requirement, bidder is advised to visit s/s site to ascertain the required information.
17.	RFP i. Scope of Work S no.4 LILO OF BOTH CKTS OF 400 KV GURGAON (PG) - SOHNA ROAD (GPTL) D/C LINE (QUAD) AT NEEMRANA-II S/S-LOOP IN and LOOP OUT Survey Report	As per the Survey report two nos. of D/C line is mentioned. Whether we can construct the line using multi circuit arrangement. BPC is requested to clarify the same. Bidder needs information for proper estimation.	Multi circuit arrangement may be considered by the TSP.
18.	RFP i. Scope of Work S no.4 LILO OF BOTH CKTS OF 400 KV GURGAON (PG) - SOHNA ROAD (GPTL) D/C LINE (QUAD) AT NEEMRANA-II S/S-LOOP IN and LOOP OUT	Due to presence of multiple powerlines crossings in the vicinity of LILO point, necessary technical criteria i.e crossing angle, falling distance, Electrical clearances etc. for the proposed route is difficult to maintain. BPC is requested to clarify whether bidder can choose different LILO point. Bidder needs the information for proper estimation.	The LILO point provided in the survey report is tentative in nature and bidder in coordination with owner of the transmission line can optimise the LILO point.
19.	RFP Clause 1.2 Scope of work 330 MVar Bus Reactor-2 nos. (7x110 MVar, including one spare unit)	We understand that 1 no of 110MVar spare reactor provided for bus reactor at Neemrana-II S/S is to be utilized for Bikaner-III – Neemrana-II switchable line reactor proposed under the “ Transmission system ”	Refer reply at Sr. No. 54 of 1 st set of clarifications dated 23.05.2023.

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
	765 kV, 330 MVAr switchable line reactors at Bikaner-III PS – 2 nos.	<i>for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): PART-A”</i> at Neemrana-II end as well. Hence the spare reactor provided shall have associated Circuit Breaker with it. Please confirm. Bidder needs the information for proper estimation	
20.	RFP Clause 1.2 Notes (ii) POWERGRID to provide space for 2 nos. of 400 kV line bays at Kotputli S/s.	We understand that the mentioned space for the extension work at Kotputli SS will be made available to TSP at free of cost. Please confirm. Bidder needs the information for proper estimation	Cost of space for the extension work at Kotputli S/S is not envisaged under present scope of work.
21.	RFP RFP, section-1, Clause 1.5, Para 3 “The TSP shall ensure transfer of all project assets along with substation land, right of way and clearances to CTU or its successors or an agency as decided by the Central Government after 35 years from COD of project at zero cost and free from any encumbrance and liability. The transfer shall be completed within 90 days after 35 years from COD of project failing which CTU shall be entitled to take over the project assets Suo moto”.	1) Please note that there is no clarity about the liability of the TSP post Transfer of asset. We request BPC to define the process of Transfer. 2) As the project is BOOT basis, we request BPC to provide Transfer Agreement for bidder’s review and assessment. 3) As the project is BOOT basis, what will be the Liability of TSP in case of any Default post Transfer to CTU. 4) As per the RFP, the transfer shall be completed within 90 days after 35 years from COD of project failing which CTU shall be entitled to take over the project assets Suo moto. We request BPC to confirm whether the Project is required to be given on as is where is basis or if CTU can ask for certain refurbishments to be	1. In instant case, the project assets along with substation land, right of way and clearances shall be transferred to CTUIL or its successors or an agency as decided by the Central Government after 35 years from COD of project at zero cost and free from any encumbrance and liability and no elaborate process is required to be laid down. Further, other issues, if any, shall be dealt as per prevailing laws & regulations. 2. Transfer Agreement, if required, may be mutually agreed between the parties at that point of time. 3. In case there is any liability due to an event that has occurred prior to transfer of project assets same shall have to be discharged by TSP.

Addl. Clarifications dated 05.09.2023 to RFP documents for Selection of Bidder as Transmission service provider to establish Inter State Transmission System for “Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part1) (Bikaner Complex): PART-B” **457**

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
		<p>done?</p> <p>It is requested to BPC to confirm will there be an obligation of the TSP to obtain re obtain the clearance at the time of Transfer, in case of NHAI, Road, Highways etc.</p> <p>Bidder needs the information for proper estimation</p>	<p>4. The project assets will be transferred in working condition subject to observations of CTUIL in the examination to be carried out three (3) years prior to the expiry of the project to assess the need of upgradation of the system or renovation and modernization of the existing system.</p> <p>5. Project Assets including ‘applicable permits and authorisations relating to or in respect of the Transmission System’ shall be transferred.</p>
22.	<p>RFP</p> <p>RFP, Section-2 Clause no. 1.6.1.5 – Grant of Section 164 Approval - The TSP shall seek approval under Section 164 of Electricity Act, from CEA after acquisition of ER NER Transmission Limited. The approval shall be granted by CEA generally within 30 days but in no case later than 45 days from the date of receipt of application (complete in all aspects).</p>	<p>We request BPC to confirm that in case of delay in grant of section 164 approval beyond 45 days by CEA, will this qualify as Force Majeure (FM) event under TSA, and we can get relief as per TSA.</p> <p>Bidder needs the information for proper estimation</p>	<p>This is as per the Standard Bidding Documents. The provisions of RFP shall prevail.</p>
23.	<p>RFP</p> <p>Annexure-B, Clause 3.3 provides that “the Bidder shall disclose the name and address of agents and representatives and Indian Bidder shall disclose their foreign principals</p>	<p>BPC is requested to clarify the rationale for having this clause? We understand that The Bidder is free to engage any consultant as long as it is under the purview of applicable law.</p> <p>Bidder needs the information for proper estimation</p>	<p>This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.</p>

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S. No.	Clause No. and Existing provision	Clarification required	Clarifications
	or associates”. Clause 3.4 states that “the Bidder shall disclose the payments to be made by them to agents/brokers or any other intermediary, in connection with this bid”.		
24.	RFP/ Annexure no. 15- format for Contract Performance Guarantee Annexure no. 15- format for Contract Performance Guarantee/ Last Para Notwithstanding anything (365) days thereafter. This BANK GUARANTEE shall be extended from time to time for such period, as may be desired by..... [Insert name of the Selected Bidder or Lead Member in case of the Consortium or SPV].	Kindly note that the Government banks are not issuing the contract Performance Guarantee in the provide format of contract performance Guarantee and requested modification in the format. In view of the same, we request BPC to modify the last Para of the Performance Guarantee format as highlighted in red font below: Notwithstanding anything (365) days thereafter. This BANK GUARANTEE shall may be extended from time to time for such period, as may be desired by..... [Insert name of the Selected Bidder or Lead Member in case of the Consortium or SPV and [Insert name of the Bank]. Based on the issuing bank requirement.	The format is as per SBDs issued by MOP.
25.	RFP ANNEXURE 22 – FORMAT FOR AFFIDAVIT	We would like to mention that with reference to the RFP Clause 2.1.9 Bidders shall confirm a notarized affidavit as per Annexure 22. Please note for large conglomerates signing on behalf of all the affiliates can run into hundreds of numbers and different geographies, is practically	The declaration and details with respect to Clause 2.1.9 of RFP is to be provided by the bidding company including Affiliate / Parent company of the Bidding company being used for meeting financial / technical qualification requirements as per Annexure 22 of the RFP document.

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S. No.	Clause No. and Existing provision	Clarification required	Clarifications
		impossible. We request you to allow Annexure-22 to be signed by the Authorized signatory of the Bidding company on behalf of Bidding entity only. Bidder needs the information for preparation of techno-commercial bid.	
26.	Transmission Service Agreement TSA: Clause F The TSP has agreed to execute the agreement(s) required, if any, under Sharing Regulations within fifteen (15) days from the date of grant of Transmission License from the Commission.	Please note that the Sharing Regulations only provides for Supplementary TSA and Revenue Sharing Agreement with CTU. Kindly confirm is there any other Agreement which is also required to be signed? Bidder needs the information for proper estimation.	Please refer Clause No. 2.5.7 of RFP document.
27.	Transmission Service Agreement TSA: Clause H The billing, collection, and disbursement of the Transmission Charges by the CTU to the ISTS Licensee shall be governed as per Sharing Regulations.	In case of the default in the payment by the DIC, BPC is requested to clarify following a) How will the Transmission charges be recovered? b) what is the assurance for recovery of Transmission charges in view of the repeal of the Regulation of the power supply 2010 by the CERC. Bidder needs the information for proper estimation.	The billing, collection, and disbursement of the Transmission Charges by the CTU to the ISTS Licensee shall be governed as per CERC Sharing Regulations, as amended from time to time.
28.	Transmission Service Agreement TSA ARTICLE: 1 Definitions and Interpretations Independent Engineer” shall mean	We understand that as the Independent Engineer to be appointed by Nodal Agency (CTU), The fee and charges of the Independent Engineer shall be paid by CTU and TSP does not have to consider any fee and	Nodal Agency shall appoint the Independent Engineer as per the provisions of TSA.

Addl. Clarifications dated 05.09.2023 to RFP documents for Selection of Bidder as Transmission service provider to establish Inter State Transmission System for “Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part1) (Bikaner Complex): PART-B” **460**

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
	an agency/ company, appointed by Nodal Agency in accordance with the Guidelines for Encouraging Competition in Development of Transmission Projects TSA ARTICLE: 18 18.3 Remuneration of Independent Engineer	charges of the Independent Engineer in its bid. Bidder needs the information for proper estimation.	
29.	Transmission Service Agreement TSA ARTICLE: 1 Definitions and Interpretations Definition of Nodal Agency Nodal Agency” shall mean CTU, which shall execute and implement the Transmission Service Agreement (TSA);	The provision to the definition states that while taking major decisions, CTU shall consult CEA on technical matters and any other matter if it feels necessary. BPC is requested to provide clarity on what would constitute ‘major decisions’; further, what would be the nature of consultation is not clear, whether such consultation would be binding or just advisory in nature? Further, there is an element of discretion as well on the part of CTU, which should be done away with. Bidder needs the information for proper estimation.	Nodal Agency will consult the CEA on case to case basis as per the provisions of the Standard Bidding Documents.
30.	TSA Clause 2.2.2 It is required that post the Expiry Date, the TSP to transfer the Project to CTU within a period of 90 days.	BPC to clarify the following: a. Who will be responsible for O&M of the Project post Expiry Date till the Project is transferred as the Agreement will automatically terminate on Expiry Date? b. Whether the TSP will be paid for the O&M	The TSP shall ensure transfer of all project assets along with substation land, right of way and clearances to CTUIL or its successors or an agency as decided by the Central Government after 35 years from COD of project at zero cost and free from any encumbrance and liability.

Addl. Clarifications dated 05.09.2023 to RFP documents for Selection of Bidder as Transmission service provider to establish Inter State Transmission System for “Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part1) (Bikaner Complex): PART-B”

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S. No.	Clause No. and Existing provision	Clarification required	Clarifications
		for the period post Expiry Date till the Project is transferred if the TSP will manage the O&M post Expiry Date? Bidder needs information for proper estimation.	The transfer of all project assets along with substation land, right of way and clearances shall be completed at the end of 35 years from COD of the Project. All the expenditure till the transfer of all project assets along with substation land, right of way and clearances shall be borne by TSP.
31.	RFP for Selection of Bidder as Transmission Service Provider & TSA Section-2, clause no. 2.6. Project Schedule Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project & TSA: Schedule-4 Computation of Transmission Charges	Please note that there are 4 nos. of Transmission elements in the subject project. We understand that all elements of the scheme are required to be commissioned simultaneously as their utilization is dependent on each other and hence considering the same percentage of quoted transmission charges are clubbed and mentioned as single percentage (100%) for all these elements. BPC will appreciate that during Operation of the of the asset, if any outages happen to any element/elements of said asset or any scenarios occurs which are illustrated in schedule-4 of TSA then it will be difficult to compute payment of Transmission Charges under various scenarios based on the availability of each element. In view of the above, BPC is requested to provide break-up of each element. Bidder needs information for proper estimation.	As per RFP, all elements of the scheme are required to be commissioned simultaneously as their utilization is dependent on each other.

Addl. Clarifications dated 05.09.2023 to RFP documents for Selection of Bidder as Transmission service provider to establish Inter State Transmission System for “Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part1) (Bikaner Complex): PART-B” **462**

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
32.	<p>Transmission Service Agreement</p> <p>TSA ARTICLE: 3</p> <p>Clause No. 3.3.4</p> <p>Provided, that due to the provisions of this Article 3.3.4, any increase in the time period for completion of conditions subsequent mentioned under Article 3.1.3, shall lead to an equal increase in the time period for the Scheduled COD. If the Scheduled COD is extended beyond a period of one hundred eighty (180) days due to the provisions of this Article 3.3.4, the TSP will be allowed to recover the interest cost during construction corresponding to the period exceeding one hundred eighty (180) days by adjustment in the Transmission Charges in accordance with Schedule 9.</p>	<p>What is the rationale for only IDC recovery and no other expenditure like project cost overrun (such as overheads & price variation etc.)</p> <p>Bidder needs the information for billing purpose.</p>	<p>This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.</p>
33.	<p>TSA</p> <p>Clauses 4.1(f) and 4.2.1(e)</p> <p>These clauses provide assistance by Nodal Agency or TSP to the Arbitrators as required for the performance of their duties and responsibilities.</p>	<p>BPC to provide the definition of Arbitrators used as defined term.</p> <p>Bidder needs information for proper estimation.</p>	<p>RFP to be followed.</p>

Addl. Clarifications dated 05.09.2023 to RFP documents for Selection of Bidder as Transmission service provider to establish Inter State Transmission System for “Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part1) (Bikaner Complex): PART-B” **463**

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
34.	TSA Clause 5.1.2 The TSP acknowledges and agrees that it shall not be relieved from any of its obligations under this Agreement or be entitled to any extension of time or any compensation whatsoever by reason of the unsuitability of the Site or Transmission Line route(s).	BPC to clarify that as the space for 2 nos. of 400 kV line bays at Kotputli S/s will be provided by POWERGRID, who will be liable for the unsuitability of the site or space provided by POWERGRID? Bidder needs information for proper estimation.	As per the Note of clause 1.2 of scope of work, it is amply clear that the PGCIL shall provide the space for bays works at Kotputli S/s. Bidders are advised to coordinate with substation owner
35.	TSA Clause 5.5.6 For any delay in commissioning any critical Element(s), as identified in Schedule 1 & Schedule 2 of this Agreement, beyond a period of 45 days shall lead to a sequestration of 10% of the Contract Performance Guarantee.	As a general practice, the CERC considers any request for extension of time post COD of the Project. BPC to clarify that 10% of CPBG will be invoked even when such delay is caused due to FM events and without adjudication on the validity of such claims? Bidder needs information for proper estimation.	This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.
36.	Transmission Service Agreement TSA ARTICLE: 6 Clause no. 6.1.1 The TSP shall give the RLDC(s), CTU, / STU, as the case may be, and any other agencies as required, at least sixty (60) days advance written notice of the date on which it intends to connect an Element of	BPC is requested to clarify in case of preponement of COD, whether the agreement will be effective for a period of 35 years from the date of such COD, or will there be extra period that will be granted to TSP as an incentive for declaring the commissioning earlier than the SCOD? Bidder needs the information for proper estimation.	Provisions under Schedule 4 of TSA are amply clear in this regard and shall be applicable.

Addl. Clarifications dated 05.09.2023 to RFP documents for Selection of Bidder as Transmission service provider to establish Inter State Transmission System for “Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part1) (Bikaner Complex): PART-B” **464**

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
	the Project, which date shall not be earlier than its Scheduled COD or Schedule COD extended as per Article 4.4.1 & 4.4.2 of this Agreement, unless mutually agreed to by Parties. Further, any preponing of COD of any element prior to Scheduled COD must be approved by the Nodal Agency.		
37.	Transmission Service Agreement TSA ARTICLE: 8 8.2 Target availability The Target Availability of each Element and the Project shall be 98%.	As per previous TSA, target availability was at project level not for each element. We request BPC to maintain target availability at Project level only. Bidder needs the information for proper estimation.	This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.
38.	Transmission Service Agreement TSA ARTICLE: 11 Clause no. 11.4.1 (g) Any error or omission in the survey report provided by BPC during the bidding process	We request BPC to remove the point no g from the Force Majeure Exclusions. Bidder needs the information for proper estimation.	This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.
39.	Transmission Service Agreement TSA ARTICLE: 12 Relief for change in law 12.2.3 - 12.2.3 For any claims made under Articles 12.2.1 and 12.2.2 above, the	Please note that No timelines defined for response by CTU in case of CIL event. We request BPC to define timeline in which CTU will respond to the TSP. Bidder needs the information for proper estimation.	Provisions of TSA are amply clear in this regard and shall apply.

Addl. Clarifications dated 05.09.2023 to RFP documents for Selection of Bidder as Transmission service provider to establish Inter State Transmission System for “Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part1) (Bikaner Complex): PART-B” **465**

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
	TSP shall provide to the Nodal Agency documentary proof of such increase / decrease in cost of the Project / revenue for establishing the impact of such Change in Law.		
40.	Transmission Service Agreement TSA ARTICLE: 12 Payment on account of Change in Law 12.4.1 The payment for Change in Law shall be through a separate Bill. However, in case of any change in Monthly Transmission Charges by reason of Change in Law, as determined in accordance with this Agreement, the Bills to be raised by the Nodal Agency after such change in Transmission Charges shall appropriately reflect the changed Monthly Transmission Charges.	BPC is requested to provide the format and timeline for submission of separate bill of separate bill for settlement of CIL events? Bidder needs the information for proper estimation.	Provisions of TSA are amply clear in this regard and shall apply.
41.	Transmission Service Agreement TSA ARTICLE: 13 Clause no.13.7 Termination Payment - If Agreement is terminated on account of Force Majeure Events, nonrequirement of any Element or Project during Construction, Nodal	As there is no mechanism for termination payment. We request BPC to provide the mechanism for compensating the cost incurred by the TSP for construction of asset, in case of non-requirement of any element during construction stage. Bidder needs the information for proper estimation.	This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.

Addl. Clarifications dated 05.09.2023 to RFP documents for Selection of Bidder as Transmission service provider to establish Inter State Transmission System for “Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part1) (Bikaner Complex): PART-B” **466**

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
	Agency's non-fulfilment of Role & TSP's Event of Default, the TSP shall be entitled for Termination Payment equivalent to valuation of Project Assets. Upon payment, the Nodal Agency shall take over the Project Assets.		
42.	Transmission Service Agreement Schedule 2 The payment of Transmission Charges for any Element, irrespective of its successful commissioning on or before its Scheduled COD, shall only be considered after successful commissioning of the Element(s), which are prerequired for declaring the commercial operation of such Element as mentioned in the above table.	BPC is requested to clarify that in case an element is successfully commissioned and is put to use/power flows, but the pre-required element is not successfully commissioned. Will TSP be eligible for getting Tariff? Bidder needs the information for proper estimation.	Provisions of RFP are amply clear in this regard and shall apply.
43.	Transmission Service Agreement Schedule 9 Methodology for determining the Relief Under Force Majeure Event & Change in Law during Construction Period The relief in the form of revision in tariff due to Force Majeure Event	What is the rationale for the increase in Transmission Charges as stated above shall be applicable only if the value of increase in Transmission Charges as calculated above exceeds 0.30% (zero-point three percent) of the quoted Transmission Charges of the TSP. Bidder needs the information for proper estimation.	This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
	leading to extension of Scheduled COD for a period beyond one hundred eighty (180) days and/ or Change in Law during the construction period shall be as under: $\Delta T = [(P \times d)] \div [1 - (1 + d)^{-n}]$		
44.	TSA Schedule: 9 Methodology for determining the Relief Under Force Majeure Event & Change in Law during Construction Period.	CERC notified ‘Discount rate for computation of levelized transmission charges’ is 8.09% on 30th March, 2022, please confirm if this Discount rate for computation of levelized transmission charges is to be considered for this calculation under schedule-9. Bidder needs information for proper estimation.	Please refer the methodology mentioned at Schedule-9 which is amply clear.
45.	TSA As per TSA, 1. Scheduled COD for the Project: 24 Months from Effective Date. 2. Scheduled COD of each transmission Element: 24 months from SPV transfer 3. The Definition of Month: “Month” shall mean a period of thirty (30) days from (and excluding) the date of the event;	BPC to confirm the following: a. The Schedule COD for the Project is 24 Months from Effective Date and since the Month is used as defined term, therefore, the 24 Month for the Project will be calculated on the basis of 30 days in each month? For example: If the Effective Date is 01-05-2023 then SCOD will be 20-04-2025. b. The Schedule COD for each transmission Element is 24 months from SPV transfer and month has not been used as defined term, therefore 24 months will be calculated on the month to month basis? For example: If the SPV transfer date is 01-05-2023 then SCOD will be 30-04-2025. c. BPC to clarify that the SCOD for each	Provisions of TSA are amply clear in this regard.

Addl. Clarifications dated 05.09.2023 to RFP documents for Selection of Bidder as Transmission service provider to establish Inter State Transmission System for “Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part1) (Bikaner Complex): PART-B” **468**

S. No.	Clause No. and Existing provision	Clarification required	Clarifications
		transmission Element is different from SCOD of the Project? Bidder needs information for proper estimation.	
46.	RFP Special Technical requirement for Transmission Line	For transmission line, no special requirement is specified for type of Insulator and creepage in RFP document. Hence it is understood that bidder can decide the type of insulator along with creepage requirement based on general CEA regulations and relevant standards. Kindly confirm. Bidder needs the information for proper estimation	The minimum specific creepage distances shall be decided for the pollution condition in the area of installation. It shall be as per CEA regulations and relevant standards.

765/400kV Neemrana-II Sub-station

Village : Goonta
 Tehsil : Bansur
 Distt. : Alwar
 State : Rajasthan

Proposed location of 765/400 kV Neemrana-II Sub-station at Village Goonta, Tehsil Bansur, District Alwar (Rajasthan)

[The substation shall not be beyond 10 km radius of the proposed location]

	Latitude	Longitude
Corner-1	27° 46' 44.12" N	76° 21' 17.50" E
Corner-2	27° 46' 47.73" N	76° 21' 51.35" E
Corner-3	27° 46' 22.47" N	76° 21' 22.39" E
Corner-4	27° 46' 25.23" N	76° 21' 52.95" E

True Copy



पीएफसी कंसल्टिंग लिमिटेड
(ए व्ही. ए. ओ. यो. एल. एन. लिमिटेड की पूर्णस्वाम्यवादी/पूरा स्वाम्यवादी कंपनी)
PFC CONSULTING LIMITED
(A wholly owned subsidiary of Power Finance Corporation Limited)

CIN U74140DL 2008GO 1175606

Ref. No. 04/ITP-55/22-23/RFP

February 24, 2023

To,
Secretary,
Central Electricity Regulatory Commission,
3rd Floor, Chandrak Building,
Janpath, Connaught Place,
New Delhi - 110001

Subject: Information about initiation of the bid process for selection of Transmission Service Provider (TSP) for establishing transmission system for "Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part- 1) (Bikaner Complex): PART-B" and issuance of RFP Document.

Dear Sir,

Ministry of Power vide Gazette Notification dated January 13, 2023 has appointed PFC Consulting Limited (PFCCL) as Bid Process Coordinator (BPC) to undertake the bid process for selection of Transmission Service Provider (TSP) for establishing transmission system for "Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part- 1) (Bikaner Complex): PART-B" in accordance with the Guidelines namely "Tariff based Competitive Bidding Guidelines for Transmission Service" and "Guidelines for encouraging Competition in Development of Transmission Projects" issued by Ministry of Power.

The Request for Proposal (RFP) process has been initiated on February 15, 2023 with the publication of RFP notification in:

1. Times of India (English) - All Edition
2. The Economic Times (English) - All Edition
3. Navbharat Times (Hindi) - All Editions
4. The Financial Times - Worldwide (All Editions)

The same has also been made available along with the RFP documents on PFCCL website www.pfcclindia.com w.e.f. February 15, 2023. It may be noted that these RFP Documents are based on the Single Stage Two Envelope (RFQ & RFP combined) based Standard Bidding Documents (SBD) issued by Ministry of Power on August 06, 2021 and project specific inputs furnished by Central Transmission Utility of India Limited (CTUIL) and Central Electricity Authority (CEA). The last date for submission of Responses to RFP is April 21, 2023.

As per the requirements of the Guidelines (Clause 4.2 of Tariff based Competitive-bidding Guidelines for Transmission Service), we hereby inform the Commission about initiation of the bid process for selection of Transmission Service Provider (TSP) for establishing transmission system for "Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part- 1) (Bikaner Complex): PART-B". We are also enclosing herewith the RFP documents for your kind information, perusal and records please.

Thanking You,

Yours sincerely,

(Sanjay Nayak)
General Manager

Encl.: As Above

True Copy

पंजीकृत कार्यालय : प्रथम तल "उज्ज्वलि", 1, बरखम्बा लेन, कानौर प्लेस, नई दिल्ली-110001

Regd. Office : First Floor, "Ujjwala", 1, Barakhamba Lane, Connaught Place, New Delhi-110001

कंपनी मुख्यालय: प्रथम तल (ए विंग) स्टेट्समैन हाउस, कानौर प्लेस, नई दिल्ली-110001 दूरभाष : 011-23443900 फैक्स : 011-23443990

Corporate Office : 9th Floor (A Wing) Statesman House, Connaught Place, New Delhi-110001 Phone : 011-23443900 Fax : 011-23443990

ई-मेल : info@pfcclindia.com वेबसाइट/Website : www.pfcclindia.com

1.	Online Tender Time and Date (Open till Bid Submission)	27/02/2023 at 17:00 Hrs. (IST)
2.	Online & Long for Online Technical Bid Opening	27/02/2023 at 17:00 Hrs. (IST)

The prospective bidders may download the detailed Tender/BFP document in this regard from a tender website- <https://eproc.ker.lgdn.co.in> from 15/02/2023 at 0000 Hrs (IST) to 27/02/2023 at 1700 Hrs. (IST).

Sd/
Chief Executive Officer
Varanasi Smart City Limited

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प्रमाणित किया जाता है कि
निम्नलिखित व्यक्ति का
प्रमाणित किया जाता है कि

1. निम्नलिखित व्यक्ति का प्रमाणित किया जाता है कि
प्रमाणित किया जाता है कि

2. निम्नलिखित व्यक्ति का प्रमाणित किया जाता है कि
प्रमाणित किया जाता है कि

PR. No. 14754 (HCE) 2022-23

नया की

 **KARNATAKA INDUSTRIAL AREAS DEVELOPMENT BOARD**
(A Government of Karnataka Undertaking)
45, East Wing, 4th & 5th Floor, Khanija Bhawan Place, Coimbatore Road
Bengaluru - 560 001, website : www.kiadb.in

No. IADB/ENGG/ETND-EP-59/22/2022-23 Date: 13.02.2023

SHORT TERM NOTICE INVITING TENDER
(Through GOK e – Procurement Portal Only)

Tender under two driver bus system is invited for the work mentioned below as per the Karnataka Transparency in Public Procurement Act 1999 and Rules 2000 through electronic procurement from Super Grade Electrical Contractors License issued from KCEB eligible Contractors who have got adequate financial resources, state of the art technology, suitable construction equipments, technical man power & sufficient past experience for the work of "Providing Power Infrastructure to Mukheda Industrial Area, 2nd Phase, Vijaysapura District"

Last date for submission of bids is: **24.02.2023 upto 04:30 pm**

Applicants May Download Bidding Documents from the E-Procurement Portal <https://eproc.karnataka.gov.in>.

Sd/-
Chief Engineer - I, KIADB Bengaluru

PFC CONSULTING LIMITED (A wholly owned subsidiary of PFC Limited) Regd. Office: First Floor, "Ujjanesh", 1, Banakhada Lane, Connaught Place New Delhi - 110001, Fax: 011-25443990			
GLOBAL INVITATION (TELEPHONE E-BIDDING ONLY)			
FOR SELECTION OF TRANSMISSION SERVICES PROVIDER FOR SUPPLY, INSTALLATION AND TRANSFER (SATT) POWER FROM WITHIN-STATE WAREHOUSE TO THE STATE DISCO COMPANY			
PFC Consulting Limited, a wholly owned subsidiary of Power Finance Corporation Limited (A Government of India Company), invites proposals tendering up to approximately 10 MW supply capacity and Transfer (SATT) base industry length stage two package project of "Supply for Warehouse (SATT)" from:			
Tenderers/bidders may refer to the RFP application and RFP documents available at the website: http://www.pfcconsulting.com			
The bidders may obtain the RFP documents on all working days between 10:30 hrs (IST) and 16:00 hrs (IST) from 15/02/2023 to one working day prior to bid submission for the projects mentioned below, on payment of a non-refundable fee of Rs. 1,00,000/- (USD 1,000 plus applicable GST @ 18% per annum) by cash or Demand Draft, Cheque or Bank Order, payable to M/s. PFC Consulting Ltd., Regd. Office, Connaught Place, New Delhi - 110001, Tel.: 011-25443990. Mail ID: pfc@pfcconsulting.com . And the RFP documents can also be downloaded free online from www.pfcconsulting.com , however, bidders must download RFPs on material Response to RFP only on submission of non-refundable fee of Rs. 1,00,000/- or USD 1,000 plus applicable GST @ 18% before the expiry date and registration as RFP document shall be issued to those bidders, who have obtained successful RFP documents by paying requisite fee of said one working day prior to bid submission date. Bidders should regularly visit website to keep themselves updated regarding conditions, extending time extensions etc., if any. The important details are given below as follows.			
S. No.	Name of Transmission Scheme	Last Date for receiving applications (DD/MM/YYYY)	Date of opening of Responses to RFP (dd/mm/yyyy)
1.	Transmission system for evacuation of power from Rajasthan, PF-2 Study Phase-II (Bikaner Company, Phase II)	21/02/2023	21/02/2023 to 10:15:30 hrs (IST)
2.	Transmission system for evacuation of power from Rajasthan NEE PH-V (Phase V) (Bikaner Company, Phase II)	21/02/2023	21/02/2023 to 10:15:30 hrs (IST)

Note: PFC Consulting Limited reserves the right to cancel or modify the process at their sole discretion without any liability thereon after.

An Initiative of





PFC CONSULTING LTD.
Ministry of Power
State Discoms Authority

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9.

Government of Karnataka
KARNATAKA SLUM DEVELOPMENT BOARD
955, 1st Floor Ashraya Complex, Road No. 8, Shivacharya Nagar, Bangalore-560025
Ph. 081-24430915
Date: 11/04/2024
No. KSDB/Comm/TO-DC/PMAY-HI-P/2022-23543

INVITATION FOR BIDDERS (IFB) - TWO STAGE SYSTEM (FOR THE CONSTRUCTION OF THE
The Karnataka Road Development Board (KSRD) inaugurates and bids tenders for the work
of Construction of 1000 Houses including infrastructure works of the Slum Dwellers of
Various Slums in Bangalore & Srirangapatna Townships under PMAY (U) AFA Scheme
[Call-3] with convergence of state housing schemes from the eligible class-I registered
eligible PWD contractors.

Calendar of Events

if there are any changes to the above notification, it will be published at a prominent point on Tender Documents, schedule, specifications are available on the website: <http://karnatakaapptc.karnataka.gov.in> Tender form fees & BMD details are available on the e-procurement website <http://karnatakaapptc.karnataka.gov.in> and tender processing fees shall be paid using e-procurement payment modes only. Tender applications will be accompanied by earnest money deposit specified for the works and shall have to be valid for 60 days beyond the validity of the bid. Date: _____




PFC CONSULTING LIMITED
(A wholly owned subsidiary of PFC Limited)
Regd. Office: First floor, 'Abhinav', 1, Sarashanda Lane, Connaught Place,
New Delhi - 110001. Fax: 011-29443090

45C. Containing Limited, a wholly owned subsidiary of Power Finance Corporation Limited (A Government of India Undertaking) is engaged in the construction of projects in India. Over the last few years, 45C has been actively engaged in the construction of projects in India. The projects are as follows:

S. No.	Name of Transmittation Received	Last Date for receiving the Certificate (dd/mm/yyyy)	Last Date for submission of the Certificate to RFP (dd/mm/yyyy)	Date of completion of RFP (dd/mm/yyyy)
1	Transmittation system for installation of power from Rajasthan REZ, Power (Part-I) (M.Ramji Choudhary) Part-A	07/07/2018	21/04/2018 up to 16:00 hrs. (IST)	21/04/2018 up to 16:00 hrs. (IST)
1	Transmittation system for installation of power from Rajasthan REZ, Power (Part-I) (M.Ramji Choudhary) Part-B	07/07/2018	21/04/2018 up to 16:00 hrs. (IST)	21/04/2018 up to 16:00 hrs. (IST)

S. No.	Name of Transmigration Block	Last Date for issuing certificates (dd/mm/yyyy)	Last Date for submission of proposals to RFP (dd/mm/yyyy)	Date of opening of proposals in RFP (dd/mm/yyyy)
1	Transmigration system for reclamation of polder from Rajahmundry RED, Polder (Part-I) (M. Ramani Government) PARD-B	07/07/2018	21/04/2018 up to 16:00 hrs. (IST)	21/04/2018 up to 14:30 hrs. (IST)
1	Transmigration system for reclamation of polder from Rajahmundry RED, Polder (Part-I) (M. Ramani Government) PARD-B	07/07/2018	21/04/2018 up to 16:00 hrs. (IST)	21/04/2018 up to 14:30 hrs. (IST)

Any indication of

DEF CONSULTING LTD.
 Ministry of Power
 Central Electricity Authority

Institute of Polymer
Technology

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पृष्ठ सं. १३७ / १ - श्रीमान् श्रीमान्

राम खोतज को कर

नियम 2019 04-सर्जल भण्डारण ७७

सुविधा के आभूषण के रूप में

इ भचासन हेतु, युग को निषिद्ध

तब: (आं भी गहले हो) मेरा

<https://www.india.gov.in>

आकृति-६: परमाणु एवं खनिज मि
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प्रतिष्ठानः वा विद्यमानः स्थितिः

For more information, visit www.pearsoncmg.com

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का.सा.क. ०६ मन्डपुर

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Office of the Chief Engineer (Project)
Jani, Cauvery Bhavan, N.C. Road, Bengaluru - 560
VSSB, KAPPALE, KADAPUR, TALUK, 202-25, D-1302

SEAL: 100% transfer in Test Cover System from top 40 international dealers for Supply & Fixing is universal die thermoplastic power hose Constructed inter for internal inner core, two braids of synthetic reinforcing materials covered by polyether-urethane inner braided radius (90°) due to 125 mm, burst pressure not be less than 7405 PSI (511 bar), working pressure not be less than 3300 PSI (210 bar), dimension range 29 mm to 32 mm, weight of the hose 520 g/m, gross per meter. Temperature limit -60°C to 60°C, CE certificate certified by independent agency EC certified. **Material:** Polyether-urethane.

date and time for Receipt of tenders is on 28.02
at 16:00 hours. The Technical bids will be open
on 28.02.23 at 16:00 hours. The details regarding the
participation in the e-procurement portal process
used by logging on to <https://eproc.karnataka.gov.in>.
Further details contact the undersigned office
tender board.

Sd/-
Chief Engineer (P)

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Regd. Office: First Floor, "Union", 1, Borahamb
New Delhi - 110001. Fax: 611-23

PPS Consulting's limited liability company structure and 2009-10 fiscal year financial performance are discussed in the following sections.

[illegible]

Sl. No.	Name of International Software	LAI Under the Copyright Act, 1957 (yes/no)
1	Transmission system for transmission of power from Maharashtra (MTP) (Part-I) (Software Copyright) - PNR 8	(yes/no)
2	Transmission system for transmission of power from Rajasthan (RTP) (Part-I) (Software Copyright) - PNR 8	(yes/no)

NOTE: FPL Consulting Inc. is a 501(c)(3) non-profit organization. All rights are reserved by FPL Consulting Inc. and its affiliates.

and Process Coordinator
 **GOVERNMENT OF INDIA**
 Ministry of Power
 Government of India

CENTRAL SILK TECHNOLOGICAL
CENTRAL SILK
Agency: Eastman
CSE Company, 8700 Lyndon, Madison, WI
Tel: (608) 241-3370/2-282 Fax: (608) 241-3371

Subj: Rife Contract for Indigenous Air
Package Enterprises of Missouri
Manufactured and Sold There

Appl. General I 1980

The CSTRI, Central S&T Board, Bangalore procurement portal under two manufacturers or their authorized representatives with revised public works (Make in India) Order No. 2017 dated 01-06-2017 Ministry of Commerce and Industries, Government of India.

Authorized Reeling Machine's Pack:
Employment of Manufactured/Semi-Manufactured and Valid upto 31.03.2022
Interested parties may download the specifications, terms & conditions from the website www.cstri.org.

Form no. application 1980

Last DATE of submission of bids 1
Date of opening of bids 1
Cmc: 41189/11/0051/212F

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Logon Date for submissions of responses to RFP (dd/mm/yyyy)	Date of opening of Bids on 06 May (dd/mm/yyyy)
27/04/2023 up to 15:00 hrs (EST)	27/04/2023 up to 15:30 hrs (EST)
27/04/2023 up to 16:00 hrs (EST)	27/04/2023 up to 16:30 hrs (EST)

(continued from page 60)

Infinitive Partner
General Electric Authority

TOI-Hydrobak-11/9/83

Handwritten notes and stamps at the top left of the page, including a date stamp '15/2/23' and some illegible text.

The Hon. T. J. ... Municipal Commissioner Ayaziyah Municipal Corporation

Table with multiple columns containing dates, times, and locations. It appears to be a schedule or log of events.

PFC CONSULTING LIMITED
(A wholly owned subsidiary of PFC Limited)
Regd. Office: First Floor, "Ujjaini", 1, Barakhamba Lane, Connaught Place, New Delhi - 110001, Fax: 011-23442000

GLOBAL INVITATION (THROUGH E-BIDDING ONLY)
FOR SELECTION OF TRANSMISSION SERVICE PROVIDER ON BUILD, OWN, OPERATE AND TRANSFER (BOOT) BASIS FOR INTER-STATE TRANSMISSION PROJECTS

PFC Consulting Limited, a wholly owned subsidiary of Power Finance Corporation Limited (PFC) Government of India (underlying) invites applications for selection of a transmission service provider (TSP) for the following transmission projects...

S. No.	Name of Transmission Scheme	Last Date for submission of bids (in Indian Rupees)	Last Date for submission of bids (in US Dollars)	Date of opening of bids (in Indian Rupees)
1	Transmission system for interconnection of power from Rajasthan REZ Plant (Part-I) (Bikaner Company) (PARI-I)	07/02/2023	\$1,04,00,000 up to 18.00 hrs (IST)	21/02/2023 up to 18.00 hrs (IST)
2	Transmission system for interconnection of power from Rajasthan REZ Plant (Part-II) (Bikaner Company) (PARI-II)	07/02/2023	\$1,04,00,000 up to 18.00 hrs (IST)	21/02/2023 up to 18.00 hrs (IST)

Notes: PFC Consulting Limited reserves the right to cancel or modify the process without assigning any reason and without any liability. This is an initiative of the Ministry of Power, Government of India.

U.P. POWER CORPORATION LIMITED
EXTRACTS OF STANDALONE FINANCIAL RESULTS FOR THE QUARTER ENDED 31ST DECEMBER 2022
(Regulation 52 (1) read with Regulation 52 (4) of the SEBI (LODR) Regulations, 2015)

S. NO.	PARTICULARS	3 Months ended 31.12.2022 (Unaudited)	Corresponding 3 months for the previous year ended 31.12.2021 (Unaudited)	Previous year ended 31.03.2022 (Audited)
1	Total Income from Operations	18385.48	18117.38	18385.48
2	Less: Profit/(Loss) for the period before Tax, Exceptional and Other Comprehensive Income	(2728.80)	(5354.31)	(8144.87)
3	Net Profit/(Loss) for the period before tax	(2728.80)	(5354.31)	(8144.87)
4	Less: Profit/(Loss) for the period after tax	(2728.80)	(5354.31)	(8144.87)
5	Total comprehensive income for the period (comprising Profit/(Loss) for the period after tax and Other Comprehensive Income (other than 1))	(2728.80)	(5354.31)	(8144.87)
6	Profit/(Loss) after tax and other comprehensive income	(2728.80)	(5354.31)	(8144.87)
7	Provision/(reversal) for depreciation	(2728.80)	(5354.31)	(8144.87)
8	Depreciation/(reversal) for depreciation	(2728.80)	(5354.31)	(8144.87)
9	Net Profit/(Loss)	(2728.80)	(5354.31)	(8144.87)
10	Outstanding (NPA)	(2728.80)	(5354.31)	(8144.87)
11	Outstanding (NPA) - percentage of total	(2728.80)	(5354.31)	(8144.87)
12	Net Profit/(Loss)	(2728.80)	(5354.31)	(8144.87)
13	Outstanding (NPA) - percentage of total	(2728.80)	(5354.31)	(8144.87)
14	Outstanding (NPA) - percentage of total	(2728.80)	(5354.31)	(8144.87)
15	Outstanding (NPA) - percentage of total	(2728.80)	(5354.31)	(8144.87)
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17	Outstanding (NPA) - percentage of total	(2728.80)	(5354.31)	(8144.87)
18	Outstanding (NPA) - percentage of total	(2728.80)	(5354.31)	(8144.87)
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21	Outstanding (NPA) - percentage of total	(2728.80)	(5354.31)	(8144.87)
22	Outstanding (NPA) - percentage of total	(2728.80)	(5354.31)	(8144.87)
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27	Outstanding (NPA) - percentage of total	(2728.80)	(5354.31)	(8144.87)
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30	Outstanding (NPA) - percentage of total	(2728.80)	(5354.31)	(8144.87)
31	Outstanding (NPA) - percentage of total	(2728.80)	(5354.31)	(8144.87)
32	Outstanding (NPA) - percentage of total	(2728.80)	(5354.31)	(8144.87)
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99	Outstanding (NPA) - percentage of total	(2728.80)	(5354.31)	(8144.87)
100	Outstanding (NPA) - percentage of total	(2728.80)	(5354.31)	(8144.87)

After Shah

Since 1949, there has been a profound change in the whole North-East and its atmosphere of development and confidence has developed there.

On the Left Wing Extreme (LWE), Shah said the number of districts which had to report such incidents dropped from 95 to 14 in 2012.

There is a reduction of 30 percent in all sorts of violence under the LRAE, he said.

Haryana Chief Minister Mohan Lal Khattar, Home Minister Anil Vij, Assembly speaker Chhanna Chand Gupta and other dignitaries were present on the occasion.

She also took the salute
the parade held at Madison
in 1971.

Digvijaya's intelligence has failed: Chouhan

Bhopal: Mathura Prasad, Chief Minister of Bhopal, said Chaudhary has assumed office from 1984 as Minister in Congress under Indira Gandhi over his tweet which again raises questions on his credibility.

GM Chevrolet on Tuesday.

said, "I think David's Singh's intelligence has allowed him to see the Indian army speaks the language of Pakistan and tries to lower the morale of the Army." "Now, an investigation should be done of Dargat Singh that, who sees the

ed of speaking against the Congress and against the army in his mind. The DNA of the Congress party should be investigated which would include those along with people who break India in the name of Bharat Jodo. It is a wonder," Chaudhary said.

PFC CONSULTING LIMITED

(A wholly owned subsidiary of PCC Limited)

Road Office: First Floor, "Urja" 1, Barakhamba Lane, Connaught Place,
New Delhi - 110001. Fax: 011-23452890

GLOBAL INVITATION PROGRAM ON FELLOWSHIP ON VISA

FOR SELECTION OF TRANSMISSION SERVICE PROVIDER ON FIXED, DEDICATED AND TRANSMISSION SHORT-LEASES FOR INTERSTATE TRANSMISSION REQUESTS

PHS Consulting Limited, a wholly owned subsidiary of PHS Finance Corporation Limited (a Unit of PHS of India (INDIAFIN)) invites proposals for setting up of (i) INFORMATION SERVICES OF BUREAU OF HEALTH, FAMILY, CHILDREN AND TRAINING (BHCFT), State (ii) INFORMATION SERVICES OF STATE GOVT. FOR PROGRESSIVE (SGP)

Interested buyers may refer to the RFP notification and ID#s documents available on the website <http://www.usaid.gov/pressroom/pressroom.htm> and <http://www.usaid.gov/pressroom/pressroom.htm>.

The Nation may obtain the RDP documents on all working days (between 10.30 AM (EST) and 4.30 PM EST) from 1983/2002 to the next working day prior to the submission for the proposed registration system on 15/07/2014 or any reasonable day of the week, or 15/07/2015 plus equivalent GB (EST) time. For more info, visit: www.a.dominion-nation.com

[illegible]

S. No.	Name of Maintenance Activities	Last Date for Submitting the Request for RFP (dd/mm/yyyy)	Last Date for Submission of Responses to RFP (dd/mm/yyyy)	Date of opening of Responses to RFP
1.	Transmission system for installation of poles from Rajahmundry REE Ph-V (Part-V) (Bilconex Company) -P&T-1	27/03/2023	27/04/2023 up to 15:30 hrs. (IST)	27/04/2023 up to 15:30 hrs. (IST)
2.	Transmission system for installation of poles from Rajahmundry REE Ph-V (Part-V) (Bilconex Company) -P&T-2	27/03/2023	27/04/2023 up to 15:30 hrs. (IST)	27/04/2023 up to 15:30 hrs. (IST)

Model: PPT's Co-similarity, in-kind usage, and frequency to achieve at least 100% process effectiveness and 100% revenue and volume, respectively. This is a critical factor.

Bid Process Coordinator

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ИЗДАТЕЛЬСТВО «СОВЕТСКИЙ

 McGraw-Hill

Journal of Internal Medicine 2000; 247: 101–107

Ministry of Power
Government of India

Copyright Clearance Center

100PCT: Political Science
 100TGT: ENGLISH, SAN

5. (अतिरिक्त): COMPUTER
में DATA ENTRY OPERA
(अतिरिक्त) subject in 3rd
के पास है।

Dr. Education's Counsellor
(1981)

1. बदलाव का अनुरोध स्वीकार करें
2. दूसरा बदलाव किया जा सकता है
3. गहरी हो जायगी

ह ४ वर्षों तक उपस्थित हो। विम्बु
साबुत होयें।

द्वि. तत्प्राप्तकार बोध का विनिर्दिष्ट अंतिम

[illegible]


 क्षेत्रीय कार्यालय
उत्तर प्रदेश प्रदूषण नियंत्रण बोर्ड
 आवास विकास परियोजना कारागोरी, गैडर-10, योजना संख्या-3
 झुंसी, प्रयागराज-221506, फोन-0532-2569727

जन-सूचना
पर्यावरणीय स्वीकृति हेतु लोक-सुनवाई के लिये आम सूचना

[illegible]

क्र. सं.	परिचयिका	प्राप्त प्रमाणों का विवरण
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ies Corporation Ltd.
 (Marketing)
 Address: War-75 1007
 0313, Email: salcho@ortssagro.com
 FOR 2023-24
 C-01 (A.I.)/2023-24
 Limited, Shubaneswar invites e-
 manufacturers for the year 2023-24 for
 icides, Fungicides, Bio-Insecticides,
 nutrients, Bio-Fertilizers, Organic

as for tion of Tender online:	Date of opening of offers:
2023 up to 5:30	10.03.2023 at 11:00 AM

If the tender(s) in full or part is/are
 not, tenderer please refer to the website
 A&FP-com-Managing Director
 industries Corporation Limited
 Shubaneswar
 OPR-01547/11/0047/22-23

कार
 कार्यालय
 प्रमोदल, गया
 आगमन स्थान
www.eproc2.bihar.gov.in पर
 00/ET/SCD/Gaya/2022-23
podbihar.in वेबसाइट पर उपलब्ध है।
 वेबसाइट पर उपलब्ध है।
 0313
 2023 से 07/03/2023 से 18:00 बजे तक
 18:00 से 10:00 बजे तक
www.eproc2.bihar.gov.in पर
 03/2023 से 18:00 बजे तक उपलब्ध है।
 या वेबसाइट पर 04/03/2023 तक उपलब्ध है।
 वेबसाइट पर उपलब्ध है।
 03/2023 से 18:00 बजे
www.eproc2.bihar.gov.in पर

राशि (₹)	प्रतिवर्ष बिजली की खपत (किलो वॉट्स में)	बिजली प्रदाता संस्था + संबंधित क्षेत्र (किलो वॉट्स में)	कार्य समाप्ति की तिथि
10.00	10,000.00	As Per Website	18 Month

1. www.eproc2.bihar.gov.in पर वेबसाइट
 2. वेबसाइट पर उपलब्ध है।

कार्यपालक अभियंता
 प्रमोदल, गया।
 सुखी परिवार।



Government of India
Ministry of Corporate Affairs
Investor Education and Protection Fund Authority
 Ground Floor, Jeevan Vihar Building, 3,
 Parliament Street, New Delhi-110001
 File no: 7 (3)&7(7) (2022-2023)

Date: 9th February, 2023

Public Notice

Subject: Notice under Rule 7(3) or 7(7) of Investor Education and Protection Fund Authority (Accounting, Audit, Transfer and Refund) Rules, 2016 referred to as IEPFA (AATR) Rules.

- Whereas, as per under Rule 7 (3) or 7(7) (as the case may be) of Investor Education and Protection Fund Authority (Accounting, Audit, Transfer and Refund) Rules, 2016, the company shall send an e-verification for all claims filed against it within 30 days of filing the IEPF-5 Form or with additional fee of fifty rupees for each day thereafter subject to a maximum of two thousand and five hundred rupees.
- Whereas no e-verification report was received from companies for various claims filed against it even after sending communication as prescribed under 7(3) or 7(7) of IEPF (AATR) Rules within the mandated period of maximum of 75 days.
- Whereas due to non-receipt such verification report from the respective companies it is proposed to reject all such SRNs under u/r 7(3) or 7(7) of IEPF (AATR) Rules. (list of SRNs are made available on iepf.gov.in)
- Therefore, if any claimant has any objection to the above the same may be intimated through email at inspector1.iepf@mca.gov.in. If no objection is received within 15 days from its issue, the pending SRNs shall be rejected at the sole liability of the company and its nodal officer.

Sd/-
 (GAURAV GUPTA)
 Deputy Director
 IEPF Authority

CBC 07110/12/0008/2223

PFC CONSULTING LIMITED
 (A wholly owned subsidiary of PFC Limited)
 Regd. Office: First Floor, "Unandhi", 1, Barakhamba Lane, Connaught Place,
 New Delhi - 110001, Fax: 011-23443960

GLOBAL INVITATION (THROUGH E-BIDDING ONLY)
 FOR SELECTION OF TRANSMISSION SERVICE PROVIDER ON BUILD, OWN, OPERATE AND TRANSFER (BOOT) BASIS FOR INTER-STATE TRANSMISSION PROJECTS

PFC Consulting Limited, a wholly owned subsidiary of Power Finance Corporation Limited (A Government of India Undertaking), invites proposals for setting up of transmission projects on Build, Own, Operate and Transfer (BOOT) basis following single stage two envelope process of "Request for Proposal" (RFP).

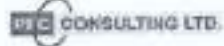
Interested bidders may refer to the RFP notification and RFP documents available on the website <http://www.mtsscommerz.com> and <http://www.pfcindia.com>.

The Bidders may obtain the RFP documents on all working days between 10:30 hrs (IST) and 18:00 hrs (IST) from 15/02/2023 to one working day prior to bid submission for the projects mentioned below on payment of a non-refundable fee of Rs. 5,00,000/- or USD 7,000 plus applicable GST @18%, from 8th Floor, Wing - A, Statesman House, Connaught Place, New Delhi - 110001, Tel.: 91-11-23443990; Fax: 91-11-23443990; e-mail: pfc@pfcindia.com. The RFP documents can also be downloaded from <http://www.mtsscommerz.com> and <http://www.pfcindia.com>. However, in such case, interested party can submit Responses to RFP only on submission of non-refundable fee of Rs. 5,00,000/- or USD 7,000 plus applicable GST @18% separately. The survey report and clarification to RFP documents shall be issued to those bidders, who have obtained/purchased RFP documents by paying requisite fee at least one working day prior to bid submission date. Bidders should regularly visit website to keep themselves updated regarding clarifications/ amendments/ time extensions etc., if any. The important timelines in this regard are as follows:

S. No.	Name of Transmission Scheme	Last Date for seeking clarifications (dd/mm/yyyy)	Last Date for submission of response to RFP (dd/mm/yyyy)	Date of opening of Responses to RFP (dd/mm/yyyy)
1.	Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): PART-A	07/03/2023	21/04/2023 up to 18:00 hrs. (IST)	21/04/2023 up to 18:30 hrs. (IST)
1.	Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): PART-B	07/03/2023	21/04/2023 up to 18:00 hrs. (IST)	21/04/2023 up to 18:30 hrs. (IST)


Note: PFC Consulting Limited reserves the right to cancel or modify the process without assigning any reason and without any liability. This is not an offer.

Bid Process Coordinator




(A wholly owned subsidiary of PFC Ltd.)
 (A Govt. of India Undertaking)

An Initiative of



Ministry of Power
 Government of India

Initiative Partner



Central Electricity Authority

T-01- उपलब्ध-15/2/23

5.	Last Date & Time of Hard Copy of Bid Submission	27/02/2023 at 1730 Hrs. (IST)
6.	Date & Time for Online Technical Bid Opening	27/02/2023 at 1730 Hrs. (IST)

The prospective bidders may download the detailed Tender/RFP document in this regard from e-tender website- <https://etender.up.nic.in> from 15/02/2023 at 0900 Hrs. (IST) to 27/02/2023 till 1700 Hrs. (IST).

S/d
Chief Executive Officer
Varanasi Smart City Limited

कॉन्फेडरेट रीज (C.F.) का
निर्माण वर्ष: वर्ष 2020-23
विद्युत्करण कार्य संचालित
482

PFC CONSULTING LIMITED

(A wholly owned subsidiary of PFC Limited)

Regd. Office: First Floor, "Urjanidhi", 1, Barakhamba Lane, Connaught Place,
New Delhi - 110001, Fax: 011-23443990

GLOBAL INVITATION (THROUGH E-BIDDING ONLY)

FOR SELECTION OF TRANSMISSION SERVICE PROVIDER ON BUILD, OWN, OPERATE AND TRANSFER (BOOT) BASIS FOR INTER-STATE TRANSMISSION PROJECTS

PFC Consulting Limited, a wholly owned subsidiary of Power Finance Corporation Limited (A Government of India Undertaking), invites proposals for setting up of transmission projects on Build, Own, Operate and Transfer (BOOT) basis following single stage two envelope process of "Request for Proposal" (RFP).

Interested bidders may refer to the RFP notification and RFP documents available on the website <https://www.matescommerce.com> and <https://www.pfcindia.com>.

The Bidders may obtain the RFP documents on all working days between 10:30 hrs (IST) and 16:00 hrs (IST) from 15/02/2023 to one working day prior to bid submission for the projects mentioned below on payment of a non-refundable fee of Rs. 5,00,000/- or USD 7,000 plus applicable GST @18%, from 9th Floor, Wing - A, Statesman House, Connaught Place, New Delhi - 110001, Tel: 91-11-23443990; Fax: 91-11-23443990; e-mail: pfccl@pfcindia.com. The RFP documents can also be downloaded from <https://www.matescommerce.com> and <https://www.pfcindia.com>, however, in such case, interested party can submit Responses to RFP only on submission of non-refundable fee of Rs. 5,00,000/- or USD 7,000 plus applicable GST @18%, separately. The survey report and clarification to RFP documents shall be issued to these bidders, who have obtained/purchased RFP documents by paying requisite fee at least one working day prior to bid submission date. Bidders should regularly visit website to keep themselves updated regarding clarifications/ amendments/ time extensions etc., if any. The important timelines in this regard are as follows:

S. No	Name of Transmission Scheme	Last Date for seeking clarifications (dd/mm/yyyy)	Last Date for submission of response to RFP (dd/mm/yyyy)	Date of opening of Response to RFP (dd/mm/yyyy)
1.	Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex)- PART-A	07/03/2023	21/04/2023 up to 10:00 hrs. (IST)	21/04/2023 up to 15:30 hrs. (IST)
1.	Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex)- PART-B	07/03/2023	21/04/2023 up to 16:00 hrs. (IST)	21/04/2023 up to 16:30 hrs. (IST)

Note: PFC Consulting Limited reserves the right to cancel or modify the process without assigning any reason and without any liability. This is not an offer.


Bid Process Coordinator



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An Initiative of



Ministry of Power
Government of India

Initiative Partner



Central Electricity Authority

कार्यालय कलेक्टर (उपनिवेश)
E-mail :- mpncd@mp.gov.in

पत्र क्र. /2017/1-बीलमी सूचना /1
रेत खनिज की अल

राज्य शासन द्वारा प्रदेश में नियम, 2019 अन्तर्गत समूहवार खन आंशिका करने हेतु जिला कलेक्टर खनिज की आपूर्ति हेतु MPO 2019/1149/ 2021/12/2 भोपाल के संचालन हेतु पूर्व की निविदा अतिरिक्त एवं खदानवार मासिक तक (जो भी पहले हो) हेतु <https://mptenders.gov.in> पर आमंत्रित करता है। प्रत्येक समूह हेतु तकनीकी प्रस्ताव एवं वित्तीय निविदा खरण्ड में 5.00 करोड़ तक रहेगी।

निविदा को बिस्तृत प्रक्रिया प्रक्रिया का विवरण <https://mpncd.mppsc.gov.in> वेबसाइट, मध्य प्रदेश राज्य <https://www.mpsmcl.mp.gov.in> <https://ekhanij.mp.gov.in> एवं वेबपार) नियम 2019 भी विवरण <https://www.minerairesources> संबंध में किसी भी प्रकार के संशय पर मूल्का भेजी जा सकती है खन डिप्टी (जलास-III) अखण्डक शासकीय मूल्य का विवरण निम्नानुसार

क्र.	समूह का नाम/संपूर्ण जिला	समूह में सम्मिलित तहसील	समूह का नाम
1	2	3	4
1	समूह क्रमांक 01	मण्डला, नैनपुर	

ऑनसाइन निविदा प्रस्तुत कर तकनीकी छुट्टि का अन्य विधिवत निविदा दस्तावेजों / शर्तों में सुधार निविदा एवं <https://www.mpsmcl.mp.gov.in> <https://mptenders.gov.in> में उपलब्ध होगा।

कारणा में सावधानी हटी, म

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New Delhi - 110001, Fax: 011-23443990**GLOBAL INVITATION (THROUGH E-BIDDING ONLY)****FOR SELECTION OF TRANSMISSION SERVICE PROVIDER ON BUILD, OWN, OPERATE AND TRANSFER (BOOT) BASIS FOR INTER-STATE TRANSMISSION PROJECTS**

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1.	Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-I) (Bikaner Complex): PART-A	07/03/2023	21/04/2023 up to 15:30 hrs. (IST)	21/04/2023 up to 15:30 hrs. (IST)
2.	Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-I) (Bikaner Complex): PART-B	01/03/2023	21/04/2023 up to 16:30 hrs. (IST)	21/04/2023 up to 16:30 hrs. (IST)

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S. E. RAILWAY - TENDERe-Tender Notice No. ST-OT-Upgrade-DL-KGP dated 13.02.2023. For and on behalf of President of India, the Sr. Divisional Signal and Telecommunication Engineer (Civil Khargpur-721 301) invites e-tenders for the following works before 12:00 hrs. on the date mentioned against items and will be opened at 12:30 hrs. Description of works: Supply, Installation, Testing and Commissioning of S&T works in connection to the Up-gradation of existing Data logger over Khargpur Division for provision of digital scanner card in connection with monitoring of track feed battery charger, ELD & Dual detection SSDAC through Data logger and networking of RTU in M&I section interlocked LC Data in Howrah-Kharagpur-Midnapur, Panskura-Haldia-Digha, Kharagpur-Bhadrak section & Auto Goonly and provision of new Data logger at Kant station. Tender Value : ₹ 67,85,220.04, EMD : ₹ 1,75,800. Cost of tender document: Nil, Date of Opening : 10.03.2023, Completion Period : 06 months, Date of Submission : upto 12:00 hrs. of 10.03.2023. Interested bidders may visit website www.irap.gov.in for full details, description, specification of the tender and submit their bids online. In no case manual tenders for these works will be accepted. N.B.: Prospective bidders may regularly visit www.irap.gov.in to participate in all tenders. (PR-1113)**TIRUMALA TIRUPATI DEVASTHANAMS
TIRUPATI****NOTICE INVITING TENDER-CUM-REVERSE TENDERING**e-tenders are invited for Supply of Paper Materials in different categories for TTD Printing Press in FY-2023-2024. For Tender Notice & Details Please log on the website <http://www.tirumala.org> and <https://tender.ap.eprocurement.gov.in>. For further details contact: 0877-2264355 (or) 0877-2264292.

R.O.C. NO. PWA/12881/Adh.No. 386/PWD/2023, Dated: 14.02.2023

Sd/- Executive Officer

Project Management Unit
Jai Mang Vikas Project

INLAND WATERWAYS AUTHORITY OF INDIA
(Ministry of Ports, Shipping and Waterways, Govt. of India)

Head Office: A-13, Sector - 1, Roada - 201 301, Phone: 0120-2544304, swi@iwai.org.in

Notice Inviting Tender-NCB

Tender for Providing Fire Protection & Detection System for Multi Modal Terminal at Haldia, West Bengal.
Ref: JWA/WE/NW-1/14/4/2023

Inland Waterways Authority of India, invites e-Bids from reputed eligible firms for "Providing Fire Protection & Detection System for Multi Modal Terminal at Haldia, West Bengal".
Last date for submission of e-bids is upto 15:00 hrs. (IST) on 14.03.2023.

For details and update please visit IWA website www.iwai.org.in and e-procurement portal <https://eprocure.gov.in/eprocureapp>.

Date: 14.02.2023 Project Director (JMW)

HOL
HAIDIA ENERGY LIMITED

Haldia Energy Limited
CIN: U74210WB1999PLC066134

NOTICE INVITING TENDER (NIT)

Haldia Energy Limited (HEL), having 2x300 MW coal based thermal power plant at Haldia, Purba Medinipur, West Bengal, invites tender for procurement of 50,000 MT Imported Steam (non-coking) coal. Detailed terms & conditions of the NIT are available at MSTC website <https://www.mstcecommerce.com/eproc/> and under Tender section of the official HEL website <https://www.haldiaenergy.co.in>

OFFICE OF THE ADDITIONAL CHIEF ENGINEER,
PWD. ZONE, AJMER

OSBI

Enterprise & Group Risk Management Department, Corporate Centre,
3rd Floor, Mahatma Centre, Nariman Point, Mumbai-400 021

CORRIGENDUM NOTICE

Corrigendum Number 1 and Responses to Pre-Bid Queries with reference to RFP No: SBI/RMD/EGRMDC/2022-23/01 dated 31.01.2023 has been published on Bank's website and e-Procurement portal. For details, please visit 'Procurement News' at <https://www.sbi.co.in> or <https://bank.sbi> and e-Procurement agency portal <https://tender.sbi/sbi/>

Place: Mumbai Deputy General Manager

Date: 15.02.2023 (Enterprise & Group Risk Management Department)

कार्पोरेट ग्रुप रिस्क प्रबंधन
उत्तर प्रदेश वन निगम

संपन्न प्रदेश, संपन्न वन, संपन्न विकास, संपन्न प्रगति
दूरभाष एवं फेक्स: +91522-2427335

पत्रांक-2465/स.प./विज्ञापन/2022 तिथि: 14.02.2023

संबंधित पत्रांक हेतु सूची-सर्वजनिक नीतानी सूचना-नीतानी विधि- 24.02.2023

सर्व साधारण को सूचित किया जाता है कि वर्ष 2022 सत्र के अवधि में पत्रांक-2465/स.प./विज्ञापन/2022 की तारीख को जारी की गई नीतानी प्रणाली के

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1.	Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): PART-A	07/03/2023	21/04/2023 up to 15:00 hrs. (IST)	21/04/2023 up to 15:30 hrs. (IST)
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Central Electricity Authority

As per Board proceeding of ADM Review for Force, Sector HQr, New Delhi his office 17/06/2020, Force No. 943030309 Ex HC/GD retention in service as her ACR grading for the recommendation of Administrative review committee in public interest has been served to Force No. Somsinh vide this office order No. P-III-01/2020-P over to individual on same date i.e. 11/07/2020. On effective from 11/07/2020 i.e. date of handed on of 03 Month notice period, struck of strength order 100-Pension dated 01/10/2020, against the 03 M for premature retirement. She has submitted an Inspector General of Police, Rapid Action Force, N the recommendation of Administrative Review Committee Directorate General, Central Reserve Police Force 75/2020-VIG(Legal) dated 22/01/2021 had intimate (L)-Pers-II(CF-3519675) dated 20/01/2021 has reje P-III-1/2020-100-Pension dated 06/02/2021, 25/03/ 23/02/2022, 05/04/2022 & 18/04/2022 sent with req Thakor Sudhoben Somsinh for completion of pens forms. In spite of above, a special messenger was c Solanki Parveen Singh, Near Madar Dairy, Vastal, Sureli, Opposite Panchayat Office, Taluka-Kalol, F Gujarat-389320) of No. 943030309 Ex HC/GD Thak but she was not available at both the addresses.

In this regard No. 943030309 Ex HC/GD Thak Parveen Singh, Near Madar Dairy, Vastal, Ahm Opposite Panchayat Office, Taluka-Kalol, Police St 389320) for completion of her pension forms and i further payment of Pension and other terminal di one month from the date of publication of this Affid she could not be interested for granting her Pens responsible. Further in this regard, 100 BN Rapid Ac Directorate General, Central Reserve Police Force, i To, Force No. 943030309 Ex HC/GD Thakor Sudhoben Somsinh, Vastal, Ahmedabad, Gujarat-382418, &

Force No. 943030309 Ex HC/GD Thakor Sudhoben Somsinh VPO-Sureli, Opposite Panchayat Office, Taluka-Kalol, Police Station-Viajalpur, District- Mahisagar, Gujarat-389320.

CBC 19111/11/0143/2223



STATE BANK OF INDIA

Strategic Assets Management Branch, 2nd Floor, Paramedhi Complex, Opp. V. K. Hospital, Elkhedra, Ahmedabad-380 006 Phone : 079-26501001, Fax: 079-26501137, E-mail: sbi.265099@sbi.co.in

SALE NOTICE FOR SALE OF IMMOVABLE PROPERTIES Appendix - IV-A [See Provision to rule 8(6)]

E-Auction sale notice for sale of Movable / Immovable assets under the securitization and reconstruction of financial assets and enforcement of security interest (SARFESI) act, 2002 read with provision to rule 8(6) of the security interest (enforcement) rules, 2002

Notice is hereby given to the public in general and in particular to the Borrower(s) and Guarantor(s) that the below described immovable assets charged / mortgaged to the Secured Creditors, the physical possession of which has been taken by the Authorized officer of State Bank of India, the Secured Creditors, will be sold on "As is Where is", "As is What is" and "Whatever there is" basis on 23.03.2023 for recovery of Rs. 17,73,56,777.87 (Rupees Seventeen Crores Seventy Three Lac Fifty Thousand Seven Hundred Seventy Seven and Paise Ninety Seven Only) due to the secured creditors. State Bank of India as on 19.07.2018 and as mentioned in the demand notice under Section 13(2) of SARFESI Act, dated 20.07.2018 plus interest, cost & incidental expenses etc. thereon and less recovery therefrom from M/s Constant Engineering Pvt. Ltd and its Directors, Mortgagees and Guarantors- Mr. Davis Thakkokaran, Mrs. Litty Varghese Thakkokaran, Mrs. Sural Davis Thakkokaran and Mr. Varghese A. Thakkokaran for various credit facilities were granted time to time by State Bank of India.

The Bidders should get themselves registered on: <https://www.mstcecommerce.com/auction/home/bap/index.jsp> by providing requisite KYC documents and registration fee as per the practice followed by M/s MOTO Ltd well before the auction date.

Date & Time of public E-Auction : 23.03.2023 from 11:00 AM to 03:00 PM with unlimited extension of 10 minutes each.

Property ID No	Detail of Property	Reserve Price (Rs.)	Earliest Money Deposit (Rs.)	Bid Increase Amount (Rs.)	Date & Time of Inspection
SBMT71870003	Factory Land & Building with Scraped Machines: situated at Plot No. A-15/1, R. S. No. 333/P, 484/P, 405/P Ichhapore, GDC, Village: Ichhapore, Tal. Choryoshi, Sureli (Gujarat) measuring 7500.00 Sq. Mtrs. in the name of Constant Engineering Pvt. Ltd.	20,00,00,000/-	2,00,00,000/-	5,00,000/-	18.03.2023 11:00 AM TO 02:00 PM
SBMT81015006	Commercial land : Plot No. 2, R. S. No. 177, Non-Agr. Land situated at Village: Mot Khavdi, Dist. Jamnagar with compound wall measuring 1175.85 Sq. Mtrs. in the name of Davis Aron Thakkokaran	1,00,00,000/-	10,00,000/-	1,00,000/-	14.03.2023 11:00 AM TO 02:00 AM

*Note: Applicable GST / TDS will be borne by successful buyer over and above bid amount.

Encumbrances:

The intending bidders should make their own independent inquiries regarding the encumbrances, title of properties put on auction and claims/ rights/ dues affecting the property, prior to submitting their bid. The e-Auction advertisement does not constitute and will not be deemed to constitute any contribution or any representation of the bank. The property is being sold with all the existing and future encumbrances whether known or unknown to the bank. The Authorized Officer/Secured Creditor shall not be responsible in any way for any third party claims/ rights/ dues.

For detailed terms and conditions of the sale, please refer to the link provided in State Bank of India the Secured Creditor Website: www.sbi.co.in, <https://www.mstcecommerce.com/auction/home/bap/index.jsp> and <https://bap1.in>, or contact: 0799053400 or 7800640973

This notice should also be considered as 30 Days Notice to the Borrowers / Guarantors / Mortgagees under Rule 8(6) of The Security Interest (Enforcement) Rule, 2002.

Date : 11.02.2023,
Place : Ahmedabad

Sd/- Authorized Officer,
State Bank of India

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material, labor charges, transportation, scanning and censoring charges etc., the work should be carried out by engineer in-charge	
35/-	अनुसूचित जातों/अनुसूचित वर्गों के लिए 35/-
35/-	अनुसूचित जातों/अनुसूचित वर्गों के लिए 35/-

Government of Karnataka
KARNATAKA SLUM DEVELOPMENT BOARD
 #55, 1st Floor Abhaya Complex, Risalder Street, Sheshadripuram, Bengaluru-560028. Ph: 080-23462035
 No: KSDB/Commr/TD-CP/PMAY-HFA/2022-23/843
 Dated: 10/02/2023

INVITATION FOR TENDERS (IFT) - TWO COVER SYSTEM (SHORT TERM RE-TENDER Call-3)

The Karnataka Slum Development Board (KSDB) Bengaluru invites item rate tenders for the work of Construction of 1000 Houses including infrastructure works of the Slum Dwellers of Various Slums in Shikaripura & Shiralakkoppa Town/Cities under PMAY(U)-HFA Scheme (Call-3) with convergence of state housing schemes, from the eligible class-1 registered KPWD/CPWD contractors.

Calendar of Events	
Time and Date of Pre Bid Conference	16.02.2023 at 03:00 p.m.
Last Date and Time for receipt of Tenders in Portal	21.02.2023 at 04:00 p.m.
Time and Date of Opening of Tender Documents (Qualification Information)	23.02.2023 at 04:00 p.m.
Time and Date of Opening of Financial Bid	Time and Date will be intimated for the eligible bidders
Place of Receiving and Opening of Tender Documents	Office of the Technical Director Dharwad Circle Karnataka Slum Development Board # 55, Ground Floor Abhaya Complex, Risalder Street, Sheshadripuram, Bengaluru-20. Phone: +91 80 23564651, 23462436. Email id: tddharwadksdb@gmail.com Website: https://karunadu.karnataka.gov.in/ksdb

If there are any changes to the above notification, it will be published in e-procurement portal only. Tender Documents, schedule, specifications are available on the website: <https://www.eproc.karnataka.gov.in> Tender form fees & EMD details are available on the e-procurement portal. EMD and tender processing fees shall be paid using e-procurement payment modes only. Tender application must be accompanied by earnest money deposit specified for the works and shall have to be valid for 45 days beyond the validity of tender date.

Sd/- Commissioner,
 Karnataka Slum Development Board, Bengaluru.
 DPR/CPWD/2022/23/843

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The Bidders may obtain the RFP documents on all working days between 10:30 hrs (IST) and 16:00 hrs (IST) from 15/02/2023 to one working day prior to bid submission for the projects mentioned below on payment of a non-refundable fee of Rs. 5,00,000/- or USD 7,000 plus applicable GST @15%, from 8th Floor, Wing - A, Statesman House, Connaught Place, New Delhi - 110001, Tel: 91-11-23443990; Fax: 91-11-23443990; e-mail: pfcindia@pfcindia.com. The RFP documents can also be downloaded from <https://www.mpscmcl.com> and <https://www.pfcindia.com>, however, in such case, interested party can submit Response to RFP only on submission of non-refundable fee of Rs. 5,00,000/- or USD 7,000 plus applicable GST @15% separately. The survey report and clarification to RFP documents shall be issued to those bidders, who have obtained/purchased RFP documents by paying requisite fee at least one working day prior to bid submission date. Bidders should regularly visit website to keep themselves updated regarding clarifications/ amendments/ time extensions etc., if any. The important timelines in this regard are as follows:

S. No	Name of Transmission Scheme	Last Date for asking clarifications (dd/mm/yyyy)	Last Date for submission of response to RFP (dd/mm/yyyy)	Date of opening of Response to RFP (dd/mm/yyyy)
1.	Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-I) (Bikaner Complex): PART-A	07/03/2023	21/04/2023 up to 15:00 hrs. (IST)	21/04/2023 up to 15:30 hrs. (IST)
1.	Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-I) (Bikaner Complex): PART-B	07/03/2023	21/04/2023 up to 16:00 hrs. (IST)	21/04/2023 up to 16:30 hrs. (IST)

Note: PFC Consulting Limited reserves the right to cancel or modify the process without assigning any reason and without any liability. This is not an offer.

Bid Process Coordinator

PFC CONSULTING LTD.

(A wholly owned subsidiary of PFC Ltd.)
 (A Govt. of India Undertaking)

An Initiative of



Ministry of Power
 Government of India

Initiative Partner



Central Electricity Authority

3	USE & DRAFT OF TENDER DND submission
4	Date & time of online bid opening
5	Date of opening of financial bid

485

The bid document with all information re: Prequalification criteria and terms & c: <https://tenders.mpscmcl.com> The Authority without assigning any reason thereof.

कार्यालय कलेक्टर (ख)

E-mail :- mo

पत्र क्र. /207 /ई-नीलामी सूचना / के
 रेत खनिज की अल

राज्य शासन द्वारा प्रदेश में 1 नियम, 2019 अन्तर्गत समूहवार खदा आमंत्रित करने हेतु जिला कलेक्टर खनिज की अधिपति हेतु मण्डल 208/1/140/ 2021/12/2 भोवाल के संचालन हेतु पूर्व की निविदा 2 अतिरिक्त एवं खदानवार मासिक अ तक (जो भी पहले हो) हेतु स <https://mptenders.gov.in> के आवेदनित करना है। प्रत्येक समूह हेतु तकनीकी प्रस्ताव एवं वित्तीय निविदा अपराह में 5.00 बजे तक रहेगी।

निविदा की विस्तृत प्रक्रिया, 1 प्रक्रिया का विवरण <https://mptenders.gov.in> वेबसाईट, मध्यप्रदेश राज्य <https://www.mpscmcl.mp.gov.in> <https://ekh.wani.mpscmcl.mp.gov.in> एवं आचार) नियम 2019 भी निम्न <https://www.minesourcesources.com> संबंध में किसी भी प्रकार के संशय पर पुच्छा पेजी का सकती है साथ सिगनेचर (क्लार-III) अध्यात्मक शासकीय मूल्य का विवरण निम्नानुगत

क्र.	समूह का नाम/संपूर्ण जिला	समूह में सम्मिलित तहसील	समूह का रेत
1	2	3	
1	समूह क्रमांक 01	मण्डल, नैनपुर	

ऑनलाइन निविदा प्रस्तुत कर तकनीकी दृष्टि का अन्य विवरण निविदा दस्तावेजों/ शर्तों में सुचारु वि एवं <https://www.mpscmcl.com> <https://mptenders.gov.in> में संयोजकरी होगा।

कोरोना में सावधानी हटी, स

T-08-Bangalore-15/23

KARNATAKA POWER CORPORATION LIMITED
(A Government of Karnataka Enterprise)
(RAICHUR THERMAL POWER STATION)
CIN: U05110KA1970SG001919

No. KPCL/2022-23/PS/WORK_IDENT 13223/CALL-3 Dated: 06.02.2023

E-TENDER NOTIFICATION

E-tenders are published in GeK, e-portal: www.eproc.karnataka.gov.in for the work of Renovation and Modification of relay logic system and electrical systems of Stacker/Reclaimer-1 at coal handling stage-1 of RTPS. EMD: Rs. 15,00,000/- Last date for receipt of tenders: 13.03.2023, upto 17.30 Hrs. All relevant details of the tender is available in the above mentioned e-portal. Further details can be had from the office of the Executive Engineer (CHP)E1, RTPS, KPCL, Shikharapur - 584170, Raichur Dist, Karnataka. Mobile: 94495 86848.

KONKAN RAILWAY CORPORATION LIMITED
(A Government of India Undertaking)

NOTICE INVITING E-TENDER

Chief Engineer, Konkan Railway Corporation Ltd., invites Open Tender in Single bid system through E-Tendering on IREPS portal from eligible contractors for the following work. Name of Work: Permanent Way zonal contract for maintenance of track under the jurisdiction of Senior Sectional Engineer, Udupi from Km 650/900 to 739/600 under Senior Regional Engineer, Karwar over Konkan Railway in Karnataka State. Tender Notice No.: KR-W-1-58-2022-17. Estimated Cost: ₹ 4,30,07,295 excluding GST. Closing Date/Time: 09.03.2023 up to 15:00 hrs for submission of online Offers/Bids. Completion period: Twenty Four months including monsoon. Manual offers shall not be accepted. Please visit <https://ireps.gov.in> website for details / participation. Corrigendum / addendum will be hosted in this website only.

KSIDC
Kerala State Industrial Development Corporation Limited
Keston Road, Kowdiar, Thiruvananthapuram - 695 003

NOTICE INVITING No.-3-TENDER

Request for Proposal (RFP) for Selection of Project Management Unit (PMU) for carrying out various activities related to Ease of Doing Business, Investment Facilitation, and coordination of various initiatives of Government of India (Agencies like DPST, NITI Aayog, etc. in the State of Kerala). Kerala State Industrial Development Corporation Limited (KSIDC), the premier industrial and investment facilitation & promotion agency of Government of Kerala, invites Proposals from competent and eligible agencies/firms who fulfil the eligibility criteria prescribed in the RFP document, for "Selection of Consultants to be engaged as the Project Management Unit (PMU) in KSIDC for implementation of activities related to Ease of Doing Business, Investment Facilitation and coordination of various initiatives of Government of India (Agencies like DPST, NITI Aayog, etc. in the State of Kerala)". Eligible bidders can submit their responses to the RFP through the e-TENDER portal (<https://tenders.kerala.gov.in>) on or before 06.03.2023, 1500 Hrs. (U.T.) 2023.

Sd/-, Managing Director

OFFICE OF THE ADDITIONAL CHIEF ENGINEER, PWD, ZONE, AJMER

No.: ACE/AJTECH/P2(30A-Ajmer)/D-5041 Date: 06.02.2023

Notice Inviting Bid No. 24/2022-23

Bids for 06 No. Works are invited from interested bidders upto 6.00 PM on Thursday 02 March 2023. Other particulars of the bid may be visited on the procurement portal (<http://eproc.rajasthan.gov.in>, <http://sppp.nj.nic.in>) of the State; and DIPR departmental website. The approximate value of the procurement is Rs. 2492.84 Lacs.

NIB No.: PWD2223A4013
UBN No.: PWD2223WS0815759 to 15763 & PWD2223WLO815764 (Vikas Dabot).

DIPR/C0126/2023 Additional Chief Engineer, PWD, Zone, Ajmer.

PFC CONSULTING LIMITED
(A wholly owned subsidiary of PFC Limited)
Regd. Office: First Floor, "Urjagidhi", 1, Barakhamba Lane, Connaught Place, New Delhi - 110001, Fax: 011-23443990

GLOBAL INVITATION (THROUGH E-BIDDING ONLY)
FOR SELECTION OF TRANSMISSION SERVICE PROVIDER ON BUILD, OWN, OPERATE AND TRANSFER (BOOT) BASIS FOR INTER-STATE TRANSMISSION PROJECTS

PFC Consulting Limited, a wholly owned subsidiary of Power Finance Corporation Limited (A Government of India Undertaking), invites proposals for setting up of transmission projects on Build, Own, Operate and Transfer (BOOT) basis following single stage two envelope process of "Request for Proposal" (RFP).

Interested bidders may refer to the RFP notification and RFP documents available on the website <https://www.matescommerce.com> and <https://www.pfcindia.com>.

The Bidders may obtain the RFP documents on all working days between 10:30 hrs (IST) and 18:00 hrs (IST) from 19/02/2023 to one working day prior to bid submission for the projects mentioned below on payment of a non-refundable fee of Rs. 5,00,000/- or USD 7,000 plus applicable GST @18%, from 9th Floor, Wing - A, Statesman House, Connaught Place, New Delhi - 110001, Tel: 91-11-23443990; Fax: 91-11-23443990; e-mail: efc@pfcindia.com. The RFP documents can also be downloaded from <https://www.matescommerce.com> and <https://www.pfcindia.com>. However, in such case, interested party can submit Response to RFP only on submission of non-refundable fee of Rs. 5,00,000/- or USD 7,000 plus applicable GST @18% separately. The survey report and clarification to RFP documents shall be issued to those bidders, who have obtained/ purchased RFP documents by paying requisite fee at least one working day prior to bid submission date. Bidders should regularly visit website to keep themselves updated regarding clarifications/ amendments/ time extensions etc., if any. The important timelines in this regard are as follows:

S. No	Name of Transmission Scheme	Last Date for seeking clarifications (dd/mm/yyyy)	Last Date for submission of response to RFP (dd/mm/yyyy)	Date of opening of Response to RFP (dd/mm/yyyy)
1.	Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): PART-A	07/03/2023	21/04/2023 up to 15:00 hrs. (IST)	21/04/2023 up to 16:30 hrs. (IST)
1.	Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): PART-B	07/03/2023	21/04/2023 up to 15:00 hrs. (IST)	21/04/2023 up to 16:30 hrs. (IST)

Note: PFC Consulting Limited reserves the right to cancel or modify the process without assigning any reason and without any liability. This is not an offer.

Bid Process Coordinator
PFC CONSULTING LTD.
(A wholly owned subsidiary of PFC Ltd.)
(A Govt. of India Undertaking)

An Initiative of
Ministry of Power
Government of India

Initiative Partner
Central Electricity Authority

TIRUNELVELI

For and on behalf of
through online only with
Engineer (H), C&M, Trans
(H) C&M Division
Details of works, app
other details are avail
<https://tenders.gov.in>
above Government webs
DPR/MS/ Tender / 2023

KARNATAKA
49, East 1
Bengaluru -

No. IADS/ENGG/ETND-EP-8

NOT
(Thru)

Item rate Tender under I below as per the Karnat Rules 2000 through ele valid Class-I (Electrical) got adequate financial n work of Providing Pow Phase-2 (Mindahalli Vil The last date and time of Applicants May Downlo <https://eproc.karnataka>

DIPR/CPIA/49/2022-23

[illegible]

KSIDC
Kerala State Industrial Development Corporation Limited
Keston Road, Kowdiar, Thiruvananthapuram - 695 003

NOTICE INVITING Bids-TENDER
 x Proposal (RFP) for Selection of Project Management Unit (PMU) for
 at various activities related to Ease of Doing business, Investment
 n, and combination of various initiatives of Government of India
 like DPIIT, NITI Aayog, etc. in the State of Kerala.
 le Industrial Development Corporation Limited (KSIDC), the premier industrial
 traint facilitator & promotion agency of Government of Kerala, invites
 bon competent and eligible agencies/firms who fulfil the eligibility criteria
 in the RFP document, for "Selection of Consultants to be engaged as the
 management Unit (PMU) in KSIDC for implementation of activities related
 f Doing Business, Investment Facilitation and coordination of various
 of Government of India (Agencies like DPIIT, NITI Aayog, etc. in the State
 ". Eligible bidders can submit their responses to the RFP through the
 portal (<http://tenders.kerala.gov.in>) on or before 06.03.2023, 1500 hrs.
 Sd/-, Managing Director

KARNATAKA POWER CORPORATION LIMITED
(A Government of Karnataka Enterprise)
CIN: U05110KA1970SC000199

UNAMCI, RCB-CTA/RTSP/Feb 2023 Dated: 13.02.2023

JOINT TERM NOTICE INVITING TENDER
(e-procurement System) (Through GoK e-procurement portal only)
Interested bidders from reputed companies/ persons for Appointment of Coal
station Agency for transportation/ Lifting of coal from WCL mines to
available WCL Siding/ Railway Goods siding and loading into Indian
wagons, Movement, Handling & Delivery of approximately 4.0 lakh MTs in
one lot, Package-1 and Package-2 of 2 Lakh MT each of coal by Road con-
to Rajahmundry Thermal Power Station (RTPS) including the works of
eg. Supervision, Monitoring of Quantity and Quality of coal for a period of Six
The tender document can be downloaded from the website: <https://eproc.mahabaleswari.in>
The last date for receipt of the completed bids: 17.00 hrs. on 24.02.2023. Further
can be obtained from The Superintending Engineer (Mines), MPCL, No. 82,
Haven II Floor, Race Course Road, Bengaluru-560 031. Ph: 080-22269899,
eproc@mahabaleswari.in Website: <https://eproc.mahabaleswari.in>

**BANGALORE WATER SUPPLY
AND SEWERAGE BOARD**

Office of the Chief Engineer (Project)
Inoor, Cauvery Bhavan, K.G. Road, Bengaluru - 560039

INVITATION FOR TENDER

ISB invites tender in Two Cover System from reputed
franchised dealers for Supply & Fixing of
normal dia thermoplastic sewer hose Constructed of
polyester for internal inner core, two braids of synthetic fibre
reinforcing materials covered by polyether-urethane,
min bend radius 100 mm to 127 mm, burst pressure
not be less than 7500 PSI (525 bar), working pressure
not be less than 3000 PSI (210 bar), dimension outer
diameter 29 mm to 32 mm, weight of the hose 420 gms to
450 gms per meter. Temperature limit -40°C to 60°C, along
with test certificate certified by 3rd party agency FOR all
Central Stores, Malleshwaram.

date and time for Receipt of tenders is on 28.02.2023
at 16:00 hours. The Technical bids will be opened on
03.2023 at 16:00 hours. The details regarding the tender
participation in the e-procurement portal process can be
used by logging on to <https://eproc.karnataka.gov.in>.
for further details contact the undersigned office during
working hours.

Sd/-
Chief Engineer (Project)

K +

1	A. SH A. JAGADISHWAR S/o A. BICHAPA, R/o-1-88, Kankale, Municipal Mandal, Sangareddy District, Telangana. (PPB No. T09140300879)	54/sq/21	Ac.0.2500 guntas	NORTH: Land belonging to Chavali in Sy No.51, SOUTH: Others' Land in Sy No.54, EAST: Govt. land in Sy No. 52, WEST: Veeranna's Land in Sy No.54/sq/22.
2	A. VEERANNA S/o A. BICHAPA, R/o-1-88, Kankale, Municipal Mandal, Sangareddy District, Telangana. (PPB No. T09140300877)	54/sq/22	Ac.0.2800 guntas	NORTH: Land belonging to Chavali in Sy No.51, SOUTH: Others' Land in Sy No.54, EAST: JAGADISHWAR's land in Sy No.54/sq/21, WEST: A SUBHASH's Land in Sy No.54/sq/23.
3	A. VEERANNA S/o A. BICHAPA, R/o-1-88, Kankale, Municipal Mandal, Sangareddy District, Telangana. (PPB No. T09140300877)	55/sq/22	Ac.1.2050 guntas	NORTH: Land belonging to B.Anil Kumar in Sy No.55/sq/21, SOUTH: A. SUBHASH's Land in Sy No.55/sq/23, EAST: A SUBHASH's Land in Sy No.54/sq/23, WEST: Others' Land in Sy No.55.
4	A. SUBHASH S/o A. BICHAPA, R/o-1-88, Kankale, Municipal Mandal, Sangareddy District, Telangana. (PPB No. T09140300878)	54/sq/23	Ac.0.2600 guntas	NORTH: Land belonging to Chavali in Sy No.51, SOUTH: Others' Land in Sy No.54, EAST: A. Veeranna's Land in Sy No.54/sq/22, WEST: by No.52, Land belonging to Anil Kumar and Others.
5	A. SUBHASH S/o A. BICHAPA, R/o-1-88, Kankale, Municipal Mandal, Sangareddy District, Telangana. (PPB No. T09140300878)	55/sq/23	Ac.0.2700 guntas	NORTH: A. Veeranna's Land in Sy No.55/sq/22, SOUTH: Others' Land in Sy No.54 Part: EAST: Others' Land in Sy No.54, WEST: Others' Land in Sy No.55.
6	SH B. ANIL KUMAR S/o B. Bikkappa R/o-1-27, Kankale, Municipal Mandal, Sangareddy District, Telangana. (PPB No. T09140301052)	55/sq/21	Ac.0.2850 guntas	NORTH: Land in Sy No.51 part belonging to others, SOUTH: A. Veeranna's Land in Sy No.55/sq/22, EAST: SUBHASH's Land in Sy No.54/sq/23, WEST: Others' Land in Sy No.55.
Total extent of land				Ac-1.33 guntas
<p>All or any person having any claim of whatsoever nature in the said Property by way of sale, exchange, lease, license, trust, lien, easement, inheritance, possession, attachment, mortgage, charge, gift, or pendence or otherwise is hereby requested to raise the same known in writing with copies of all supporting documents to the undersigned at the office address mentioned herein below within 10 days from today, failing which it shall be presumed that no such claim exists and even if such claim exists in law or otherwise it shall be deemed that the claimant has / have relinquished such claim and/or waived his/her rights to exercise such claim and such claim shall not be binding on our client and our client shall proceed with this transaction.</p>				
Hyderabad Dated: 12.02.2023				<p>Sd/- SATHAKARNI Advocate, B-2-65A/185, Plot No.101, Sangari Prashanti Apts, Sangari Valley Plot No.12, Sangari Hills, Hyderabad 500034. Ph.No. 042-23821124</p>

Estimated Cost: ₹ 43,07,295 excluding GST
09.03.2023 up to 15.03.2023 for submission
Completion period: Twenty Four months
Manual offers shall not be accepted. Please visit the website for details / participation. Content hosted in this website only.

CENTRAL SILK TECHNOLOGICAL RESEARCH
CENTRAL SILK RESEARCH
Ministry of Textiles, Govt.
CSB Complex, BTM Layout, Madhavara, Bangalore
Ph: 080-2625375/2326, Fax: 080-2668003

Sub: Rate Contract for indigenous Auto Package Empanelment of Manufact Semagra-I (Extended and Valid Upto 3

Appx. Overall Trend

The CSRI, Central Silk Board, Sericulture Development Board, and the e-procurement portal under two manufacturers or their Authorised Agents, in accordance with revised public procurement (Make in India) Order No. 2017 dated 15.06.2017 of Commerce and Industries, Govt. of India, for manufacturing and supply [to the Government of India] Automatic Reeling Machinery Packaged in a container for Exportation of Manufacturers/Suppliers.

Interested parties may download the specifications, terms & conditions from the websites www.cstri.com, www.eprocure.gov.in

Last date of submission of bids	13
Date of opening of bids	13

CBC: 41109/12/0011/2229

PFC CONSULTING LIMITED

(A wholly owned subsidiary of PFC Limited)
 Regd. Office: First Floor, "Ujanigrihi", 1, Barakhamba Lane, Connaught Place,
 New Delhi - 110001, Fax: 011-23443990

GLOBAL INVITATION (THROUGH E-BIDDING ONLY)

FOR SELECTION OF TRANSMISSION SERVICE PROVIDER ON BUILD, OWN, OPERATE AND TRANSFER (BOOT) BASIS FOR INTER-STATE TRANSMISSION PROJECTS

PFCL Consulting Limited, a wholly owned subsidiary of Power Finance Corporation Limited (A Government of India Undertaking), invites proposals for setting up of transmission projects on Build, Own, Operate and Transfer (BOOT) basis.

Interested bidders may refer to the RFP notification and RFP documents available on the website <http://www.worldbank.org> and <http://www.ppfchina.com>.

The Bidders may obtain the RFP documents on all working days prior to the payment of a non-refundable fee of Rs. 5,00,000/- or USD 7,000 plus applicable GST @10%, from 8th Floor, Wing - A, Statesman Hotel, Connaught Place, New Delhi - 110001, Tel: 91-11-23443986; Fax: 91-11-23443989; e-mail: pfcc@pfccindia.com. The RFP documents can also be downloaded from <https://www.mpscommercials.com> and <https://www.pfccindia.com>, however, in such case, interested party can admit Response to RFP only on submission of requisite fee of Rs. 5,00,000/- or USD 7,000 plus applicable GST @10% separately. The survey report and non-refundable fee of Rs. 5,00,000/- or USD 7,000 plus applicable GST @10% separately. The survey report and certification to RFP documents will be issued to those bidders, who have obtained/purchased RFP documents by paying requisite fee of at least one working day prior to bid submission date. Bidders should regularly visit website to keep themselves updated regarding specifications/ amendments/ time extensions etc., if any. The important timelines in this regard are as follows:

S. No.	Name of Transmission Scheme	Last Date for seeking clarifications (dd/mm/yyyy)	Last Date for submission of response to RFP (dd/mm/yyyy)	Date of opening of Response to RFP (dd/mm/yyyy)
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1.	Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): PART-B	07/03/2023	21/04/2023 up to 16:00 hrs. (IST)	21/04/2023 up to 16:30 hrs. (IST)

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Bid Process Coordinator

 PCC CONSULTING LTD.

(A wholly owned subsidiary of PPG Ltd.)
A Div. of India Undertaking

An initiative of



Ministry of Power
Government of India

Initiative Partner



Central Electricity Authority

TOI- Hyderabad-15/2/23

कार्यपालक अभियंता का कार्यालय
सिंचाई प्रमंडल, गालूडीह।
eeidgal.icha@gmail.com

अल्पकालीन ई० निविदा आमंत्रण सूचना

1. विभाग का नाम- जल संसाधन विभाग, झारखण्ड सरकार
2. विभाग/प्रमंडल का पदनाम - कार्यपालक अभियंता, सिंचाई प्रमंडल गालूडीह।
3. निविदा अनिवार्य वेबसाइट पर प्रकाशन की तिथि एवं समय - 20.02.2023 अपराह्न 3.00 बजे।
4. निविदा अनिवार्य वेबसाइट पर प्रकाशन करने की तिथि एवं समय - 20.02.2023 अपराह्न 3.00 बजे से 07.03.2023 अपराह्न 03.00 बजे तक।
5. ऑनलाइन निविदा प्रस्तुत करने की अंतिम तिथि एवं समय - 07.03.2023 अपराह्न 6.00 बजे तक।
6. निविदा खुलने की तिथि एवं समय - 16.03.2023 अपराह्न 12.30 बजे।
7. अंशदान की राशि एवं विभाग विपत्र का मूल्य जमा करने की तिथि एवं स्थान - 20.02.2023 अपराह्न 6.00 बजे तक।

कार्यपालक अभियंता का कार्यालय
सिंचाई प्रमंडल गालूडीह।

क्र. सं.	कार्य का नाम	ई० निविदा संख्या सं.	प्रस्तावित राशि (रु०)	अंशदान की राशि (रु० में)	संलग्न विपत्र का मूल्य	अंश संपादन की अवधि
1	Provision of Shade, Motor and R/M of C/R cum Escape at 54.843 km of GRMC.	WRD/IRRDIVGA LUDIH/ F2-05/ 2022-23, Dt- 13-02-2023	1,08,52,218.71	2,17,500.00	10000.00	6 माह

नोट :- केवल ई०-निविदा स्वीकार होगा। प्रस्तावित राशि घट-बढ़ सकती है। अनुमान अंशदान की राशि देय होगा। परिधान विपत्र का मूल्य केवल बैंक ड्राफ्ट के माध्यम से ही स्वीकार किया जाएगा, जो कार्यपालक अभियंता, सिंचाई प्रमंडल, गालूडीह के नाम से भारतीय स्टेट बैंक, मक नगर शाखा पर देय होगा। विशेष जानकारी के लिए वेबसाइट <http://jharkhandtenders.gov.in> पर देखें।

PR 290251 (Water Resource) 22-23 (3)

कार्यपालक अभियंता
सिंचाई प्रमंडल, गालूडीह।

PFC CONSULTING LIMITED

(A wholly owned subsidiary of PFC Limited)

Regd. Office: First Floor, "Urjanichi", 1, Barakhamba Lane, Connaught Place, New Delhi - 110001, Fax: 011-23443990

GLOBAL INVITATION (THROUGH E-BIDDING ONLY)

FOR SELECTION OF TRANSMISSION SERVICE PROVIDER OR BUILD, OWN, OPERATE AND TRANSFER (BOOT) BASIS FOR INTER-STATE TRANSMISSION PROJECTS

PFC Consulting Limited, a wholly owned subsidiary of Power Finance Corporation Limited (A Government of India Undertaking), invites proposals for setting up of transmission projects on Build, Own, Operate and Transfer (BOOT) basis following single stage two envelope process of "Request for Proposal" (RFP).

Interested bidders may refer to the RFP notification and RFP documents available on the website <https://www.mstcescommarcs.com> and <https://www.pfcindia.com>.

The Bidders may obtain the RFP documents on all working days between 10:30 hrs (IST) and 16:00 hrs (IST) from 15/02/2023 to one working day prior to bid submission for the projects mentioned below on payment of a non-refundable fee of Rs. 5,00,000/- or USD 7,000 plus applicable GST @18%, from 1st Floor, Wing - A, Statesmen House, Connaught Place, New Delhi - 110001, Tel: 91-11-23443990; Fax: 91-11-23443990; e-mail: pfcindia@pfcindia.com. The RFP documents can also be downloaded from <https://www.mstcescommarcs.com>, and <https://www.pfcindia.com>, however, in such case, interested party can submit Response to RFP only on submission of non-refundable fee of Rs. 5,00,000/- or USD 7,000 plus applicable GST @18% separately. The survey report and clarification to RFP documents shall be issued to those bidders, who have obtained/purchased RFP documents by paying requisite fee at least one working day prior to bid submission date. Bidders should regularly visit website to keep themselves updated regarding clarifications/ amendments/ time extensions etc., if any. The important timelines in this regard are as follows:

S. No.	Name of Transmission Scheme	Last Date for seeking clarifications (dd/mm/yyyy)	Last Date for submission of response to RFP (dd/mm/yyyy)	Date of opening of Response to RFP (dd/mm/yyyy)
1.	Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): PART-A	07/03/2023	21/04/2023 up to 15:00 hrs. (IST)	21/04/2023 up to 15:30 hrs. (IST)
1.	Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): PART-B	07/03/2023	21/04/2023 up to 16:00 hrs. (IST)	21/04/2023 up to 16:30 hrs. (IST)

Note: PFC Consulting Limited reserves the right to cancel or modify the process without assigning any reason and without any liability. This is not an offer.

Bid Process Coordinator

PFC CONSULTING LTD.

(A wholly owned subsidiary of PFC Ltd.)
(A Govt. of India undertaking)

An initiative of

Ministry of Power
Government of India

Initiative Partner



Central Electricity Authority

1.	विपत्र सं.
2.	वेबसाइट का लिंक सं.
3.	वेबसाइट से निविदा आमंत्रण सं.
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नोट :- केवल ई०-निविदा स्वीकार होगा। प्रस्तावित राशि घट-बढ़ सकती है। अनुमान अंशदान की राशि देय होगा। परिधान विपत्र का मूल्य केवल बैंक ड्राफ्ट के माध्यम से ही स्वीकार किया जाएगा, जो कार्यपालक अभियंता, सिंचाई प्रमंडल, गालूडीह के नाम से भारतीय स्टेट बैंक, मक नगर शाखा पर देय होगा। विशेष जानकारी के लिए वेबसाइट <http://jharkhandtenders.gov.in> पर देखें।

PR 290247 Water Resource 22

JHARKHAND DEVELOPMENT MCH BUILDING
(CIN - U855100)
Web
GST NO

EOI No-JMC-SH-1

For Court

The Jharkhand Media
expression of interest from the right
of Jharkhand at least from the last 3

Scope of Work
Operational duration
Contract Period
Payments
Documents Required
Application and Quotation

Quotation Format

SJ	Name of the Dist (Location of the local consignments)
	The above rates may for receiving the goods from the charges will be payable other than
	Submission of Bills
	Others
	Last date of Submission applic and quotation

PR 290291 Jharkhand Media
Dev & Procurement Corp Ltd

To: Patna- 15/2/23

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बिना किसी भी शर्त के बिना की वेबसाइट
www.pfcindia.com से जहाँ सभी बिदाई के
लिए लिंक दिए जा सकते हैं।
विशेष सूचना:-
विशेष निविदा की तिथि- 15.02.2023 से
21.02.2023 तक प्रतिदिन 10:00 बजे तक।
विशेष बोली की तिथि- 22.02.2023 तक प्रतिदिन
10:00 बजे तक। विविध बिदाई की तिथि
22.02.2023 तक प्रतिदिन 11:00 बजे तक।

The Both Technical/Financial Bid will be opened on 22, February, 2023 at 14:00 pm at the office of Municipal Commissioner Ayodhya Nagar Nigam, Uttar Pradesh.

T02-Lucknow-15/2/23

Municipal Commissioner
Ayodhya Nagar Nigam

489

NORTHERN RAILWAY

E-AUCTION NOTICE

at Commercial Management, Northern Railway/Lucknow invites following work:-

Unit/Zone	Lucknow-NR-Division-Commercial/Northern Railway
Logue No./Lot no.	Parking-LKO-RGN-TW-49-23-1 (Parking - Two Wheeler)
Published on	13.02.2023
Start (All Lots)	01.03.2023 at 10:00 hrs
Close Date/Time	01.03.2023 at 10:30 hrs
Logue No./Lot no.	Parking-LKO-BSE-TW-42-23-1 (Parking - Two Wheeler)
Published on	13.02.2023
Start (All Lots)	01.03.2023 at 10:00 hrs
Close Date/Time	01.03.2023 at 10:40 hrs
Logue No./Lot no.	Parking-LKO-MLJ-TW-57-23-1 (Parking - Two Wheeler)
Published on	13.02.2023
Start (All Lots)	01.03.2023 at 10:00 hrs
Close Date/Time	01.03.2023 at 10:50 hrs
Logue No./Lot no.	Parking-LKO-HRM-TW-66-23-1 (Parking - Two Wheeler)
Published on	13.02.2023
Start (All Lots)	01.03.2023 at 10:00 hrs
Close Date/Time	01.03.2023 at 11:00 hrs
Logue No./Lot no.	Parking-LKO-UTR-TW-70-23-1 (Parking - Two Wheeler)
Published on	13.02.2023
Start (All Lots)	01.03.2023 at 10:00 hrs
Close Date/Time	01.03.2023 at 11:10 hrs
Logue No./Lot no.	Parking-LKO-SOP-TW-75-23-1 (Parking - Two Wheeler)
Published on	13.02.2023
Start (All Lots)	01.03.2023 at 10:00 hrs
Close Date/Time	01.03.2023 at 11:30 hrs
Logue No./Lot no.	Parking-LKO-MER-TW-74-23-1 (Parking - Two Wheeler)
Published on	13.02.2023
Start (All Lots)	01.03.2023 at 10:00 hrs
Close Date/Time	01.03.2023 at 11:40 hrs
Logue No./Lot no.	Parking-LKO-MRA-TW-88-23-1 (Parking - Two Wheeler)
Published on	13.02.2023
Start (All Lots)	01.03.2023 at 10:00 hrs
Close Date/Time	01.03.2023 at 11:50 hrs
Logue No./Lot no.	Parking-LKO-MLPS-TW-43-23-1 (Parking - Two Wheeler)
Published on	13.02.2023
Start (All Lots)	01.03.2023 at 10:00 hrs
Close Date/Time	01.03.2023 at 12:00 hrs
Logue No./Lot no.	Parking-LKO-SAG-TW-19-23-2 (Parking - Two Wheeler)
Published on	13.02.2023
Start (All Lots)	01.03.2023 at 10:00 hrs
Close Date/Time	01.03.2023 at 12:20 hrs
Logue No./Lot no.	Parking-LKO-MNH-TW-61-23-1 (Parking - Two Wheeler)
Published on	13.02.2023
Start (All Lots)	01.03.2023 at 10:00 hrs
Close Date/Time	01.03.2023 at 12:30 hrs
Logue No./Lot no.	Parking-LKO-FLE-TW-51-23-1 (Parking - Two Wheeler)
Published on	13.02.2023
Start (All Lots)	01.03.2023 at 10:00 hrs
Close Date/Time	01.03.2023 at 12:40 hrs
Logue No./Lot no.	Parking-LKO-MAN-TW-72-23-1 (Parking - Two Wheeler)
Published on	13.02.2023
Start (All Lots)	01.03.2023 at 10:00 hrs
Close Date/Time	01.03.2023 at 12:50 hrs
Logue No./Lot no.	Parking-LKO-SKN-TW-40-23-2 (Parking - Two Wheeler)
Published on	13.02.2023
Start (All Lots)	01.03.2023 at 10:00 hrs
Close Date/Time	01.03.2023 at 13:00 hrs
Logue No./Lot no.	Parking-LKO-LBA-TW-58-23-2 (Parking - Two Wheeler)
Published on	13.02.2023
Start (All Lots)	01.03.2023 at 10:00 hrs
Close Date/Time	01.03.2023 at 13:10 hrs
Logue No./Lot no.	Parking-LKO-LJL-TW-73-23-1 (Parking - Two Wheeler)
Published on	13.02.2023
Start (All Lots)	01.03.2023 at 10:00 hrs
Close Date/Time	01.03.2023 at 13:20 hrs
Logue No./Lot no.	Parking-LKO-ANTJ-TW-73-23-1 (Parking - Two Wheeler)

PFC CONSULTING LIMITED

(A wholly owned subsidiary of PFC Limited)

Regd. Office: First Floor, "Urjanidhi", 1, Barakhamba Lane, Connaught Place, New Delhi - 110001; Fax: 011-23443990

GLOBAL INVITATION (THROUGH E-BIDDING ONLY)

FOR SELECTION OF TRANSMISSION SERVICE PROVIDER ON BUILD, OWN, OPERATE AND TRANSFER (BOOT) BASIS FOR INTER-STATE TRANSMISSION PROJECTS

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S. No	Name of Transmission Scheme	Last Date for seeking clarifications (dd/mm/yyyy)	Last Date for submission of response to RFP (dd/mm/yyyy)	Date of opening of Response to RFP (dd/mm/yyyy)
1.	Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-I) (Bikaner Complex): PART-A	07/03/2023	21/04/2023 up to 15:00 hrs. (IST)	21/04/2023 up to 15:30 hrs. (IST)
1.	Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-I) (Bikaner Complex): PART-B	07/03/2023	21/04/2023 up to 16:00 hrs. (IST)	21/04/2023 up to 16:30 hrs. (IST)

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Bid Process Coordinator

PFC CONSULTING LTD.

(A wholly owned subsidiary of PFC Ltd.)
(A Govt. of India Undertaking)

An Initiative of



Ministry of Power
Government of India

Initiative Partner



Central Electricity Authority



U.P. POWER CORPORATION LIMITED

14-ASHOK MARG, SHAKTI BHAWAN, LUCKNOW.

CIN - U32301UP199900004900

website: www.upcorpn.org.in

EXTRACTS OF STANDALONE FINANCIAL RESULTS FOR THE QUARTER ENDED 31ST DECEMBER 2022

(Regulation 52 (B), read with Regulation 52 (A), of the SEBI (LODR) Regulations, 2015)

(₹ in Crore)

SL. NO.	PARTICULARS	3 Months ended 31.12.2022	Corresponding 3 months for the previous year ended 31.12.2021	Previous year ended 31.03.2022
		Unaudited	Unaudited	Audited
1	Total Income from Operations	18366.88	13017.39	54938.73
2	Net Profit (Loss) for the period (before Tax, Exceptional and/or Extraordinary items)	(2729.60)	(6364.18)	(8144.38)
3	Net Profit (Loss) for the period before tax (after Exceptional and/or Extraordinary items)	(2729.60)	(6364.13)	(8208.02)
4	Net Profit (Loss) for the period After tax (after Exceptional and/or Extraordinary items)	(2729.60)	(6364.13)	(8208.02)
5	Total comprehensive income for the period (Comprising Profit/Loss) for the period (after tax) and Other Comprehensive income (after tax)	(2729.61)	(6364.13)	(8208.25)
6	Paid up Equity Share capital (Face value of ₹ 1000/- per share)	116270.46	109444.78	109679.38
7	Reserves (excluding Revaluation Reserve)	(86934.47)	(84728.55)	(81124.94)
8	Securities Premium Account	NA	NA	NA
9	Net worth	29705.83	22052.68	30811.50
10	Outstanding Debt	71556.10	69673.13	71875.54
11	Outstanding redeemable preference shares	NA	NA	NA
12	Debt Equity Ratio	2.39	3.16	2.31
13	Earning per share (in ₹) (for continuing and discontinued operations)			
	Basic	(25.53)	(75.86)	(78.11)
	Diluted	(25.53)	(75.86)	(78.11)
14	Capital redemption reserves	NA	NA	NA
15	Debt redemption reserves	NA	NA	NA
16	Debt Service Coverage Ratio	0.002	(0.002)	(0.001)
17	Interest Service Coverage Ratio	(3.33)	(8.96)	(1.25)

Note 1: The above unaudited standalone results of UPCL have been reviewed by the audit committee of the Board of Directors in the meeting held on 14th February, 2023 and approved by the Board of Directors in their meeting held on the same day.

Note 2: The above is an extract of the detailed format of Quarterly Financial Results filed with the stock exchange (BSE Limited) under regulation 52 of SEBI (LODR) Regulations, 2015. The full format of Quarterly Financial Results are available on the website of BSE Limited and the company's website at www.upcorpn.org.in.

Note 3: Additional information/other facts pursuant to Regulation 52(A) of the SEBI (LODR) 2015, have been disclosed

after Shah

Shah said there is peace in the whole North East and a new atmosphere of development and confidence has developed there.

On the Left Wing Extremism (LWE), Shah said the number of districts which had reported such incidents dropped from 96 to 46 in 2021.

There is a reduction of 70 per cent in all sorts of violence under the LWE, he said.

Haryana Chief Minister Mohan Lal Khattar, Home Minister Anil Vij, Assembly Speaker Gyan Chand Gupta along with other dignitaries were present on the occasion.

Shah also took the salute the parade held at Madhubani.

Digvijaya's intelligence has failed: Chouhan

Bhopal: Madhya Pradesh Chief Minister Shivraj Singh Chouhan has slammed former CM and veteran Congress leader Digvijaya Singh over his tweet which again raises questions on Pulwama attack.

CM Chouhan on Tuesday

said, "I think Digvijaya Singh's intelligence has failed. He insults the Indian Army, he speaks the language of Pakistan and tries to lower the morale of the Army." "Now, an investigation should be done of Digvijaya Singh that, who sows the seed

of speaking against the country and against the army in his mind. The DNA of the Congress party should be investigated which walks in Padyatra along with people who break India in the name of Bharat Jodo. It is a wonder," Chouhan said.

PFC CONSULTING LIMITED

(A wholly owned subsidiary of PFC Limited)

Regd. Office: First Floor, "Urjanigh", 1, Baratham Lane, Connaught Place, New Delhi - 110001. Fax: 011-23443990

GLOBAL INVITATION (THROUGH E-BIDDING ONLY)

FOR SELECTION OF TRANSMISSION SERVICE PROVIDER ON BUILD, OWN, OPERATE AND TRANSFER (BOOT) BASIS FOR INTER-STATE TRANSMISSION PROJECTS

PFC Consulting Limited, a wholly owned subsidiary of Power Finance Corporation Limited (A Government of India Undertaking), invites proposals for setting up of transmission projects on Build, Own, Operate and Transfer (BOOT) basis following single stage two envelope process of "Request for Proposal" (RFP).

Interested bidders may refer to the RFP notification and RFP documents available on the website <https://www.mstcsonline.com> and <https://www.pfcindia.com>.

The Bidders may obtain the RFP documents on all working days between 10:30 hrs (IST) and 16:00 hrs (IST) from 15/02/2023 to one working day prior to bid submission for the projects mentioned below on payment of a non-refundable fee of Rs. 5,00,000/- or USD 7,000 plus applicable GST @15%, from 9th Floor, Wing - A, Statesman House, Connaught Place, New Delhi - 110001, Tel: 91-11-23443996; Fax: 91-11-23443990; e-mail: pfc@pfcindia.com. The RFP documents can also be downloaded from <https://www.mstcsonline.com> and <https://www.pfcindia.com>, however, in such case, interested party can submit Response to RFP only on submission of non-refundable fee of Rs. 5,00,000/- or USD 7,000 plus applicable GST @15% separately. The survey report and clarification to RFP documents shall be issued to those bidders, who have obtained/purchased RFP documents by paying requisite fee at least one working day prior to bid submission date. Bidders should regularly visit website to keep themselves updated regarding clarifications/amendments/bid extensions etc., if any. The important timelines in this regard are as follows:

S. No	Name of Transmission Scheme	Last Date for seeking clarifications (dd/mm/yyyy)	Last Date for submission of response to RFP (dd/mm/yyyy)	Date of opening of Responses to RFP (dd/mm/yyyy)
1.	Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-I) (Bikaner Complex): PART-A	07/03/2023	21/04/2023 up to 15:00 hrs. (IST)	21/04/2023 up to 15:30 hrs. (IST)
1.	Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-I) (Bikaner Complex): PART-B	07/03/2023	21/04/2023 up to 16:00 hrs. (IST)	21/04/2023 up to 16:30 hrs. (IST)

Note: PFC Consulting Limited reserves the right to cancel or modify the process without assigning any reason and without any liability. This is not an offer.

Bid Process Coordinator

PFC CONSULTING LTD.

(A wholly owned subsidiary of PFC Ltd.)
(A Govt. of India Undertaking)

An Initiative of

Ministry of Power
Government of India

Initiative Partner

Central Electricity Authority

पन्सी-221004

दा आधारित) निष्पत्ति तथा

सिद्धि पदों हेतु पैल तैयार करने के हैं। सविदा के आधार पर निष्पत्ति र जाने की स्थिति में ही निष्पत्तिमान में भी तरह से स्वयंसेवक की जांचा जाते इसी प्रकार अधिकांश आवेदन पर in से खानसलेक कर भी तथा दिनांक kvd@wgac@gmail.com पर नहीं किया जाएगा। ईमेल से आवेदन में शामिल नहीं किया जाएगा। पूरी की जाया प्रतियों एवं 2 फायरफोर्ट प्रकाश में उपस्थित होंगे। कल्याणों 1 उक्त दिनों में की जाएगी। 11 बजे शामिल नहीं किया जाएगा। अतः

विषय/PGT: Political Science,
निजी/EGT: ENGLISH, SAN-

र (पौजारत): COMPUTER
की DATA ENTRY OPERA-
(6th Additional subject in 9th
का संकाय है।)

जि, Educational Counsellor,
rso)

चदलास का अनुपेक्ष प्रवीकार नहीं
है इसी चदलास किया जा सकता है
फरते ही जाएगी।

ह 8 बजे तक उपस्थित हों। निम्न
प्राप्त देखें।

में संकायकार बोर्ड का निर्णय अंतिम

विषय पर उसी दिन एक लिखित परीक्षा
क जाने वाले 10 अभ्यर्थियों का ही
आधार का निर्णय अंतिम होगा।

क्षेत्रीय कार्यालय

उत्तर प्रदेश प्रदूषण नियंत्रण बोर्ड

आवास विकास परिवार कालोनी, सेक्टर-10, योजना संख्या-3,
द्वैसी, प्रयागराज-221506, फोन-0532-2569727

जन-सूचना

पर्यावरणीय स्वीकृति हेतु लोक सुनवाई के लिये आम सूचना

सर्वे साधारण को सूचित किया जाता है कि जनसद-कईशामी के तहसील मंडसपुर में उपखनिज साधारण कालु/मौरम खनन परियोजना की पर्यावरणीय स्वीकृति की लोक सुनवाई हेतु निम्न परियोजना इलाका का राज्य बोर्ड में आवेदन किया गया है:-

क्र. सं.	परियोजना	लोक सुनवाई हेतु प्रस्तावित तिथि, समय एवं स्थान
1	2	3
मेसर्स यमनाली विनट्रैड प्राइम लिमिटेड (बी) कालीक मोहम्मद के		दिनांक 17.03.2023 को सायं 04.00 बजे

persons for Appointment of Coal
Lifting of coal from WCL mines to
Good shed siding and loading into Indian
Delivery of approximately 4.0 lakh MTs in
2 of 2 Lakh MT each of coal by Road cum
Station (RTPS) including the works of
quantity and Quality of coal for a period of Six
months from the website: <https://eproc.karnataka.gov.in>
dated 17.08.2023. Further
Intending Engineer (Mines), KPC, No. 82,
Old, Bengaluru-560 001, Ph: 080-2203894,
site: <https://eproc.karnataka.gov.in>

NOTICE

PT. KULWANT SINGH GREWAL 2,
of Mumbai are the owners of the
reunder. The aforesaid owners are
sale of the said land to my client and
r title as owners of the said land is

person/s has/have any claim/right
lease, lien, mortgage, possession
said land described in the schedule
I am required to inform the same to
necessary documents within 15 days
filing which my client shall complete
to such claim/s and the same if any
lived or abandoned.

bearing Plot no. 24 admeasuring 0
ing Cat no. 1278/1, Wagholi, Tal.
asuring 2 H. 00 Acres and situated
Apel Corporation and within the
li - and the said land is bounded as

28.

attached to the said land.

ANIL S. HERVE,
Advocate High Court,
Office no. 9, Trupati Complex,
355, Rasta Path, Pune - 11,
Mob. no. 9822009289.

RE WATER SUPPLY WERAGE BOARD

of Engineer (Project)
K.G. Road, Bengaluru - 560009
CWYTA-2/2023-24 Dtd 13.02.2023

(FOR TENDER recruitment portal only)

two Cover System from reputed
sellers for Supply & Fixing of
lastic sewer-hose Constructed of
ore, two braids of synthetic fibre
vered by polyether-urethane,
mm to 127 mm, burst pressure
PSI (525 bar), working pressure
PSI (210 bar), dimension outer
weight of the hose 420 gms to
ature limit -40°C to 60°C, along
1 by 3rd party agency FOR at
m.

65,620/- EMD : ₹ 2,56,000/-

ipt of tenders is on 28.02.2023
chnical bids will be opened on
The details regarding the tender
ecurement portal process can be
<https://eproc.karnataka.gov.in>
the undersigned office during

Sd/-
Chief Engineer (Project)

Permanent Way zonal contract for maintenance of track under the
jurisdiction of Senior Sectional Engineer, Udipi from Km 650/900 to
739/600 under Senior Regional Engineer, Karwar over Konkani
Railway in Karnataka State. Tender Notice No.: KR-W-1-58-2022-17.
Estimated Cost: ₹ 4,30,07,295 excluding GST. Closing Date/Time:
09.03.2023 up to 15:00 hrs for submission of online Offers/Bids.
Completion period: Twenty Four months including monsoon.
Manual offers shall not be accepted. Please visit <https://reps.gov.in>
website for details / participation. Corrigendum / addendum will be
hosted in this website only.

COIR BOARD SHOWROOM SPACE NEEDED

Competitive offers are invited from interested parties,
having legal title, to lease out space as detailed below for
housing the proposed Showroom & Sales Depot of the Coir
Board at Pune, Maharashtra.

Area Required : 1000 to 1500 Sq. ft (approx.) in ground floor
Location : Prominent business area in Pune City centre.

Offers in sealed cover superscripted "Offer for renting out
space for Showroom space at Pune" indicating per sq.ft rate of
expected rent and other terms and conditions should reach the
Zonal Director, Coir Board Showroom & Sales depot, Ground
floor, Marol Telephone Exchange, MIDC, Central Road, Andheri
East, Mumbai - 400093. (Phone: 022-28384666) on or before
3:00 PM on 03.03.2023. The offers will be opened on the same
day at 3:30 PM in the presence of bidders, if any, present.

Secretary, Coir Board reserves the right to accept or reject any
or all of the tenders without assigning any reason what so ever.
Visit our website: www.coirboard.gov.in for further
modifications/amendments, if any, to this notice.

10.02.2023

Sd/- Secretary
CBO 25131/12/0020/2223

No. PA-C-Pay 492
Date: 14/02/2023

Pune Division, Central Railway has
called for an e-auction for the below given
assets on www.reps.gov.in through
e-auction leading module. The interested
bidders are requested to visit the website
www.reps.gov.in to know the details of
e-auction mentioned below: **Sc. No.1:**
Lot No./Category: Parking-Pune-DEHR-TW-10-22-1 (Parking-Two
Wheeler) Work: Parking Lot for Two
Wheeler at Location Dehuroad
(Up) in (Division Pune). Type of
Work: Earning. Lot Start Date & Time:
27/02/2023, 12:30 hrs. **Sc. No.2:** Lot
No./Category: Parking-Pune-MVL-TW-
5-22-2 (Parking-Two Wheeler) Work:
Parking Lot for Two Wheelers at
Location Malavli (Up) in
(Division Pune). Type of Work:
Earning. Lot Start Date & Time:
27/02/2023, 12:30 hrs. **Sc. No.3:** Lot
No./Category: Parking-Pune-CON-TW-
13-22-2 (Parking-Two Wheeler) Work:
Parking Lot for Two Wheelers at
Location Chinchwad (Up-FOB)
in (Division Pune). Type of Work:
Earning. Lot Start Date & Time:
27/02/2023, 12:30 hrs. **Sc. No.4:** Lot
No./Category: Parking-Pune-URL-TW-
16-22-2 (Parking-Two Wheeler) Work:
Parking Lot for Two Wheelers at
Location Uruli in (Division Pune).
Type of Work: Earning. Lot Start Date &
Time: 27/02/2023, 12:00 hrs. **Sc. No.5:**
Lot No./Category: Parking-Pune-HDP-
MX-25-22-1 (Parking-Mixed) Work:
Parking Lot for Two Wheelers &
Four Wheelers at Location
Hadapsar in (Division Pune).
Type of Work: Earning. Lot Start Date &
Time: 02/03/2023, 12:00 hrs.
Sr. DCM Pune

RailMaid Helpline 133

PFC CONSULTING LIMITED

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Regd. Office: First Floor, "Ujjanidhi", 1, Barakhamba Lane, Connaught Place,
New Delhi - 110001, Fax: 011-23443990

GLOBAL INVITATION (THROUGH E-BIDDING ONLY) FOR SELECTION OF TRANSMISSION SERVICE PROVIDER ON BUILD, OWN, OPERATE AND TRANSFER (BOOT) BASIS FOR INTER-STATE TRANSMISSION PROJECTS

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<https://www.mefocemr.com> and <https://www.pfcindia.com>.

The Bidders may obtain the RFP documents on all working days between 10:30 hrs (IST) and 18:00 hrs (IST) from
18/02/2023 to one working day prior to bid submission for the projects mentioned below on payment of a non-
refundable fee of Rs. 5,00,000/- or USD 7,000 plus applicable GST @18%, from 9th Floor, Wing - A, Statesman House,
Connaught Place, New Delhi - 110001, Tel: 91-11-23443896; Fax: 91-11-23443990; e-mail: pfccltd@pfcindia.com.
The RFP documents can also be downloaded from <https://www.mefocemr.com> and
<https://www.pfcindia.com>, however, in such case, interested party can submit Response to RFP only on submission of
non-refundable fee of Rs. 5,00,000/- or USD 7,000 plus applicable GST @18%. separately. The survey report and
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 requisite fee at least one working day prior to bid submission date. Bidders should regularly visit website to keep
themselves updated regarding clarifications/ amendments/ time extensions etc., if any. The important timelines in this
regard are as follows:

S. No	Name of Transmission Scheme	Last Date for seeking clarifications (dd/mm/yyyy)	Last Date for submission of response to RFP (dd/mm/yyyy)	Date of opening of Response to RFP (dd/mm/yyyy)
1.	Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): PART-A	07/03/2023	21/04/2023 up to 15:00 hrs. (IST)	21/04/2023 up to 16:30 hrs. (IST)
2.	Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): PART-B	07/03/2023	21/04/2023 up to 16:00 hrs. (IST)	21/04/2023 up to 16:30 hrs. (IST)

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Bid Process Coordinator

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Initiative Partner

Central Electricity Authority

TOT- pune- 15/2/23

220 planes from Boeing for \$34 billion, with an option to buy 70 more aircraft that could take the total transaction value to \$45.9 billion.
Full report on www.toi.in

chedule enacted tect pol morality

from P 1

Schedule enacted to protect morality of the nation is now being its hand. The provisions of the law by all government and its respective courage and said. The five-judge bench in the Kihoto judgment in that constitution should in the dis- proceed before the in another bench in the had inter-proceedings speaker. This reference of the whether the be debarred

from deciding disqualification petitions against defecting MLAs pending a removal notice against him — to a seven-judge bench, Sibal said.

Rebia was used to legally disempower the Speaker in Maharashtra from deciding disqualification petitions against Sena rebel MLAs who then joined in an unholy alliance with rival parties to topple an elected Maha Vikas Aghadi (MVA) government, said Sibal, who was arguing for the Thackeray faction of Shiv Sena, which snapped a pre-poll alliance with BJP to take support of rivals Congress and NCP to form government headed by chief minister Uddhav Thackeray.

Full report on www.toi.in

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February 9-
then drove
o body to his
said Yadav.

that Mulakkal met the Pope the rape charges, advised

Tel - Nagpur - 15/2/23

WILL VIGIL ON 44 BUSES IN THE
union elections in 2023

493

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Regd. Office: First Floor, "Urjanidhi", 1, Barakhamba Lane, Connaught Place,
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1.	Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): PART-B	07/03/2023	21/04/2023 up to 16:00 hrs. (IST)	21/04/2023 up to 16:30 hrs. (IST)

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Bid Process Coordinator

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Ministry of Power
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Central Electricity Authority

VIDARBHIA IRRIGATION DEVELOPMENT CORPORATION, NAGPUR

Executive Engineer, Amravati Medium Project Division Amravati.

Irrigation Colony, Shivaji Nagar, Amravati

Phone No. 0721-2662319 / Web- <http://www.mahatenders.gov.in>

E-TENDER NOTICE NO. 15 FOR 2022-2023

Government of Maharashtra, Water Resource's Department, Executive Engineer, Amravati Medium Project Division, Amravati invites B-1 online E-Tender for following work. Tender Booklet can be downloaded from the Government website <http://mahatenders.gov.in>. Right to reject any or all tenders at any stage are reserved with Executive Engineer, Amravati Medium Project Division, Amravati. Conditional tender will be not accepted.

Sr. No.	Name of Work	District	Amount in Lakh
1	Construction of Compound Wall for Rehabilitation of Village Borgaon Talni of Wasani Medium Project, Tq. Achalpur, Dist. Amravati	Amravati	Rs.149.86
2	Construction of Compound Wall for Rehabilitation of Village Borgaon Dori of Wasani Medium Project, Tq. Achalpur, Dist. Amravati	Amravati	Rs.138.75

E-Tender available Period > Dt. 15/02/2023 To 03/03/2023

Tender Opening Date (Envelope No.1) > Dt. 06/03/2023 (If Possible)

Tenders are available on following website.

1) <http://mahatenders.gov.in>

(If any change in E-Tender Notice it will be published only on website)

2) Notice Board office of Executive Engineer, Amravati Medium Project Division, Amravati

3) The contractor shall submit Geo-Tagging (Form No.4) in Envelope No.1 of the tender online without which tender will not be considered. Time period for Geo Tagging is 20/02/2023 to 24/02/2023

No. /AMPD/TC/Tender/2023 Dt.

Sd/-

(S.P. Ade)

Executive Engineer

Amravati Medium Project Division, Amravati

DGIPR/2022-2023/5954



Government of Maharashtra

Office of the Principal Chief Conservator of

Forest (Head of Forest Force),

Maharashtra State, Nagpur

tender notice for Sale of Tendu leaves
for 2023 Season in PES Areas.

for Tendu Units falling in Scheduled Area
in Maharashtra.

भरारी पथकांसाठी वाहने भाडे तत्वावर उपलब्ध करून घेणेसाठी जाहीर ई-निविदा

(प्रथम प्रसारण)

आरोग्य विभाग जिल्हा परिषद नाशिक अंतर्गत आदिवासी भागातील भरारी पथकांसाठी सन २०१२-२३ या वर्षासाठी मासिक भाडे तत्वावर टाटा सुमो / माईट्रा बोलरो / स्कॉपियो / ईटीगा / तवेरा व (इलेक्ट्रिक बॅटरीवर चालणारे) वाहने असल्यास प्राधान्या नुसार) बनावटीच्या ५३ वाहनांची आवश्यकता आहे. हि वाहने नाशिक जिल्ह्यातील आदिवासी क्षेत्रातील डोंगराळ व अविदुर्ग घाटत आरोग्य भरारी पथक या संस्थांसाठी वापर केला जाईल. तरी आर.टी.ओ. परवानाधारक इच्छुकांनी यासाठी आवश्यक ती दस्तऐवज नमुने प्राप्त करणेसाठी www.mahatend-

CORPORATION LIMITED
(A Government of Karnataka Enterprise)
CIN: U05119KA1978GSC001919

HB3WCL-RCR-CTA/RTPS/Feb 2023 Dated: 13.02.2023

HORT TERM NOTICE INVITING TENDER
(Two Cover System) (Through Govt. e-procurement portal only)

Invites tenders from reputed companies/persons for Appointment of Coal Siding Agency for transportation/ Lifting of coal from WCL mines to available WCL Siding/ Railway Good shed siding and loading into Indian wagons, Movement, Handling & Delivery of approximately 4.0 lakh MTs in per se. Package-1 and Package-2 of 2 Lakh MT each of coal by Road can be to Rajahm Thermal Power Station (RTPS) including the works of eg. Supervision, Monitoring of Quantity and Quality of coal for a period of Six (6) months. The tender document can be downloaded from the website: <https://eproc.karnataka.gov.in>. The last date for receipt of the completed bids: 17.02.2023. Further details can be obtained from The Superintending Engineer (Mines), KPCL, No. 82, 1st Floor, Race Course Road, Bengaluru-560 001. Ph: 080-22233994. shelkpc@karnataka.gov.in Website: <https://kpcl.karnatakagov.in>

Government of Goa
Institute of Psychiatry & Human Behaviour
Bambolim-Goa. Pincode: 403202.
Off: 0832-2458240, 2458794, 2458687. Fax: 0832-2458240.
e-IPHB/5/1/88-Adm/ Vol.10/Pest Control/ Date: 10/02/2023.

TENDER NOTICE

& Superscribed tenders are invited by Institute of Psychiatry and Human Behaviour, Bambolim on behalf of Government of Goa from reputed organizations having experience of two years in the field of pest control of Rs.3.00 Lakhs and above per annum in the business in the state of Goa for 'Carrying out Disinfection & Rodent Control Treatment' at IPHB, Bambolim Goa for a period of 18 months.

Terms and conditions of the tender are enclosed to the Tender Form to be collected from the Accounts Section of Institute of Psychiatry and Human Behaviour, Bambolim-Goa from 16.02.2023 to 27.02.2023 between 10.00 AM to 04.00 PM by paying Rs 200/- which would be non-refundable. The tender form duly filled-in in all respect should be deposited in the Tender Box at the Directors Chamber, IPHB, Bambolim by 28/02/2023 upto 03:00 PM. Tender shall be opened in the presence of the tenderer or his/her representative on 01/03/2023 in GMC at 3.00 PM. Government reserves the right to accept or reject any of the Tender or tenders without assigning any reasons thereof.

06AdV2023/0023

BANGALORE WATER SUPPLY AND SEWERAGE BOARD
Office of the Chief Engineer (Project)
Inner, Chaverry Bhavan, K.G. Road, Bengaluru - 560009
SSBCT/PA/CE/GRAD/CW/TA/2/14/5/2023/25/06/03/02/2023

INVITATION FOR TENDER
(Only through e-procurement portal only)

SB invites tender in Two Cover System from reputed manufacturers/authorised dealers for Supply & Fixing of 1 internal dia thermoplastic sewer hose Constructed of 1 internal inner core, two braids of synthetic fibre braiding materials covered by polyether-urethane, with bend radius 100 mm to 127 mm, burst pressure not be less than 7500 PSI (525 bar), working pressure not be less than 3000 PSI (210 bar), dimension outer age 29 mm to 32 mm, weight of the hose 420 gms to 450 gms per meter. Temperature limit -40°C to 60°C, along with test certificate certified by 3rd party agency FOR at all Stores, Malleshwaram.

at Put to Tender: ₹ 1,70,65,620/- EMD : ₹ 2,56,000/-
Late and time for Receipt of tenders is on 28.02.2023 at 16:00 hours. The Technical bids will be opened on 28.02.2023 at 16:00 hours. The details regarding the tender participation in the e-procurement portal process can be obtained by logging on to <https://eproc.karnataka.gov.in>. For further details contact the undersigned office during regular hours.

Sd/-
Chief Engineer (Project)

8759022-23

Empowerment of Manufacturers/suppliers under MSME Samagra-I (Extended and Valid Upto 31.03.2025).

Interested parties may download the details about the technical specifications, terms & conditions, approved unit cost from the websites www.cstri.res.in/www.csib.gov.in/www.eprocure.gov.in

Last date of submission of bids : 15.03.2023 till 2.00 pm
Date of opening of bids : 16.03.2023 at 3.00 pm

CBC: 41109/12/0031/2223 Officer Incharge/Scientist-D

भारतीय कृषि अनुसंधान संस्थान -
केंद्रीय कृषि अनुसंधान संस्थान
पना, जेठम रोड, 442, 442 (गुजरात)
Ministry of Agriculture and Farmers Welfare, Government of India
ICAR-CENTRAL COASTAL AGRICULTURAL RESEARCH INSTITUTE
Indian Council of Agricultural Research

F. No II-19062/1/2023-Estt Date: 13-02-2023

NOTIFICATION FOR RECRUITMENT

It is proposed to fill up the following position purely on temporary basis at ICAR-CCARI Goa under the ad-hoc project as detailed below:-

Sr. No.	Name of the Project	Name of the Position	Number of Post	Essential Qualification	Emoluments
1	Biodiversity of Hoverflies (Insecta: Diptera: Syrphidae) of the protected Areas of Goa	Field Assistant	One	B.Sc. (Agriculture)	Rs.20,000/- per month (Consolidated)

The eligible candidates may appear for the selection process on 23-02-2023 at 9:00 AM at ICAR-CCARI, Ela Old Goa, along with their credentials. For further details, viz. desirable qualifications, age limit and other terms and conditions, please visit the website <https://icari.icar.gov.in/>.

Sd/-
Administrative Officer

"EXPERIENCE AGRO ECO-TOURISM AT ICAR-CCARI, GOA"

PFC CONSULTING LIMITED
(A wholly owned subsidiary of PFC Limited)
Regd. Office: First Floor "UrjaNidhi", 1, Barakhamba Lane, Connaught Place, New Delhi - 110001, Fax: 011-23443800

GLOBAL INVITATION (THROUGH E-BIDDING ONLY)
FOR SELECTION OF TRANSMISSION SERVICE PROVIDER ON BUILD, OWN, OPERATE AND TRANSFER (BOOT) BASIS FOR INTER-STATE TRANSMISSION PROJECTS

PFC Consulting Limited, a wholly owned subsidiary of Power Finance Corporation Limited (A Government of India Undertaking), invites proposals for setting up of transmission projects on Build, Own, Operate and Transfer (BOOT) basis following single stage two-envelope process of "Request for Proposal" (RFP).

Interested bidders may refer to the RFP notification and RFP documents available on the website <https://www.malcoconnaught.com> and <https://www.pfcindia.com>.

The Bidders may obtain the RFP documents on all working days between 10:30 hrs (IST) and 16:30 hrs (IST) from 15/02/2023 to one working day prior to bid submission for the projects mentioned below on payment of a non-refundable fee of Rs. 6,00,000/- or USD 7,000 plus applicable GST @18%, from 1st Floor, Wing - A, Statesman House, Connaught Place, New Delhi - 110001, Tel: 91-11-23443800; Fax: 91-11-23443800, e-mail: efc@pfcindia.com. The RFP documents can also be downloaded from <https://www.malcoconnaught.com> and <https://www.pfcindia.com>. However, in such case, interested party can submit Response to RFP only on submission of non-refundable fee of Rs. 6,00,000/- or USD 7,000 plus applicable GST @18%, separately. The survey report and clarification to RFP documents shall be issued to those bidders, who have obtained purchased RFP documents by paying requisite fee at least one working day prior to bid submission date. Bidders should regularly visit website to keep themselves updated regarding clarifications/ amendments/ time extensions etc., if any. The important timelines in this regard are as follows:

Sr. No.	Name of Transmission Scheme	Last Date for seeking clarifications (dd/mm/yyyy)	Last Date for submission of response to RFP (dd/mm/yyyy)	Date of opening of Response to RFP (dd/mm/yyyy)
1.	Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex) PART-A	07/03/2023	21/04/2023 up to 15:00 hrs. (IST)	21/04/2023 up to 16:30 hrs. (IST)
1.	Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex) PART-B	07/03/2023	21/04/2023 up to 15:00 hrs. (IST)	21/04/2023 up to 16:30 hrs. (IST)

Note: PFC Consulting Limited reserves the right to cancel or modify the process without assigning any reason and without any liability. This is not an offer.

Bid Process Coordinator
PFC CONSULTING LTD.
(A wholly owned subsidiary of PFC Ltd.)
(A Govt. of India Undertaking)

An initiative of
Ministry of Power
Government of India

Initiative Partner
Central Electricity Authority

Qaida in the Indian Subcontinent, a wing of al-Qaida, for conspiracy in terrorism activities in the country and recruiting members for the militant outfit. #

495

Goa ho of mo

Mumbai: Pol against Goa based on a car and event mas... friend's relation... The compl party, also acc cognisance of to senior police... On Sunday friends had du head to a friend... Around 5.30 who had met t Singh arrived at women friends... Police have the modesty o causing hurt to "Thad met S with him. After

TOL Mat- 14/2/23

ebunked: Govt ban on ChatGPT, Turkiye quake

ChatGPT is a spyware programme released by China, ban-Indian government is to ban it." This was a thousands of forward-messages including, "Ac- to the New Education board examinations as 10th will be disconti- from 1st April 2023" and ing Feb 14th, the online gregators Ola and Uber e allowed to start their ices across Goa and li", that TOI recently as fake. Under the "Ti-erified" campaign, re- end suspicious mes- saging on social me- this paper on the What- number 981988887. 'verify their credibility, (personnel) — made up of tit- liters and repre- ...om the municipa- and the government — nto its carefully-cultiva- network of trustworthy es.

Launched nationally on November 21 last year, the 'Times Verified' initiative aims to break the chain of viral mis- information and disinfor- mation that has been infecting so- cial media groups. Since the launch, TOI's editorial team has received close to 1.2 lakh messages, over a half of which turned out to be false. Besides misleading head- lines, such as, "The unofficial death toll in Turkey/Syria earthquake has crossed 50k by



10th Feb 2023" to "Pakistan to seek monetary help of 2 Lakh Million Dollars from India to pay back its loans to Interna- tional Monetary Fund (IMF)", the deluge of fake news also included panic-inducing mes-

MEET FIVE OF THE CHAIN-BREAKERS



Watch out for

- Fake News Of The Day column on page 2
- Weekly round-ups of top trending fake news and appeals to join the fight against fake news by sharing these on your social networks, so that communities, near and dear ones are made aware
- Log on to www.timesverified.org to access more Times Verified messages, ready to be shared on social media using #TimesVerified

How to use Times Verified

Step 1: Save the number 981988887 on your phone as 'Times Verified'

Step 2: In case of doubt, send your message to this number for verification by TOI expert panel

Step 3: TOI will let you know if the message is true or fake. Do call us for any further clarifications

sage like "Under public protests and pressure, Supreme Court had to convert Asaram Bapu's life sentence to death penalty." Having grown beyond articles and tweets bearing falsehoods, misinfor-

mation is becoming harder to distinguish from fact in the era of AI globally. Misattributed pictures and videos have been rapidly spreading on social media since the earthquake hit Turki-

ye/Syria last week. Analysis of the footage of a video claiming to show a 'tsunami' caused by the earthquake on the southern Turkish coast, for instance, showed it to be from a March 2017 storm

Project Management Unit
Jai Mang Vikas Project
INLAND WATERWAYS AUTHORITY OF INDIA
(Ministry of Ports, Shipping and Waterways, Govt. of India)

Office: A-13, Sector - 1, Noida - 201 301, Phone: 9123 2514334, www.iwai.gov.in

Notice Inviting Tender-NCB
For Providing Fire Protection & Detection System for Multi Modal Terminal at West Bengal.
Ref: IWA/WB/MW-1/14/4/2823
Waterways Authority of India, invites e-bids from reputed eligible firms for "Providing Fire Protection & Detection System for Multi Modal Terminal at Noida, West Bengal".
Site for submission of e-bids is upto 1800 hrs. (IST) on 14.02.2023.
Details and updates please visit IWA website 'www.iwai.gov.in' and e-procurement portal 'tenders.iwai.gov.in' and 'tenders.iwai.gov.in'.
14.02.2023 Project Director (JWVP)

SBI
Enterprise & Group Risk Management Department, Corporate Centre,
3rd Floor, Mahatma Centre, Nariman Point, Mumbai-400 021

CORRIGENDUM NOTICE
In Number 1 and Responses to Pre-Bid Queries with reference to SBI/RMD/EGMD/2022-23/01 dated 31.01.2023 has been issued on Bank's website and e-Procurement portal. For details, please visit "Procurement News" at <https://www.sbi.co.in> or <https://bank.sbi>.
e-Procurement agency portal <https://tenders.sbi/SBI/>
in Mumbai
Deputy General Manager
at 15.02.2023 (Enterprise & Group Risk Management Department)

REPORTS AUTHORITY OF INDIA
e - TENDER NOTICE
Reports Authority of India invites item rate e-Tender for the work of "Mechanized Environmental Support Services (Waste-Keeping)" at D.A.B.H. New Integrated Terminal Building (NITB) Airport at an estimated cost of Rs. 14,24,04,933/- with completion period of Three (03) years. Last date of submission of e-bid through portal is 06.03.2023 up to 1700.
For details information log on to web site www.aai.aero or gem.gov.in. Further clarification / corrigendum in this regard, if any, will be put up on AAI/Gem web site.

PFC CONSULTING LIMITED
(A wholly owned subsidiary of PFC Limited)
Regd. Office: First Floor, 'Urjmitra', 1, Barakhamba Lane, Connaught Place, New Delhi - 110001. Fax: 011-23443990

GLOBAL INVITATION (THROUGH E-BIDDING ONLY)
FOR SELECTION OF TRANSMISSION SERVICE PROVIDER ON BUILD, OWN, OPERATE AND TRANSFER (BOOT) BASIS FOR INTER-STATE TRANSMISSION PROJECTS

PFC Consulting Limited, a wholly owned subsidiary of Power Finance Corporation Limited (A Government of India Undertaking), invites proposals for setting up of transmission projects on Build, Own, Operate and Transfer (BOOT) basis. Following single stage two envelope process of "Request for Proposal" (RFP).

Interested bidders may refer to the RFP notification and RFP documents available on the website <https://www.nictpe.com/procurement> and <https://www.pfcindia.com>.

The bidders may obtain the RFP documents on all working days between 10:30 hrs (IST) and 18:00 hrs (IST) from 15/02/2023 to one working day prior to bid submission for the projects mentioned below on payment of a non-refundable fee of Rs. 5,00,000/- or USD 7,000 plus applicable GST @18%, from 6th Floor, Wing - A, Sankar House, Connaught Place, New Delhi - 110001, Tel: 91-11-23443990, Fax: 91-11-23443990, email: pfccl@pfcindia.com and pfccl@nictpe.com. The RFP documents can also be downloaded from <https://www.malabarconcrete.com> and <https://www.pfcindia.com>, however, in such case, interested party can submit Response to RFP only on submission of non-refundable fee of Rs. 5,00,000/- or USD 7,000 plus applicable GST @18% separately. The survey report and clarification to RFP documents shall be issued to those bidders, who have obtained/purchased RFP documents by paying requisite fee at least one working day prior to bid submission date. Bidders should regularly visit website to keep themselves updated regarding clarifications/ amendments/ time extensions etc., if any. The important timeline in this regard are as follows:

S. No	Name of Transmission Scheme	Last Date for seeking clarifications (dd/mm/yyyy)	Last Date for submission of response to RFP (dd/mm/yyyy) up to 15:00 hrs. (IST)	Date of opening of Responses to RFP (dd/mm/yyyy) up to 15:30 hrs. (IST)
1.	Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): PART-A	07/03/2023	21/04/2023 up to 15:00 hrs. (IST)	21/04/2023 up to 15:30 hrs. (IST)
1.	Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): PART-B	07/03/2023	21/04/2023 up to 15:00 hrs. (IST)	21/04/2023 up to 15:30 hrs. (IST)

Note: PFC Consulting Limited reserves the right to cancel or modify the process without assigning any reason and without any liability. This is not an offer.

Bid Process Coordinator
PFC CONSULTING LTD.
(A wholly owned subsidiary of PFC Ltd.)
(A Govt. of India Undertaking)

An Initiative of
Ministry of Power
Government of India

Initiative Partner
Central Electricity Authority

TOT- Bhopal-15/2/23

STUDENT ABSENCE, WHO noticed his conspicuous absence, informed the hostel warden. When the door of the room where the deceased was staying was opened, the student was found hanging from the ceiling. A police official said family problems could have driven the student to the extreme measure.

strangulate remotely critical voices... Congress president Mallikarjun Kharge said. Party general secretary (organisation) K C Venugopal said the surveys "reek of desperation and show that the Modi government is scared of criticism".

Former Union minister P Chidambaram added, "The government's message to all

would be followed by one on "Mr A" in an innuendo-laden dig at embattled Adani Group chief Gautam Adani.

CPI chief D Raja said the government's bid to "intimidate a foreign telecast company... is likely to bring down the image of the country which has already suffered as far as the freedom of the media is concerned".

ports of the searches. Reactions from the Indian diaspora in the UK were mixed.

"Indian tax authorities who raided the BBC are independent of the government and should be allowed to do their job. If the BBC has done nothing wrong, they will be cleared. This has nothing to do with the Modi documentary," said Jayu

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KARNATAKA INDUSTRIAL AREAS DEVELOPMENT BOARD
(A Government of Karnataka Undertaking)
49, East Wing, 4th & 5th Floor, Khanija Bhavan, Race Course Road, Bengaluru - 560 001. Phone No. 080-22265383. Website: www.kiadb.in

No. IADB/ENGG/ETND-EP-61/24/2022-23 Date: 14.02.2023

NOTICE INVITING TENDER
(Through GOK e-Procurement Portal Only)

Item rate Tender under two cover bid system is invited for the work mentioned below as per the Karnataka Transparency in Public Procurement Act 1999 and Rules 2000 through electronic procurement from eligible Contractors holding valid Class-I (Electrical) issued from KCEI, Government of Karnataka who have got adequate financial resources & sufficient past experience for the following work of Providing Power Infrastructure to Jakkasandra Industrial Area, Phase-2 (Mindahalli Village) in Malur Taluk, Kolar District.

The last date and time of receipt of tender is : 10.03.2023 upto 04:30 pm.

Applicants May Download Bidding Documents from the E-Procurement Portal <https://eproc.karnataka.gov.in>

Sd/-
Chief Engineer - 1

DP/EP/UA/4899/2022-23

GOVERNMENT OF KARNATAKA
THANISAPUR
SHORT TERM TENDER NOTICE
FORM OF CONTRACT - LUMP SUM (TWO COVER)

For and on behalf of Government of Karnataka
Resources Department / Public Works Department
WTD - Thanisapur Block Circle, Thanisapur -
separate cover for Pre-Qualification with 20
quote lowest value of price tender and for Part
following works: (1) Restoration of Epandur
Disposal of all types of excavated soils by self
Thandukudi District Part (B), (3) Formation of
Thandukudi District Part (A), (4) Disposal of all
in Thandukudi District Part (C) with the same of w

Tender Schedule Availability Date	Tender Schedule Closing Date
14.03.2023 to 07.03.2023 upto 5.45 P.M.	upto 1.00 PM on 08.03.2023

For further details and tender documents visit the
(If any changes / Corrections / Consideration in the bid)

DPP / 801 / TENDER / 2023 Tender may be held at

Kerala State Industrial Development Corporation
Kasturba Road, Kowdiar, Thiruvananthapuram

NOTICE INVITING
Request for Proposal (RFP) for Selection of
carrying out various activities related to
Facilitation, and coordination of various
Agencies like DPET, NITI Aayog, etc. in the
Kerala State Industrial Development Corporation
and investment facilitation & promotion
Proposals from competent and eligible agencies
prescribed in the RFP document for "Selected
Project Management Unit (PMU) in KSIDC
to Ease of Doing Business, Investment
Facilitation of Government of India (Agencies
of Kerala". Eligible bidders can submit the
e-TENDER portal <https://tenders.kerala.gov.in>
15.02.2023

PFC CONSULTING LIMITED
(A wholly owned subsidiary of PFC Limited)
Regd. Office: First Floor, 'Urjanidhi', 1, Bankamba Lane, Connaught Place, New Delhi - 110001, Fax: 011-23443990

GLOBAL INVITATION (THROUGH E-BIDDING ONLY)
FOR SELECTION OF TRANSMISSION SERVICE PROVIDER ON BUILD, OWN, OPERATE AND TRANSFER (BOOT) BASIS FOR INTER-STATE TRANSMISSION PROJECTS

PFC Consulting Limited, a wholly owned subsidiary of Power Finance Corporation Limited (A Government of India Undertaking), invites proposals for setting up of transmission projects on Build, Own, Operate and Transfer (BOOT) basis following single stage two envelope process of "Request for Proposal" (RFP).

Interested bidders may refer to the RFP notification and RFP documents available on the website <https://www.matcoemcomerce.com> and <https://www.pfccltd.com>.

The bidders may obtain the RFP documents on all working days between 10:30 hrs (IST) and 16:00 hrs (IST) from 15/02/2023 to one working day prior to bid submission for the projects mentioned below on payment of a non-refundable fee of Rs. 5,00,000/- or USD 7,000 plus applicable GST @18%, from 1st Floor, Wing - A, Statesman House, Connaught Place, New Delhi - 110001, Tel: 01-11-23443990; Fax: 01-11-23443990; e-mail: pfccltd@pfccltd.com. The RFP documents can also be downloaded from <https://www.matcoemcomerce.com> and <https://www.pfccltd.com>. In such case, interested party can submit Response to RFP only on submission of non-refundable fee of Rs. 5,00,000/- or USD 7,000 plus applicable GST @18% separately. The survey report and certification to RFP documents shall be issued to those bidders, who have obtained/purchased RFP documents by paying requisite fee at least one working day prior to bid submission date. Bidders should regularly visit website to keep themselves updated regarding clarifications/ amendments/ time extensions etc., if any. The important timelines in this regard are as follows:

S. No	Name of Transmission Scheme	Last Date for seeking clarifications (dd/mm/yyyy)	Last Date for submission of response to RFP (dd/mm/yyyy)	Date of opening of Response to RFP (dd/mm/yyyy)
1.	Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-I) (Bikaner Complex): PART-A	07/03/2023	21/04/2023 up to 15:00 hrs. (IST)	21/04/2023 up to 15:30 hrs. (IST)
1.	Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-I) (Bikaner Complex): PART-B	07/03/2023	21/04/2023 up to 16:00 hrs. (IST)	21/04/2023 up to 15:30 hrs. (IST)

Note: PFC Consulting Limited reserves the right to cancel or modify the process without assigning any reason and without any liability. This is not an offer.

Bid Process Coordinator
PFC CONSULTING LTD.
(A wholly owned subsidiary of PFC Ltd.)
(A Govt. of India Undertaking)

An Initiative of
Ministry of Power
Government of India

Initiative Partner
Central Electricity Authority

CENTRAL SILK TECHNOLOGICAL BOARD
CENTRAL SILK BOARD
Ministry of Textiles
CIS Complex, BTM Layout, Madhavara, Bangalore
Ph: 080-26263334/2326, Fax: 080-26263335

No. CSTRI/CSTRI/33/30/2023-Saves
TENDER NOTIFICATION

Sub: Rate Contract for Indigenous Package Empanelment of Manual Samagra-I (Extended and Valid Up to 31.03.2023)

Apprs. Overall T.

The CSTRI, Central Silk Board, e-procurement portal under the manufacturers or their Authorised representatives in accordance with revised public Make in India Order No. 2017 dated 01.03.2017, Govt. of Commerce and Industries, Government of India, for the Automatic Reeling Machinery Package Empanelment of Manufacturers/Suppliers (Extended and Valid Upto 31.03.2023).

Interested parties may download the specifications, terms & conditions from the websites www.cstri.gov.in and www.eprocure.gov.in

Last date of submission of bids : 15.03.2023
Date of opening of bids : 16.03.2023

CBC: 41109/12/0031/2223

To: Kirti - 15/2/23

from eligible contractors for the following work. Name of Work: Permanent Way zonal contract for maintenance of track under the jurisdiction of Senior Sectional Engineer, Udipi from Km: 650/900 to 739/600 under Senior Regional Engineer, Karwar over Konkani Railway in Karnataka State. Tender Notice No.: KR-W-1-SB-2022-17. Estimated Cost: ₹ 4,30,07,295 excluding GST. Closing Date/Time: 09.03.2023 up to 15:00 hrs for submission of online Offers/Bids. Completion period: Twenty Four months including monsoon. Manual offers shall not be accepted. Please visit <https://ireps.gov.in> website for details / participation. Corrigendum / addendum will be hosted in this website only.

SHORT TERM NOTICE INVITING TENDER
(Two Cover System) (Through Gok e-procurement portal)
KPCIL invites tenders from reputed companies/persons for Appointment of Local Transportation Agency for transportation/ Lifting of coal from WCL mines to nearest available WCL Siding/ Railway Goods shed siding and loading into Indian Railway wagons. Movement, Handling & Delivery of approximately 4.3 lakh MTs in 2 packages i.e., Package-1 and Package-2 of 2 Lakh MT each of coal by Road cum Rail route to Raichur Thermal Power Station (RTPS) including the works of Liasing, Supervision, Monitoring of Quantity and Quality of coal for a period of Six months. The tender document can be downloaded from the website: <https://ireps.karnataka.gov.in>. The last date for receipt of the completed bids: 17.02.2023. Further details can be obtained from The Superintending Engineer (Mines), KPCIL, No. 82, Shakti Shiksha, III Floor, Race Course Road, Bengaluru-560 001. Ph: 080-22203994. E-mail: infokpcil@karnataka.gov.in. Website: <http://kpcil.karnataka.gov.in>

SMART CITY THIRUVANANTHAPURAM LIMITED
CIN: U75302KL2017SGC05027

E-TENDER NOTICE

E-Tenders are invited for the following projects of Smart City Thiruvananthapuram Limited Project Area 1) Request for proposal (RFP) for Selection of Contractor for Development of Smart Roads and Underground Ducting Including Utility Shifting of Water Supply and Power lines in ABD area Under Smart (Corporation Roads) in Thiruvananthapuram - Electrical Works.

Sl. No.	Name of Project	E-Tender ID	PAC Amount (Exclusive of GST)	Bid Submission Last Date
1	Road ID 41 (Kolhuvil to Sathapathi Kovil Street Road)	2023_SCTLT_558303_1	Rs.2,39,37,177/-	21/02/2023
2	Road ID 42 (KK Road)	2023_SCTLT_558310_1	Rs.1,73,35,348/-	21/02/2023
3	Road ID 43 (Manakkada Road)	2023_SCTLT_558328_1	Rs.94,28,085/-	21/02/2023

Selection of Contractor for Development of Smart Roads and Underground Ducting Including Utility Shifting of Water Supply and Power lines in ABD area Under Smart (Corporation Roads) in Thiruvananthapuram - Electrical Works.

Date and Time of Opening Price Bid: To Be Intimated Separately to Technically Qualified Bidders by e-mail. All the RFP documents and details are available on the e-Procurement Website. Bids are only accepted online on the Website <https://tenders.kerala.gov.in>. (Sd/-) CHIEF EXECUTIVE OFFICER SMART CITY, THIRUVANANTHAPURAM Ltd.

SMART CITY THIRUVANANTHAPURAM LIMITED
CIN: U75302KL2017SGC05027

E-TENDER NOTICE

E-Tenders are invited for the following projects of Smart City Thiruvananthapuram Limited Project Area 1) Request for proposal (RFP) for Selection of Contractor for Development of Smart Roads and Underground Ducting Including Utility Shifting of Water Supply and Power lines in ABD area Under Smart (Corporation Roads) in Thiruvananthapuram.

Sl. No.	Name of Project	E-Tender ID	PAC Amount (Exclusive of GST)	Bid Submission Last Date
1	Road ID 51A (Taluk Office Road)	2023_SCTLT_551896_2	Rs.1,57,22,193/-	15/02/2023
2	Road ID 101 (Kocher Road)	2023_SCTLT_552276_1	Rs.63,70,535/-	15/02/2023
3	Road ID 45 (Pumping Station Road)	2023_SCTLT_554531_1	Rs.4,97,44,352/-	17/02/2023

Selection of Contractor for Development of Smart Roads and Underground Ducting Including Utility Shifting of Water Supply and Power lines in ABD area Under Smart (Corporation Roads) in Thiruvananthapuram.

Date and Time of Opening Price Bid: To Be Intimated Separately to Technically Qualified Bidders by e-mail. All the RFP documents and details are available on the e-Procurement Website. Bids are only accepted online on the Website <https://tenders.kerala.gov.in>. (Sd/-) CHIEF EXECUTIVE OFFICER SMART CITY, THIRUVANANTHAPURAM Ltd.

PFC CONSULTING LIMITED
(A wholly owned subsidiary of PFC Limited)
Regd. Office: First Floor, "Urjanidhi", 1, Barakhamba Lane, Connaught Place, New Delhi - 110001. Fax: 011-23443990

GLOBAL INVITATION (THROUGH E-BIDDING ONLY)
FOR SELECTION OF TRANSMISSION SERVICE PROVIDER ON BUILD, OWN, OPERATE AND TRANSFER (BOOT) BASIS FOR INTER-STATE TRANSMISSION PROJECTS

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The Bidders may obtain the RFP documents on all working days between 10:30 hrs (IST) and 16:00 hrs (IST) from 15/02/2023 to one working day prior to bid submission for the projects mentioned below on payment of a non-refundable fee of Rs. 5,00,000/- or USD 7,000 plus applicable GST @18%, from B' Floor, Wing - A, Statestar House, Connaught Place, New Delhi - 110001, Tel: 91-11-23443990; Fax: 91-11-23443990; e-mail: efc@pfcindia.com. The RFP documents can also be downloaded from <https://www.mateccommerce.com> and <https://www.pfcindia.com>; however, in such case, interested party can submit Response to RFP only on submission of non-refundable fee of Rs. 5,00,000/- or USD 7,000 plus applicable GST @18%, separately. The survey report and clarification to RFP documents shall be issued to those bidders, who have obtained/purchased RFP documents by paying requisite fee at least one working day prior to bid submission date. Bidders should regularly visit website to keep themselves updated regarding clarifications/ amendments/ time extensions etc., if any. The important timelines in this regard are as follows:

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1.	Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-I) (Bikaner Complex): PART-B	07/03/2023	21/04/2023 up to 16:30 hrs. (IST)	21/04/2023 up to 16:30 hrs. (IST)

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Bid Process Coordinator
PFC CONSULTING LTD.
(A wholly owned subsidiary of PFC Ltd.)
(A Govt. of India Undertaking)

An Initiative of
Ministry of Power
Government of India

Initiative Partner
Central Electricity Authority

KARNATAKA
49, East W
Bengaluru - 1

No. IADB/ENGG/ETND-EP-81

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<https://eproc.karnataka>

DIPB/CN/IAJEN/2022-23

GOVT
THIRUNELVELI HIGHWAY

T.N. No. 35

For and on behalf of the Govern
through online only will be received
Engineer (H), C&M, Thirunelveli Circle
(H) C&M Division.
Details of works, approximate v
other details are available from
<https://tenders.gov.in>. If any Ch
above Government website only.

DIPB/851/Tender / 2023

TOI coimbatore 15/2/23

'Pay ward' on a par with pvt hosp opened in Salem GH

Salem: Health minister Ma Subramanian on Tuesday inaugurated a 'pay ward' at Salem Government Mohan Kumaramangalam Medical College and Hospital. Patients could pay money and get accommodation in this ward, where services would be on par with private hospitals. After Rajiv Gandhi GH in Chennai, the Salem GH is the second in the state to get such ward. **new**

DMK violating poll code, says BJP, seeks EC action

Colombatore: State BJP president K Annamalai has alleged that the DMK was committing a series of violations in the bypoll-bound Erode East assembly constituency and sought the intervention of the Election Commission of India.

Stating that the complaint against the DMK to the state election commission had not evoked any response, Annamalai said the ECI should step in and ensure a free and fair election.

In a formal complaint to the EC, Annamalai alleged that on February 11, election authorities and police officials had seized tokens from the car of DMK south union treasurer Sarbadeen from Tirupur district, after they got information about distribution of money in Erode East.

"Last weekend, the DMK members distributed 2kg of meat to each voter as a bribe. The DMK ministers stationed there have been assigned to pay ₹1,000 per voter if the voter wishes to sit in a designated place daily and ₹5,000 as incentive if the voter sat continuously for 20 days. This is done deliberately to dampen the electioneering of the NDA candidate in Erode East," Annamalai alleged.

The AIADMK too made the same allegation, that DMK functionaries were paying the public not to attend their meetings.

Annamalai recalled that the BJP had complained to the EC, seeking action against DMK members after a video of "a conversation" between DMK minister K N Nehru and Congress candidate E V K S Elangovan surfaced. According to Annamalai, Nehru and Elangovan were purportedly discussing "money distribution" in Erode East. **new**

SMART CITY THIRUVANANTHAPURAM LIMITED
CIN: U75302KL2017SGC05027

E -TENDER NOTICE

E-Tenders are invited for the following projects of Smart City Thiruvananthapuram Limited Project Area 1) Request for proposal (RFP) for Selection of Contractor for Development of Smart Roads and Underground Ducting including Utility Shifting of Water Supply and Power lines in ABD area Under Smart (Corporation Roads) in Thiruvananthapuram - Electrical Works.

Sr. No.	Name of Project	E-Tender ID	PAC Amount (Exclusive of GST)	Bid Submission Last Date
1	Road ID 41 (Kothuvail to Sathapathi Kovil Street Road)	2023_SCTLT_558303_1	Rs.2,39,97,177/-	21/02/2023
2	Road ID 42 (KK Road)	2023_SCTLT_558318_1	Rs.1,73,20,346/-	21/02/2023
3	Road ID 43 (Marakkada Road)	2023_SCTLT_558320_1	Rs.94,26,085/-	21/02/2023

Selection of Contractor for Development of Smart Roads and Underground Ducting including Utility Shifting of Water Supply and Power lines in ABD area Under Smart (Corporation Roads) in Thiruvananthapuram - Electrical Works.

Date and Time of Opening Price Bid: To Be Intimated Separately to Technically Qualified Bidders by e-mail. All the RFP documents and details are available on the e-Procurement Website. Bids are only accepted online on the Website <https://tenders.kerala.gov.in>.

(Sd/-) CHIEF EXECUTIVE OFFICER
SMART CITY, THIRUVANANTHAPURAM LMS

ance) CIRCLE

22
system: Percentage tender
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ork) pertaining to Nagaraj

of tender documents and all
the Government website
at, it will be published in the

Sd/- T. Jayaram
Superintending Engineer
(R), C&M, Tirunelveli Circle

EVELOPMENT BOARD

Indertaking)

ran, Race Course Road,
3. Website: www.kiadb.in

Date: 14.02.2023

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Only)

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upto 04:30 pm.

he E-Procurement Portal

Sd/-
Chief Engineer - 1

PFC CONSULTING LIMITED

(A wholly owned subsidiary of PFC Limited)

Regd. Office: First Floor, "Ujjandhr", 1, Barakhamba Lane, Connaught Place,
New Delhi - 110001, Fax: 011-23443990

GLOBAL INVITATION (THROUGH E-BIDDING ONLY)

FOR SELECTION OF TRANSMISSION SERVICE PROVIDER ON BUILD, OWN, OPERATE AND TRANSFER (BOOT) BASIS FOR INTER-STATE TRANSMISSION PROJECTS

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The Bidders may obtain the RFP documents on all working days between 10:30 hrs (IST) and 16:00 hrs (IST) from 15/02/2023 to one working day prior to bid submission for the projects mentioned below on payment of a non-refundable fee of Rs. 5,00,000/- or USD 7,000 plus applicable GST @16%, from 9th Floor, Wing - A, Salesman House, Connaught Place, New Delhi - 110001, Tel: 91-11-23443990; Fax: 91-11-23443990; e-mail: pfccl@pfcindia.com.

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Bid Process Coordinator

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An Initiative of

Ministry of Power
Government of India

Initiative Partner

Central Electricity Authority

TOI- Madhyam - 15/2/23

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TIMESTRICT
Connecting People, Connecting Needs.

BUSINESS	CHANGE OF NAME	EDUCATION
PROPERTY	RECRUITMENT	SERVICES
SHOPPING		

FOR BOOKING PLEASE CONTACT

VIJAYAWADA : Suresh : 9676879189
GUNTUR : Radha Krishna : 9290090915
VISAKHAPATNAM : Sai Krishna : 9866191353

KA POWER ON LIMITED
 (Mata Enterprise)
L POWER STATION)
 1970SGG01918
 13222/CALL-3 Dated: 09.02.2023

NOTIFICATION

st. www.sproc.karnataka.gov.in for the work of any logic system and electrical system of stage-I of RTPS, EMD. Rs. 15,00,000/- 0222, upto 17.30 hrs. All relevant details of mentioned e-portal. Further details can be submitted by Engineer (CHP)ET, RTPS, KPCL, nataka. Mobile: 94495 98943.

Y CORPORATION LIMITED
 (A Govt. of India Undertaking)

TING E-TENDER

Y Corporation Ltd., invites Open Rough E-Tendering on IREPS portal following work. Name of Work: for maintenance of track under the engineer, Udipi from Km 650/900 to engineer, Karwar over Konkan al Engineer, Karwar over Konkan er Notice No.: KN-W-1-58-2022-17, excluding GST. Closing Date/Time: submission of online Offers/Bids, our months including monsoon. ted. Please visit <https://ireps.gov.in>. Corrigendum / addendum will be

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Force and is considered the backbone of America's long-range bomber force, American officials said.

On Monday, the US Air Force's two newest fifth-generation supersonic multi-role F-35A aircraft made a historic debut at Aero India, triggering huge interests and adding lustre to the five-day marquee event. It was for the first time the F-35 stealth aircraft landed in India.

The arrival of the B-1B Lancers and the F-35 jets came in the backdrop of the conflict in Ukraine and renewed resolve by India and the US to further consolidate their defence and security partnership.

500

firms and representatives of around 100 countries.

"The B-1 offers flexible options to senior leaders and combatant commanders. Greater integration with our allies and partners throughout the region is a positive step towards greater interoperability," said Major General Julian C Cheater, Assistant Deputy Under Secretary of the Air Force, International Affairs.

The return of the long-range, supersonic, heavy bomber to India to participate in Aero India underscores the importance the US places on the growing strategic partnership with India, a readout by the US side said: an

GOVERNMENT OF TAMILNADU - WATER RESOURCES DEPARTMENT
THAMIRAPARANI BASIN CIRCLE, THIRUVALLUR-2
SHORT TERM TENDER NOTICE NO. 16/2023 (TWO COVER SYSTEMS AND RAIL TENDER SYSTEM)

FORM OF CONTRACT (LIMITED) (TWO COVER SYSTEMS, RAIL TENDER SYSTEM AND RAIL TENDER SYSTEM)

For and on behalf of Government of Tamil Nadu, sealed tenders are invited from the contractors registered in Water Resources Department / Public Works Department in the first class to the Office of the Superintending Engineer, WARD, Thamiraparani Basin Circle, Tiruvallur - 627 002. One sealed tender (Two cover systems) consisting of two separate covers one for Pre-qualification with EMD and other one for price tender. For Part (A) works the tenderer quote lowest value of price tender and for Part (B) works the tenderer quote highest value of price tender for the following works: (1) Restoration of Expenditure on the basis of the tenderer's estimate of the cost of the work. (2) Disposal of all types of excavated soils by selling from work site in Expenditure on the basis of the tenderer's estimate of the cost of the work. (3) Disposal of all types of excavated soils by selling from work site in Expenditure on the basis of the tenderer's estimate of the cost of the work. (4) Disposal of all types of excavated soils by selling from work site in Expenditure on the basis of the tenderer's estimate of the cost of the work. (5) Disposal of all types of excavated soils by selling from work site in Expenditure on the basis of the tenderer's estimate of the cost of the work.

Tender Schedule Available Date	Tender Schedule Closing Date	Tender Schedule Opening Date	Scale No. of works	Approximate Value of all works
16.02.2023 to 07.03.2023 upto 5.45 P.M.	upto 3.00 P.M. on 08.03.2023	11.00 P.M. on 08.03.2023	4 (Four)	Rs. 2197.68 Lacs

For further details and tender documents visit the website www.tenders.tn.gov.in and www.tenders.tn.gov.in. (If any changes / Corrections / Clarifications in the above, it will be published in the above Government Website only.)

Superintending Engineer, W&R, Thamiraparani Basin Circle, Tiruvallur

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An Initiative of
Ministry of Power
 Government of India

Initiative Partner
Central Electricity Authority

Tot - vijayawada - 15/2/23

TOF - Višaveha patnam - 15/4/21

Date: 9th February, 2023

Public Notice

Subject: Notice under Rule 7(3) or 7(7) of Investor Education and Protection Fund Authority (Accounting, Audit, Transfer and Refund) Rules, 2016 referred to as IEPFA (AATR) Rules.

- Whereas, as per under Rule 7 (3) or 7(7) (as the case may be) of Investor Education and Protection Fund Authority (Accounting, Audit, Transfer and Refund) Rules, 2016, the company shall send an e-verification for all claims filed against it within 30 days of filing the IEPF-5 Form or with additional fee of fifty rupees for each day thereafter subject to a maximum of two thousand and five hundred rupees.
- Whereas no e-verification report was received from companies for various claims filed against it even after sending communication as prescribed under 7(3) or 7(7) of IEPF (AATR) Rules within the mandated period of maximum of 75 days.
- Whereas due to non-receipt such verification report from the respective companies it is proposed to reject all such SRNs under u/r 7(3) or 7(7) of IEPF (AATR) Rules. List of SRNs are made available on iepf.gov.in
- Therefore, if any claimant has any objection to the above the same may be intimated through email at inspector1.iepf@mca.gov.in. If no objection is received within 15 days from its issue, the pending SRNs shall be rejected at the sole liability of the company and its nodal officer.

Sd/-
(GAURAV GUPTA)
Deputy Director
IEPF Authority

CBC 07110/12/0008/2223

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An Initiative of

Initiative Partner

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(A Govt. of India Undertaking)

Ministry of Power
Government of India

Central Electricity Authority

T-02- 054890am-15/2/23



ended 31 December 2022
(₹ in million)

Half year ended	Year ended	Year ended
1st half ended 31 December 2022	31 December 2021	31 March 2022
Unaudited	Unaudited	Audited
19.75	9177.70	12359.68
81.01	2108.69	2773.55
81.01	2108.69	2773.55
74.89	1593.32	2109.78
95.46	1653.06	2120.18
81.38	681.38	681.38
-	-	9748.52
91.33	391.33	391.33
19.25	9939.44	10429.90
18.30	3568.83	5204.54
-	-	-
0.46	0.36	0.50
8.79	7.92	10.47
8.88	7.83	10.35
3.36	3.36	3.36
20.00	NA	200.00
3.99	6.04	4.89
8.88	17.39	13.19

within nine months ended.

filled with the stock exchange under
mat of the quarterly and year-to-date
bsolIndia.com and the company at

asures have been made to the stock

2 which are published in accordance
it Committee on 12th February 2023.

and hence quarterly figures for the
or, the management has exercised
few of the Company's affairs.

approved by the shareholders at the
om a Private Limited Company to a
4 of the Companies Act, 2013. The
conversion of the Company from the

Life Sciences Private Limited
Sd/-
Manmohesh Kantipudi
Whole Time Director & CEO
DIN: 05241166

Government of India
Ministry of Corporate Affairs
Investor Education and Protection Fund Authority
Ground Floor, Jeevan Vihar Building, 3,
Parliament Street, New Delhi-110001
File no: 7 (3)&7(7) (2022-2023)

Date: 9th February, 2023

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Sd/-
(GAURAV GUPTA)
Deputy Director
IEPF Authority

CBC 07/10/12/0008/2223

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Central Electricity Authority

ET - Delhi - 15/2/23

Government Transport Services,
Sir Pochkhanwala Marg,
Worli, Mumbai 400 030
Tele No. 022-24939553

E-Tender Notice

The Controller, Government Transport Service, Worli, Mumbai, Hereby Calling Online Tender For Contract Drivers The Detail Documents, Terms & Condition, Time Table is Available On The Government Website <https://mahatenders.gov.in> From 14/02/2023 To 27/02/2023.

The Director, Government Transport Service, Worli, Mumbai Has Reserve The Rights To Stay, Cancel or To Make Changes In the E-Tender, Publish For This Purpose

Sd/-

(Vishakha S. Aadhav)
Controller, Government Transport
Services, Worli, Mumbai

DGIPR/2022-2023/5967

Cong MPs seek Tharoor Entry Into New CWC

Our Political Bureau

New Delhi: In the run-up to the All India Congress Committee plenary session, a group of Congress parliamentarians from Kerala urged party president Mallikarjun Kharge to induct their colleague Shashi Tharoor into the new Congress Working Committee (CWC), which is due for reconstitution during or after the plenary.

Lok Sabha members K Muralidharan, KM Raghavan and Benny Behnan were learnt to have conveyed their sentiments during their recent meeting with Kharge in Parliament House. Kharge reportedly said no decision has been yet taken about constituting the new CWC.

The MPs' appeal meant that even if the leadership is thinking of averting a contest to the CWC at the plenary, Tharoor be inducted into the top party body.

There are indications that some more Congress leaders, including some parliamentarians, could join the appeal.

JOINT EFFORT

Deeper Indo-F

End of pandemic more exchanges between two countries, says I

Dipanjan Roy, Chau
@timesgroup.co

New Delhi: Prime Minister Narendra Modi on Tuesday said the Tata reflects the deepening ties between France and the two nations tending to stability of the Indo-F. Addressing the virtually no the two leaders, Modi said the deepening ties between India as well as the successes and Asia's civil aviation sector.

He said India and France contributing to issues ranging and stability in the Indo-Pacific food security and health.

"Through our Regional Comprehensive Economic Partnership (RCEP) remote parts are led through air connectivity, ting the economic and social people," Modi said. He further windows of opportunities in aerospace manufacturing sector in India - Make for the World.

Modi explained to investors India offers in the sector. "India can become the (Maintenance, Repair and

STRESSING ON SELF-RELIANCE

Indigen Need of

We want to build with develop with you, defence minister tells counterparts from 27 countries

Manu.Pubby@timesgroup

Bengaluru: Making a strong case for the development of aerospace in India to achieve self-reliance, Union defence minister Manu Singh said that the country is far developing this is the right time and has not

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Regd. Office: First Floor, "Urjanidhi", 1, Barakhamba Lane, Connaught Place, New Delhi - 110001, Fax: 011-23443990

GLOBAL INVITATION (THROUGH E-BIDDING ONLY)

FOR SELECTION OF TRANSMISSION SERVICE PROVIDER ON BUILD, OWN, OPERATE AND TRANSFER (BOOT) BASIS FOR INTER-STATE TRANSMISSION PROJECTS

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Government of India

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Central Electricity Authority

Government of Jharkhand
Rural Works Department
JHARKHAND STATE RURAL ROADS DEVELOPMENT
AUTHORITY (JSRRDA)

RUSSIAN ARTILLERY BATTERS BAKHMUT

Nato Allies Weigh More Arms for Ukraine

Kyiv: Russian forces bombarded Ukrainian troops and towns along front lines in the eastern Donetsk region on Tuesday in what appeared to be early salvoes of a new offensive as Western allies met in Brussels to discuss sending more arms to the Kyiv government.

Bakhmut, a city in Donetsk province and a principal target for Russian President Vladimir Putin's invading army, was in a precarious position. "There is not a single square metre in Bakhmut that is safe or that is not in range of enemy fire or drones," regional governor Pavlo Kyrylenko told Ukraine's national broadcaster. He said Russian artillery



Ukrainian soldiers atop a BMP-2 infantry fighting vehicle on a road outside Bakhmut

was hitting targets all along the front lines in Donetsk, which along with Luhansk province makes up the

Donbas, Ukraine's industrial heartland and a major objective for the Russians.

With the first anniversary of Russia's invasion nearing, the Kremlin has intensified operations across a broad swathe of southern and eastern Ukraine, and a big new offensive has been widely anticipated.

Before a meeting of Nato defence ministers in Brussels, the alliance's Secretary-General Jens Stoltenberg said Western countries needed to increase ammunition supplies to Kyiv. "We see no signs that President Putin is preparing for peace. What we see is the opposite, he is preparing for more war, for new offensives and new attacks," he told

reporters.

Ukraine has also appealed to the West for fighter jets. Ukraine's military said on Tuesday its forces had repelled attacks in five settlements in Luhansk and six in Donetsk, including around Bakhmut, over the past 24 hours. They had also beaten back an attack on a town in the Kharkiv region, which borders Russia in northeast Ukraine, it said.

Britain said on Tuesday mercenaries from the Wagner group, who have spearheaded the Russian assault on Bakhmut, had made small gains in the northern outskirts in the past three days but an advance to the south seemed to have made little progress.

A regional road and rail

transport and logistics Bakhmut has endured months of shelling and districts are in ruins, about 5,000 civilians are there out of a pre-war population of about 70,000, Gov Kyrylenko said. Troops fortified positions in anticipation of street fighting.

Authorities hope to reduce the number of people to a minimum and will evacuate the wounded, it said. Bakhmut's capture would provide a stepping stone for Russia to advance on to cities in Donetsk - Borsk and Sloviansk - and Moscow new momentum for months of setbacks during its invasion last year. —Reuters

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Central Electricity Authority

Subway Exploring Sale After Record-Setting

Subway, one of the world's largest restaurant brands, said in a statement that its shareholders are exploring a possible sale.

The announcement confirms earlier reports that the Milford, Connecticut-based company is shopping itself to potential suitors. Bloomberg News reported last month that a deal could value the closely held company at more than \$10 billion.

JPMorgan Chase & Co. is advising Subway in the process. The company, which has about 37,000 franchises in more than



100 countries, said it was a "record setting" and it had posted eight consecutive quarters of same-store sales growth.

EXPRESSION OF INTEREST

EMPANELMENT OF ARCHITECTS / ARCHITECTURAL FIRMS / CONSULTANT FIRM

Notice No. E-01/2023/CEA/ENP/1/1

Name of Work: EXPRESSION OF INTEREST (EOI) FOR EMPANELMENT OF ARCHITECTS / ARCHITECTURAL FIRMS / CONSULTANT FIRM PROVIDING ARCHITECTURAL AND REAL ESTATE CONSULTANCY DEVELOPMENT OF STATIONS IN KURDA ROAD DIVISION.

EOI CLOSING DATE & TIME: 04.03.2023 at 1400 hrs.
Complete information including e-EOI document of the above notice is available at <https://eaoportal.informaweb.gov.in/noticefile/157815545079-EOI.pdf>

1000/1/22-23 Divisional Railway Manager (Engg) RD

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ET - Ahmedabad - 15/2/23

₹9,300-CR REPURCHASE AT AVERAGE PRICE OF ₹1,539/SHARE

Early Completion to Infy Buyback

Our Bureau

Mumbai: India's second-largest software exporter, Infosys, has completed its ₹9,300 crore share buyback nearly four months before the scheduled end of the scheme.

According to exchange data, the company has bought back 60.4 million shares or 1.44% of the total equity capital at an average of ₹1,539 apiece. The average buyback price was 16.6% below the maximum offer price of ₹1,850.

The share buyback, which commenced on December 7, was supposed to end on June 6, 2023. Infosys shares, which ga-

ined 6% in the last month compared to a 1% decline in the Nifty index, closed at ₹1,592.65 on Tuesday.

The Bengaluru-based IT bellwether had announced a share buyback scheme through the open market route while announcing September quarter results in October.

Infosys had announced a policy to return 75% of its free cash flow to shareholders over five years starting

FY20. Regulations limit the maximum buyback amount to 25% of the company's net worth.

MSME TECHNOLOGY CENTRE
GOVERNMENT OF INDIA SOCIETY
MINISTRY OF MICRO, SMALL AND MEDIUM ENTERPRISES
www.msmeindia.org

Government Certificate Training on New E-Filing Portal & INCOME TAX PRACTITIONER
Practical Calculation with Tally

Course Duration: 2 Days (ONLINE) Date: 15 to 16 February 2023
Time: 9:30 AM to 5:30 PM

Course Content: Familiarity with the new e-filing portal, Recent Changes, New ITR forms for AY 2023-24, Format & utilities for offline return, Online mode changes, Direct Tax vs. Indirect Tax, Basics of Income Tax, Step Rate of Income Tax, Heads of Income, Income from Salary, House Loan Interest Deduction, Income from Business / Profession, Capital Gains, Dividends, Income from Capital Gains, Income from Other Sources, Set off / Carry forward of losses, Deductions from Income (80C, 80D etc.), Forms for ITR, TDS & TCS provisions, Amendment to latest Budget 2023. More topics.

Fees: Rs. 2,500/- (Study material in soft copy shall be provided)

Coordinator: 9910948732, 9953920408

GOVERNMENT OF INDIA CERTIFICATE WILL BE AWARDED

PFC CONSULTING LIMITED

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New Delhi - 110001, Fax: 91-11-23443990

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CAUTION NOTICE
UNDER THE TRADEMARKS ACT, 1999
THE COPYRIGHT ACT, 1957

Our client, GUJARAT INTERNATIONAL FINANCE TEC-CITY COMPANY LIMITED (GIFT), is a Company Incorporated under the Companies Act, having its registered office at: EPS - BUILDING NO. 49A, BLOCK 49,

SBF
Loans Made

[Regulation 52 (8), re

Extract
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15	Paid up Debt Capital/ Out
16	Outstanding Redeemable
17	Debt Equity Ratio
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21	(b) Diluted (not annualized)
22	Capital Redemption Reser
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24	Debt Service Coverage Ra
25	Interest Service Coverag
26	Total Debt to Total Assets
27	Net Profit Margin

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Date : February 13, 2023
Place : Mumbai

Regd. Office: 103, 15

75
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Amrit Mahotsav

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Government of India
Ministry of Corporate Affairs
Investor Education and Protection Fund Authority
Ground Floor, Jeevan Vihar Building, 3,
Parliament Street, New Delhi-110001
File no: 7 (3)&7(7) (2022-2023)

Date: 9th February, 2023

Public Notice

Subject: Notice under Rule 7(3) or 7(7) of Investor Education and Protection Fund Authority (Accounting, Audit, Transfer and Refund) Rules, 2016 referred to as IEPFA (AATR) Rules.

- Whereas, as per under Rule 7 (3) or 7(7) (as the case may be) of Investor Education and Protection Fund Authority (Accounting, Audit, Transfer and Refund) Rules, 2016, the company shall send an e-verification for all claims filed against it within 30 days of filing the IEPF-5 Form or with additional fee of fifty rupees for each day thereafter subject to a maximum of two thousand and five hundred rupees.
- Whereas no e-verification report was received from companies for various claims filed against it even after sending communication as prescribed under 7(3) or 7(7) of IEPF (AATR) Rules within the mandated period of maximum of 75 days.
- Whereas due to non-receipt such verification report from the respective companies it is proposed to reject all such SRNs under ur 7(3) or 7(7) of IEPF (AATR) Rules. (list of SRNs are made available on iepf.gov.in)
- Therefore, if any claimant has any objection to the above the same may be intimated through email at inspector1.iepf@mca.gov.in. If no objection is received within 15 days from its issue, the pending SRNs shall be rejected at the sole liability of the company and its nodal officer.

Sd/-
(GAURAV GUPTA)
Deputy Director
IEPF Authority

CBC 07110/12/0008/2223

Extract of for t

Sl. No.	Particulars
1.	Gross Written Pre
2.	Net Written Premi
3.	Profit Before Tax
4.	Profit After Tax
5.	Solvency Ratio (th
6.	Net Worth
7.	Earning Per Share (absolute Figures)

Note: 1. The above is an extract Regulation 52 of SEBI; results are available on
2. The above results were been subjected to Limit

Place: Mumbai

24x7 - Toll
1800-4

www.nev

Head

INDIA REGN NO. 190



Government of India
Ministry of Corporate Affairs
Investor Education and Protection Fund Authority
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PFC CONSULTING LIMITED

(A wholly owned subsidiary of PFC Limited)
 Regd. Office- First Floor, "Urjaidhi", 1, Barakhamba Lane, Connaught Place,
 New Delhi - 110001, Fax: 011-23443990

GLOBAL INVITATION (THROUGH E-BIDDING ONLY)

FOR SELECTION OF TRANSMISSION SERVICE PROVIDER ON BUILD, OWN, OPERATE AND TRANSFER (BOOT) BASIS FOR INTER-STATE TRANSMISSION PROJECTS

PFC Consulting Limited, a wholly owned subsidiary of Power Finance Corporation Limited (A Government of India Undertaking), invites proposals for setting up of transmission projects on Build, Own, Operate and Transfer (BOOT) basis following single stage two envelope process of "Request for Proposal" (RFP).

Interested bidders may refer to the RFP notification and RFP documents available on the website <https://www.nstcconline.com> and <https://www.pfcindia.com>.

The Bidders may obtain the RFP documents on all working days between 10:00 hrs (IST) and 16:00 hrs (IST) from 15/02/2023 to one working day prior to bid submission for the projects mentioned below on payment of a non-refundable fee of Rs. 5,00,000/- or USD 7,000 plus applicable GST @18%, from 2nd Floor, Wing - A, Surasman House, Connaught Place, New Delhi - 110001, Tel: 91-11-23443990; e-mail: pfccltd@pfcindia.com. The RFP documents can also be downloaded from <https://www.mstgsonline.com> and <https://www.pfcindia.com>. However, in such case, interested party can submit Response to RFP only on submission of non-refundable fee of Rs. 5,00,000/- or USD 7,000 plus applicable GST @18% separately. The survey report and clarification to RFP documents shall be issued to those bidders, who have obtained/purchased RFP documents by paying requisite fee at least one working day prior to bid submission date. Bidders should regularly visit website to keep themselves updated regarding clarifications/ amendments/ time extensions etc., if any. The important timelines in this regard are as follows:

S. No	Name of Transmission Scheme	Last Date for seeking clarifications (dd/mm/yyyy)	Last Date for submission of response to RFP (dd/mm/yyyy)	Date of opening of Response to RFP (dd/mm/yyyy)
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1.	Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): PART-B	07/03/2023	21/04/2023 up to 15:00 hrs. (IST)	21/04/2023 up to 16:30 hrs. (IST)

Note: PFC Consulting Limited reserves the right to cancel or modify the process without assigning any reason and without any liability. This is not an offer.

Bid Process Coordinator

PFC CONSULTING LTD.

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An Initiative of



Ministry of Power
 Government of India

Initiative Partner



Central Electricity Authority

Extract of
for

Sl. No.	Particulars
1.	Gross Written Premium
2.	Net Written Premium
3.	Profit Before Tax
4.	Profit After Tax
5.	Solvency Ratio (%)
6.	Net Worth
7.	Earning Per Share (absolute Figures)

Note: 1. The above is an extract of Regulation 52 of SEBI results are available on
 2. The above results will be subjected to Lit

Place: Mumbai

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FOIA/REGN No. 130

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ET-Hyderabad-15/2/23



Government of India
Ministry of Corporate Affairs
Investor Education and Protection Fund Authority
Ground Floor, Jeevan Vihar Building, 3,
Parliament Street, New Delhi-110001
File no: 7 (3)&7(7) (2022-2023)

Date: 9th February, 2023

Public Notice

Subject: Notice under Rule 7(3) or 7(7) of Investor Education and Protection Fund Authority (Accounting, Audit, Transfer and Refund) Rules, 2016 referred to as IEPFA (AATR) Rules.

- Whereas, as per under Rule 7 (3) or 7(7) (as the case may be) of Investor Education and Protection Fund Authority (Accounting, Audit, Transfer and Refund) Rules, 2016, the company shall send an e-verification for all claims filed against it within 30 days of filing the IEPF-5 Form or with additional fee of fifty rupees for each day thereafter subject to a maximum of two thousand and five hundred rupees.
- Whereas no e-verification report was received from companies for various claims filed against it even after sending communication as prescribed under 7(3) or 7(7) of IEPF (AATR) Rules within the mandated period of maximum of 75 days.
- Whereas due to non-receipt such verification report from the respective companies it is proposed to reject all such SRNs under u/r 7(3) or 7(7) of IEPF (AATR) Rules. (List of SRNs are made available on iepf.gov.in)
- Therefore, if any claimant has any objection to the above the same may be intimated through email at inspector1.iepf@mca.gov.in. If no objection is received within 15 days from its issue, the pending SRNs shall be rejected at the sole liability of the company and its nodal officer.

Sd/-
(GAURAV GUPTA)
Deputy Director
IEPF Authority

CBC-97110/12/0008/2223

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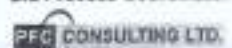
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Government of India

Initiative Partner



Central Electricity Authority

510



Extract of S for th

Sl. No.	Particulars
1	Gross Written Premium
2	Net Written Premium
3	Profit Before Tax
4	Profit After Tax
5	Solvency Ratio (time)
6	Net Worth
7	Earning Per Share (absolute Figures)

- Note: 1. The above is an extract of Regulation 52 of SEBI (List results are available on the website of SEBI.)
2. The above results were not been subjected to Limited

Place: Mumbai

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(PFC REGD. NO. 110)

FT - pune - 15/2/23

Political Bureau

te run-up to the All India
esplenary session, a group of
starians from Kerala urged
alikkarjun Kharge to induct
ashi Tharoor into the new
Committee (CWC), which is
on during or after plenary.
bers K Muralidharan, KM
ny Behnan were learnt to
ir sentiments during their
rith Kharge in Parliament

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Regulations, 2015]

for the
2022

(₹ in Million)	
Year ended	Year ended
2021	Mar 31, 2022
(Audited)	(Audited)
15.23	5,307.02
17.82	886.96
17.82	886.96
12.34	645.21
14.22	647.99
16.73	8,065.00
17.21	4,803.67
19.49	2,453.76
13.84	12,871.57
16.59	29,398.07
2.13	2.28
0.66	0.81
0.64	0.79
NA	NA
NA	NA
0.64	0.65
44%	12.16%

accordingly have filed the Draft

ward of Directors of the Company

lock Exchange under Regulation
abits of Stock Exchange

tion Number
finance as its principal

en made to BSE India and can
all of the Board of Directors of
SBFC Finance Limited
SBFC Finance Private Limited)
ad/-
Aseem Dhru
MD & CEO
DN: 01761455

Mumbai - 400059

Bommai Rules Out Reviving Old Pension Scheme; Cong Stand Unclear

511

Our Political Bureau

Bengaluru: Chief minister Basavaraj Bommai on Tuesday ruled out restoring the old pension scheme (OPS) for government employees, holding firm in the face of demands from unions as Karnataka heads to assembly polls in about three months.

The ruling BJP has been under pressure after Devendra Fadnis, deputy chief minister of neighbouring Maharashtra, had softened his stand on similar demands from employees.

BJP national general secretary



CT Ravi had counselled restraint among political parties and urged them to arrive at a national consensus in the broader national interest.

Bommai made his government's stand clear in a written

reply to the assembly in response to a question from the party MLA D Mahalingappa Alhoie. Public finance experts often warned against reviving the OPS, arguing it can wreck a state's finances and impair the government's ability to spend on development and welfare programmes.

The Congress, JD(S) and AAP have spoken sympathetically to government employees who resorted to a dharna in Bengaluru in December demanding restoration of the OPS. The state stopped the scheme on March 31, 2004.

Voter Names Deleted in Shivajinagar Seat: Diocese

Our Political Bureau

Bengaluru: The Archdiocese of Bangalore has written to the election authorities to take up a comprehensive review of electoral rolls in the city, fearing deletion of names of many voters from the minority communities.

It sought the election commission's intervention to put

out a "revised, error free and updated electoral rolls" at the earliest, appealing on behalf of Christians and other minority communities.

The Archdiocese wrote to the chief electoral officer, Karnataka, insisting that it has come across cases of deletion of names from the final electoral roll after its publication in the booths under the

Shivajinagar assembly constituency.

"On a close scrutiny and verification, we observe that a large number of names belonging to our Christian community are missing. Of the total number of 9,195 names, about 8,000 names that include voters from the SC (scheduled caste), backward classes and the Muslim communities are missing," the diocese said in its letter.

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


Central Electricity Authority


ET - Chandigarh 15/2/23




Ministry of Culture
Government of India



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संस्कृति मंत्रालय, भारत सरकार की वरिष्ठ संस्था

पुरस्कार अर्पण समारोह

उस्ताद बिस्मिल्लाह खाँ युवा पुरस्कार

(2019, 2020 & 2021)

युवा उस्तादों को पुरस्कृत करेंगे

श्री जी. किशन रेड्डी

माननीय संस्कृति, पर्यटन एवं प्रज्ञा पूर्वी क्षेत्र मंत्रालय मंत्री, भारत सरकार

विशिष्ट अतिथि

श्री अर्जुन राम मेघवाल

माननीय कोटम संसदीय सचिव और संस्कृति राज्य मंत्री, भारत सरकार

विशिष्ट अतिथि

श्रीमती मीनाक्षी लेखी

माननीय विदेश एवं संस्कृति राज्य मंत्री, भारत सरकार

अध्यक्षता

डॉ. संध्या पुरेवा

अध्यक्ष, संगीत नाटक अकादेमी, नई दिल्ली

बुधवार | 15 फरवरी 2023 | सायं 5.00 बजे

मेघदूत थिएटर-1 (युक्ताकाश), एपीएन भवन, कॉपरनेकस मार्ग, नई दिल्ली

C 0516/12/09/2023

आपरेक्टर,
ऑफ इंडिया

गणतन्त्र व्यवस्था का रण रण है। योजना के लक्ष्यों को प्राप्त करने के लिए विद्यालयों में कार्ययोजना तैयार की गई है। इसमें अध्यापकों को लक्ष्य की जानकारी दी जा रही है। केंद्रीकृत विद्यालय व्यवस्था में हेड इंचार्ज नेलम शर्मा, सीमा जयदेव, शिखा अर्चना देवी आदि मौजूद रहे।

को असुरक्षित घोषित कर दिया है। 20 दिन पहले यह रिपोर्ट जित्तू प्रतापन के पास पहुंच चुकी थी, लेकिन गंगसखार को जित्तू प्रतापन ने इस रिपोर्ट को सार्वजनिक किया। स्टुडनरल ऑडिट के तहत इस संस्थापक के A और G टावर को सैलिंग हो चुकी है। मौजूदा समय में H टावर की सैलिंग चल रही है।

मंगलवार को एडीसी विश्राम कुमार मीणा ने रिपोर्ट को खारजगीना करते हुए कहा कि 1991 दिल्ली को इन राज्य के विभाजन से संरक्षित-संविधान भिन्न है।

[illegible]

मुडगांव की इस सोसायटी में 10 फरवरी 2022 को हुआ था हादसा

एनबी नारमला तकनीकी और अधिष्ठा
आका पर संभव नहीं है। ऐसे में H
और P टायर खाने लायक नहीं है।
हमसे पहले आईआईटी के नर्सिंग में H
टायर को अनुसंधान संशोधन किया था।
हमारी मूल्यवाक्य रिपोर्ट को अंतरराष्ट्रीय
बैजिनेट्स और डिग्रेटर को आमंत्रित
समयों के लिए संभव हो जा रही है।

ले किए गए कार्यों के हिसाब से विचार
विमर्श किया जाएगा। - जेएम यादव,
विकास प्रेजिडेंट, बिटल इंडिया लिमिटेड

मौला ने बताया कि H और F टायर के निर्माण में इलेक्ट्रॉनिक कंप्यूटिंग में बड़ी क्रांति आ गई है। इससे निर्माण में इलेक्ट्रॉनिक कंप्यूटिंग और स्टील का प्रयोग हो गया। HAT डिपार्टमेंट ने निष्कर्ष निकाला कि इन दोनों टायर को खरीद किया जाए। ऐसे में इन दोनों टायर के सफाई और ऑक्सीजन को नियंत्रित करना पर्याप्त किया जाएगा।

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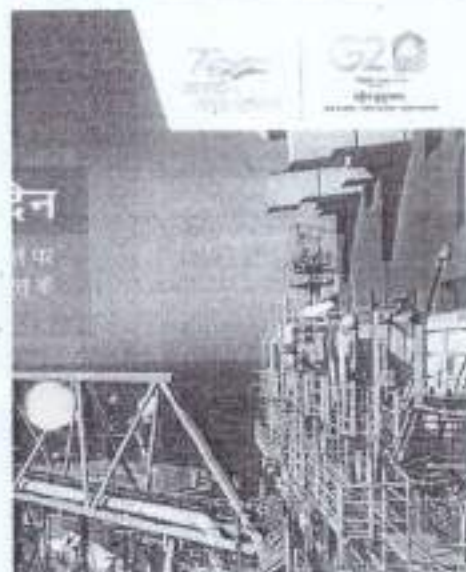
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etro Station, Sec-15, Noida, UP
d), Haldi Ram, Near Moolchand Crossing



पीएफसी कंसल्टिंग लिमिटेड

एवीएफ की लिमिटेड की पूर्ण स्वतंत्रिय वाली सहायक कंपनी

पंजीकृत कार्यालय: प्रथम तल, "सर्वांगिणी" १, राधामाता रोड, कानपुर रोड, नई दिल्ली-110041, भारत

वैश्विक आसन्नता (कैवल ई-निविदा के माध्यम से)

अन्तर्राष्ट्रीय पारंपरिक परियोजनाओं के लिए निर्माण, स्थापित, प्रचालन और स्थायीकरण (2004) आधार पर टांसमिशन सेवा प्रदाता के चयन हेतु

वीथीवर्ती इंजन इंटीरियर डिजाइन: पावर स्टीयरिंग कोलोरेडोस लॉजिस्टिक्स (मध्य भारत का राज्या) की पूर्ण स्वामित्ववादी संयुक्त कंपनी एमएल एमएल को लिफ्टिंग प्रोडिक्ट्स को "एलएल डी लुनोस" (अनुपम) का नाम देते हुए निर्मित, स्ट्रॉमिंग इन्फ्रास्ट्रक्चर का स्वामित्व (BOO) अथवा का स्वामित्व रखेगी। को स्थापना को एलएल डी लुनोस अर्थात् करता है।

हमसे संपर्क करने के लिए कृपया हमारे वेबसाइट पर जाएं।
हमसे संपर्क करने के लिए कृपया हमारे वेबसाइट पर जाएं।

निर्माणमात्र ३९-प्रतिशत शुल्क रु. ६,८०,०००/- बा सुरुवाती (प्राथमिक) ७,००० रुपैयाँ १० प्रतिशत की दर से लागू होइसकै बा मुहाना करो अन्तराली दरदरेका १६.०२/२०२३ से निर्माणकाल परिवर्तनमात्रा को लिए निर्माण लागू करने से एक कार्यालयिक पूर्व तक गरी कार्यालयिक से

[illegible][illegible]

आप, पीछेछोटी का जन्म लेकर आया है। मैं जन्म लेना बंद कर चुकी हूँ। अब मुझे दूसरों के लिए जीवन मिले। एक स्वयंसेवक बन कोविडवासी को आगे बढ़ाई जा रही हैं। जिन्होंने चर्चों में परीक्षाएं ले ली हैं। आशा है कि वे जल्द ही अपने सभी कामों को समाप्त कर सकें।

[illegible]

क्र.सं.	आयोजन कार्यक्रम का नाम	स्वीकृति प्राप्त करने की अंतिम तिथि दि.सं./मा.सं./व.सं.	आयोजकी का पत्र प्राप्त करने की अंतिम तिथि दि.सं./मा.सं./व.सं.	आयोजकी से प्राप्त फाइल की दिथि दि.सं./मा.सं./व.सं.
1.	राजस्थान आरक्षीय सेवा-14 (भाग-1) (सिखारि (अग्निशक्ती) में विद्युत की निगरानी के लिए प्रशिक्षण प्रशस्ती-आरक्ष-14)	21/04/2023	21/04/2023 को 16:00 बजे (आयोजकी) तक	21/04/2023 को 16:00 बजे (आयोजकी) तक
2.	राजस्थान आरक्षीय सेवा-14 (भाग-2) (सिखारि (अग्निशक्ती) में विद्युत की निगरानी के लिए प्रशिक्षण प्रशस्ती-आरक्ष-14)	21/04/2023	21/04/2023 को 16:00 बजे (आयोजकी) तक	21/04/2023 को 16:00 बजे (आयोजकी) तक

नोट : केंद्रपक्षी संशोधन विभिन्न विंग वर्गों पर कार्य कर रहे हैं। विंग वर्गों की पहचान के लिए विभिन्न उपकरणों का उपयोग किया जा रहा है। यह कार्य प्रगति में है।

बोली प्रशिक्षण सम्मेलन

PER CONSULTING LTD

(निर्देशक विभिन्न की धुनें, व्यक्तिगत या सामाजिक जीवन)
(आवाज संचालन या अन्य उपकरण)



विद्युत् संचालन
अर्जित समझाव
की एक पत्रिका

आपका भाविका



संस्कृत विश्वविद्यालय, काशी

Kakao, it is more important to take over SM because it will be the best way to enrich its content quickly ahead of any potential listing."

Yesterday, Hybe proposed seven candidates for SM's board and an electronic voting system for minority shareholders, amid longstanding shareholder concerns about Lee Soo-man's grip over the K-pop agency. The impresario, a former folk singer who studied computer engineering in California, owns 18.4 per cent of SM Entertainment but holds no formal position within the company.

Hybe's proposal follows a campaign

companies so as to "enhance K-pop's global competitiveness" and to pursue Lee Soo-man's vision of establishing K-pop in the metaverse.

Kyobo's Park said: "Lee Soo-man wants Hybe to win because he believes he would still be able to produce some music overseas for SM under Hybe's control."

Albert Yong, managing partner at Seoul-based hedge fund Petra Capital Management, said SM's annual meeting next month would be crucial. "The AGM will be a watershed moment for SM. Hybe seems to be in a good position to win the battle."

regulator in September, had an end-of-October deadline for completion, which the companies then extended four times.

But on Wednesday, the latest completion deadline, Adani Power said the parties were no longer extending the deal's time limit.

In quarterly earnings announcements last week, several Adani portfolio companies said they would be scaling back capital expenditure for the financial year starting in April.

"We will not make new commitments until we settle this volatility period," said Adani Group chief financial officer, Jageshinder Singh on an analyst call.

I world

The AI technique behind recent big leaps in language and vision models for designers of ASICs, changes in underlying architecture like this are a double-edged sword. Redesigning each new generation of chips is expensive and it is hard to sell enough to amortise development costs.

As the competition is about to get fiercer, Microsoft's success in harnessing OpenAI research to take an early lead in generative AI owes a lot to specialised hardware it has built to the OpenAI models. These are based on GPUs, but the chip industry has been rife with speculation that the rare giant is now designing its own accelerators.

It does, it certainly won't be alone. It has decided eight years ago to design its own chips, known as tensor processing units, or TPUs, to handle its most intensive AI work. Amazon and Meta followed. The idea of transformers, named at Google, suggesting that it, will have optimised its latest work with the new AI models.

Another threat could come from OpenAI itself. The research company and ChatGPT has developed its own rare, called Triton, to help develop on their neural networks on GPUs. It could reduce the need for Nvidia's chips — one step towards turning its chips into a commodity and giving competitors such as OpenAI the chance to play their models on any hardware.

As the AI market ends up in the hands of a small number of giant tech companies with ample economic incentives to design their own specialised chips, Nvidia's long-term prospects will be cramped. But it has defied doubters and, for now, is well placed for the next world's latest bout of AI mania.

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Contracts & Tenders

PFC CONSULTING LIMITED

(A wholly owned subsidiary of PFC Limited)
Regd. Office: First Floor, "Urjanidhi", 1, Barakhamba Lane, Connaught Place, New Delhi - 110001, Fax: 011-23443960

GLOBAL INVITATION (THROUGH E-BIDDING ONLY)

FOR SELECTION OF TRANSMISSION SERVICE PROVIDER ON BUILD, OWN, OPERATE AND TRANSFER (BOOT) BASIS FOR INTER-STATE TRANSMISSION PROJECTS

PFC Consulting Limited, a wholly owned subsidiary of Power Finance Corporation Limited (A Government of India Undertaking), invites proposals for setting up of transmission projects on Build, Own, Operate and Transfer (BOOT) basis following single stage two envelope process of "Request for Proposal" (RFP).

Interested bidders may refer to the RFP notification and RFP documents available on the website <https://www.mstsecommerce.com> and <https://www.pfcindia.com>.

The Bidders may obtain the RFP documents on all working days between 10:30 hrs (IST) and 16:00 hrs (IST) from 15/02/2023 to one working day prior to bid submission for the projects mentioned below on payment of a non-refundable fee of Rs. 5,00,000/- or USD 7,000 plus applicable GST @ 18%, from 4th Floor, Wing-A, Statesman House, Connaught Place, New Delhi - 110001, Tel: 01-11-23443960; Fax: 01-11-23443960; email: pfcsltd@pfcindia.com. The RFP documents can also be downloaded from <https://www.mstsecommerce.com> and <https://www.pfcindia.com>, however, in such case, interested party can submit Response to RFP only on submission of non-refundable fee of Rs. 5,00,000/- or USD 7,000, plus applicable GST @ 18%, separately. The survey report and clarification to RFP documents shall be issued to those bidders, who have obtained/ purchased RFP documents by paying required fee at least one working day prior to bid submission date. Bidders should regularly visit website to keep themselves updated regarding clarifications/ amendments/ time extension etc., if any. The important timelines in this regard are as follows:

S. No.	Name of Transmission Scheme	Last Date for seeking clarifications (dd/mm/yyyy)	Last Date for submission of response to RFP (dd/mm/yyyy)	Date of opening of Response to RFP (dd/mm/yyyy)
1.	Transmission system for evacuation of power from Rajasthan REZ PHV (Part-I) (Bikaner Complex): PART-A	07/03/2023	21/04/2023 up to 16:00 hrs. (IST)	21/04/2023 up to 15:30 hrs. (IST)
1.	Transmission system for evacuation of power from Rajasthan REZ PHV (Part-I) (Bikaner Complex): PART-B	07/03/2023	21/04/2023 up to 16:00 hrs. (IST)	21/04/2023 up to 16:30 hrs. (IST)

Note: PFC Consulting Limited reserves the right to cancel or modify the process without assigning any reason and without any liability. This is not an offer.

Bid Process Coordinator
PFC CONSULTING LTD.
(A wholly owned subsidiary of PFC Ltd.)
(A Govt. of India Undertaking)

An Initiative of

Ministry of Power
Government of India

Initiative Partner

Central Electricity Authority

Financial Times - Worldwide
17/02/2023

nd.waters@ft.com

Dhruval

True Copy

Ref. No. 04/ITP-59/22-23/RFP

February 24, 2023

To,
 Director (Transmission),
 Ministry of Power,
 Shriam Shakti Bhawan,
 New Delhi - 110001

Subject: Publishing RFP notification and RFP Documents for Selection of the Transmission Service Provider for establishing transmission system for "Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part- 1) (Bikaner Complex): PART-B" on the website of MoP.

Dear Sir,

Ministry of Power vide Gazette Notification dated January 13, 2023 has appointed PFC Consulting Limited (PFCCL) as Bid Process Coordinator (BPC) to undertake the bid process for selection of Transmission Service Provider (TSP) for establishing transmission system for "Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part- 1) (Bikaner Complex): PART-B" in accordance with the Guidelines namely "Tariff based Competitive Bidding Guidelines for Transmission Service" and "Guidelines for encouraging Competition in Development of Transmission Projects" issued by Ministry of Power.

The bid process for selection of Transmission Service Provider (TSP) for establishing transmission system for "Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part- 1) (Bikaner Complex): PART-B" has been initiated with the publication of RFP notification on February 15, 2023 (copy of the RFP notification enclosed). The same has also been made available along with the RFP document on PFCCL website 'www.pfcclindia.com' w.e.f. February 15, 2023. It may be noted that these RFP Document are based on the Single Stage Two Envelope (RFQ & RFP combined) based Standard Bidding Documents (SBD) issued by Ministry of Power on August 06, 2021. The last date for submission of Responses to RFP is April 21, 2023.

It is requested that in line with the requirements of the Guidelines (Clause 9.2 of Tariff based Competitive bidding Guidelines for Transmission Service), the RFP Notice and RFP documents may be published on the website of Ministry of Power. The soft copy of the RFP Notification and RFP documents has been mailed separately at the email address transdesk-mop@nic.in. We are also enclosing herewith the RFP documents for your kind information, perusal and records please.

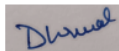
Thanking You,

Yours sincerely,



(Sanjay Nayak)
 General Manager

Encl.: As Above



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पंजीकृत कार्यालय : प्रथम तल 'ऊर्जाविधि', 1, बाराचम्बा लेन, कनौट प्लेस, नई दिल्ली-110001

Regd. Office : First Floor, "Urjanidhi", 1, Barachamba Lane, Connaught Place, New Delhi-110001

कंपनी मुख्यालय: चौथी तल (ए विंग) स्टेट्समैन हाउस, कनौट प्लेस, नई दिल्ली-110001 दूरभाष : 011-23443900 फैक्स : 011-23443990

Corporate Office : 4th Floor (A Wing) Statesman House, Connaught Place, New Delhi-110001 Phone : 011-23443900 Fax : 011-23443990

ई-मेल / E-mail : pfcconsulting@pfcindia.com वेबसाइट / Website : www.pfcclindia.com

Annexure -8


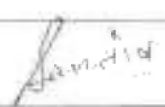

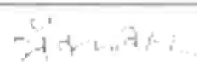


Dated: November 14, 2023

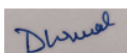
CERTIFICATE BY THE BID EVALUATION COMMITTEE

Subject: Selection of Successful Bidder as Transmission Service Provider to establish "Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): PART-B".

It is hereby certified that:

1. The entire bid process has been carried out in accordance with the "Tariff based Competitive Bidding Guidelines for Transmission Service" and "Guidelines for encouraging competition in development of the Transmission Projects" issued by Ministry of Power, Govt. of India under Section 63 of the Electricity Act, 2003 and as amended from time to time.
2. **Starlite Grid 32 Limited** emerged as the Successful Bidder after the conclusion of e-reverse bidding process with the lowest Quoted Transmission Charges of Rs. 1694.65 million per annum.
3. The quoted tariff is lower than the Levelised Tariff calculated based on CERC norms considering the Capital Cost for the Project "Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): PART-B" as assessed by Cost Committee. The quoted tariff discovered through e-reverse bidding process is acceptable.

Name of Committee Member	Signature
Sh. Rajesh Kumar Singh, General Manager, SBI, CCGRO-II, New Delhi - Chairman	
Sh. Santosh Kumar, SE, NRPC - Member	
Sh. V.A. Kato, SE (P&T), RVPNL - Member <i>Anten -</i>	
Sh. Bhaniwar Singh Meena, Director (PSE&TD), Central Electricity Authority - Member	
Smt. Manjari Chaturvedi, Director (PSPA-I), Central Electricity Authority, New Delhi - Member	
Sh. Neeraj Singh, Chairman, Neemrana II Kotputli Transmission Limited, New Delhi - Convener Member	



True Copy

Ref. No. 04/22-23/ITP-59/RFP

November 29, 2023

Annexure -9

To,
 Sterlite Grid 32 Limited
 DLF Cyber Park, Tower B, 9th Floor,
 Udyog Vihar, Phase III, Sector 20, ,
 Gurugram - 122008, Haryana
 E-mail: sterlite.bd@sterlitepower.com

Kind Attn.: Mr. Mayank Bhatnagar, Authorized Signatory

Subj: Independent Transmission Project (ITP) "Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): Part-B" - Letter of Intent

Sir,

We refer to:

1. The Request for Proposal document dated February 15, 2023 issued to 'Sterlite Grid 32 Limited' as regards participation in the international competitive bidding process for Transmission Scheme for "Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): Part-B", and as amended till the Bid Deadline including all correspondence / clarifications / amendments exchanged between 'Sterlite Grid 32 Limited' and PFC Consulting Limited in regard thereto (hereinafter collectively referred to as the "Final RFP");
2. The offer of 'Sterlite Grid 32 Limited' by way of a Technical Bid pursuant to (1) above submitted on October 06, 2023 in response to the Final RFP.
3. The offer of 'Sterlite Grid 32 Limited' by way of Financial Bid-Initial Offer submitted on October 06, 2023 in response to the Final RFP.
4. The offer of 'Sterlite Grid 32 Limited' by way of a Financial Bid-Final Offer Submitted during e-Reverse Auction process concluded on October 31, 2023 in response to the Final RFP.
5. The Technical Bid as in (2) above and the Financial Bid as in (3 & 4) above, hereinafter collectively referred to as the "Bid".

This is to inform you that the process of evaluating bids received pursuant to the Final RFP, including the Bid, has been concluded. We are pleased to inform you that your proposal and offer received by way of the "Bid" has been accepted and 'Sterlite Grid 32 Limited' is hereby declared as the Successful Bidder as per Clause 3.6.1 of the Final RFP for the above project and consequently, this Letter of Intent (hereinafter referred to as the "LoI") is being issued.

Accepted
 Unconditionally
 Dated



Page 1 of 5

Received
 Date

Signature

पंजीकृत कार्यालय : प्रधान तल "ऊर्जानिधि", 1, बाराकम्बा लेन, कर्नाट प्लेस, नई दिल्ली-110001
 Regd. Office : First Floor, "Uranidhi", 1, Barakhamba Lane, Connaught Place, New Delhi-110001
 कंपनी मुख्यालय: चौथे तल (E-Wing) स्टेट्समैन हाउस, कर्नाट प्लेस, नई दिल्ली-110001 दूरभाष : 011-23443900 फैक्स : 011-23443990
 Corporate Office : 9th Floor, (A Wing) Statesman House, Connaught Place, New Delhi-110001 Phone : 011-23443900 Fax : 011-23443990
 वेबसाइट/Website : www.pfcindia.com + CIN : U74140DL2008GOI175858

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This LoI is based on the Final RFP and you are requested to please comply with the following

- a) Acknowledging its issuance and unconditionally accepting its contents and recording "Accepted unconditionally" under the signature of your authorized signatory on each page of the duplicate copy of this letter attached herewith, and returning the same to PFC Consulting Limited within seven (07) days of the date of issuance of LoI. This LoI is issued to you in duplicate.
- b) Completion of various activities as stipulated in the Final RFP including in particular Clause 2.15.2, Clause 2.15.3 and Clause 2.15.4 of the Final RFP, within the timelines as prescribed therein.

It may be noted that PFC Consulting Limited has the rights available to them under the Final RFP, including rights under Clause 2.15.5 and Clause 3.6.3 thereof, upon your failure to comply with the aforementioned conditions.

As you are aware, the issuance and contents of this LoI are based on the Bid submitted by you as per the Final RFP including the Transmission charges and other details regarding the Scheduled COD as contained therein. The Quoted Transmission Charges as submitted by you and the Scheduled COD of each transmission Element and the Project as agreed by you in your Bid, as per Annexure 21 and Format-1 of Annexure 8 respectively of the Final RFP is annexed herewith as Schedule A and incorporated herein by way of reference.



Yours sincerely,
For PFC Consulting Limited

(Signature)
(Sanjay Nayak)
General Manager

Enclosures: Schedule A – Quoted Transmission Charges and the Scheduled COD of each Transmission Element and the Project submitted in your Bid, as per Annexure 21 and Format-1 of Annexure 8 respectively of the Final RFP

Copy to:

1. Chairman and Managing Director, Power Finance Corporation Limited, "Urjanidhi", 1, Barakhamba Lane, Connaught Lane, New Delhi – 110 001
2. Director (Transmission), Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi-110001
3. Chief Engineer (PSPA-4) and Member Secretary (NCT), Central Electricity Authority, 3rd Floor, Sewa Bhawan, R.K. Puram, New Delhi – 110066
4. Chief Operating Officer (COO), Central Transmission Utility of India Limited (CTUIL), "Saudamini", Plot No. 2, Sector - 29, Gurgaon, Haryana - 122001
5. Secretary, Central Electricity Regulatory Commission, 3rd & 4th Floor, Chanderlok Building, 36, Janpath, New Delhi – 110 001

1. Quoted Transmission Charges as per Annexure-21-Format For Financial Bid

Quoted Transmission Charges: Rs. 1694.65 million per annum

Accepted
Unconditionally
Duff



21

2. Scheduled COD of each transmission Element and the Project as per Format 1 of Annexure-8 of RFP

S. No.	Name of the Transmission Element	Scheduled COD	Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project	Element(s) which are pre-required for declaring the commercial operation (COD) of the respective Element
1.	<p>Establishment of 765/400 kV, 4x1500 MVA (along with one spare unit of 500 MVA) Neemrana-II S/s along with 2x330 MVAR (765 kV) Bus Reactor (along with one spare unit of 110 MVAR) & 2x125 MVAR (420kV) Bus Reactor at a suitable location near Neemrana</p> <ul style="list-style-type: none"> • 765/400 kV 1500 MVA ICTs - 4 nos. (13x500 MVA including one spare unit) • 330 MVAR Bus Reactor-2 nos. (7x110 MVAR, including one spare unit) • 765 kV reactor bays- 2 nos. • 125 MVAR, 420kV bus reactor- 2 nos. • 420 kV reactor bays - 2 nos. • 765 kV ICT bays - 4 nos. • 400 kV ICT bays - 4 nos. • 400 kV line bays - 6 nos. (4 nos. for DLO of Gurgaon - Sohna Road D/c line & 2 nos. for Kotputli D/c line) <p>Future provisions: Space for</p> <ul style="list-style-type: none"> • 765/400kV ICT along with bays- 2 nos. 	24 months from SPV transfer	100%	All elements of scheme are required to be commissioned simultaneously as their utilization is dependent on each other.

Accepted
conditionally

STEREOTE GRID 32 LIMITED

11

S. No.	Name of the Transmission Element	Scheduled COD	Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project	Element(s) which are pre-required for declaring the commercial operation (COD) of the respective Element
	<ul style="list-style-type: none"> • 765 kV line bays along with switchable line reactors – 12 nos. • 765 kV Bus Reactor along with bay: 1 no. • 400 kV line bays along with switchable line reactor – 6 no. • 400 kV Bus Reactor along with bay: 1 no. • 400kV Sectionalization bays: 2 sets 			
2.	Neemrana-II -Kotputli 400 kV D/c line (Quad)			
3.	2 no. of 400 kV line bays at Kotputli			
4.	LILO of both ckts of 400 kV Gurgaon (PG) - Sohna Road (GPTL) D/c line (Quad) at Neemrana-II S/s			

Accepted
Unconditionally



Drusul

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Annexure -10

Ref. No. 04/22-23/ITP-59/RFP

December 19, 2023

Sterlite Grid 32 Limited
DLF Cyber Park, Tower B, 9th Floor
Udyog Vihar, Phase-III, Sector 20,
Gurgaon-122008, Haryana

E-mail: Sterlite.bd@sterlitepower.com

Kind Attn.: Mr. Mayank Bhatnagar, Executive Director

Subject: Independent Transmission Project (ITP) "Transmission System for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): Part-B" – Regarding Transfer of SPV "Neemrana II Kotputli Transmission Limited".

Ref: 1. Letter of Intent (LoI) no. 04/22-23/ITP-59/RFP dated November 29, 2023.
2. PFCCL letter no. 04/22-23/ITP-59/RFP dated November 30, 2023.

Dear Sir,

In line with the provision of Clause 2.15.2 (c) of the RFP Document, one hundred per cent (100%) equity shareholding of the SPV namely, "Neemrana II Kotputli Transmission Limited" is to be acquired by the selected bidder along with all its related assets and liabilities for an Acquisition Price.

Further, it is to intimate that PFCCL vide its letter dated November 30, 2023 has informed to submit the Contract Performance Guarantee which is still awaited. The Acquisition Price of the SPV Neemrana II Kotputli Transmission Limited is **Rs.18,59,09,000/-** (Rupees Eighteen Crore Fifty Nine Lakh Nine Thousand Only). The break-up for this amount is given below:

S. No.	Description	Amount (in INR)
1.	PFCCL Management Fees	15,00,00,000
2.	Goods and Service Tax on PFCCL Management Fees	2,70,00,000
3.	Other Administrative Expenses	88,09,000
4.	Share Capital	1,00,000
	Total	18,59,09,000

The payment of the Acquisition Price may be made as detailed hereunder:

Name : **PFC Consulting Limited**
PFCCL Goods and Service Tax No. : **07AAECP6182F12C**
PFCCL PAN No. : **AAECP6182F**
Mode of Payment : **RTGS**

Bank Details:

Bank Name	ICICI Bank, 9A, Phelps, Connaught Place, New Delhi-110001
Name of Account	PFC CONSULTING LIMITED
A/C No.	000705036117
IFSC Code	KIC00000007

Drusul

True Copy

It is requested that TDS may be deducted against the above payment as per I.T. rules. Copy of PAN Card and Cheque of the above bank are enclosed herewith.

The SPV is proposed to be transferred on December 27, 2023 at 11:00 hrs. (IST). Therefore, it is requested to make the above payment as per the details provided above through RTGS at the earliest.

Further, it is once again requested to provide the Contract Performance Guarantee (CPG) in favour of Nodal Agency i.e. Central Transmission Utility of India Limited (CTUIL) as per the details provided in RFP and subsequent amendments issued.

With kind regards,

Yours sincerely



(Sanjay Nayak)
General Manager

Encl.: As above

Annexure -A

Contract Performance Guarantee (CPG)***Transmission System for evacuation of power from Rajasthan REZ Pt-IV (Part-1) (Bikaner Complex): Part-8***

S No.	Name of Nodal Agency	Address	Amount of CPG (In Rs.)
1	Central Transmission Utility of India Limited	"Saudamini", Plot No. 2, Sector-29 Gurgaon-122001(Haryana)	27,30,00,000/-





New Delhi Branch
9A, Phelps, Connaught Place, NEW DELHI - 110061
RTGS / NEFT IFSC Code : ICID0000087



A/C PAYEE

VALID FOR THREE MONTHS ONLY

D D M M Y Y Y Y

OR ORDER

Pay

Rupees

₹

A/c No.

000705036117

FOR PFC CONSULTING LIMITED

CABUS CBS
BUSINESS BANKING - CURRENT ACCOUNT
Payable at par at all branches of ICICI Bank Limited in India

AUTHORISED SIGNATORIES
Please sign above

⑈346908⑈ 110229002⑈ 036117⑈ 29

True Copy

Ref. No: SGL-32/2023-24/BA/REZ Ph-IV-BC-Part B/CPBG/01

Date: 26.12.2023

To,

ED (BCD, REGULATORY AND LEGAL),
CENTRAL TRANSMISSION UTILITY OF INDIA
LIMITED, SAUDAMINI, FIRST FLOOR, PLOT
NO.2 SECTOR-29, GURUGRAM, HARYANA-122001

Sub: Submission of Contract Performance Bank Guarantee (CPBG) in favor of CTUIL for
"Neemrana II Kotpuli Transmission Limited".

Ref: -

1. Letter of Intent (LOI) no. 04/22-23/ITP-59/RFP dated November 29, 2023.
2. PFCCL letter no. 04/22-23/ITP-59/RFP dated November 30, 2023, and letter no. 04/22-23/ITP-59/RFP dated December 19, 2023.
3. CTUL E-mail dated 21.12.2023 for submission of CPBG.

Dear Sir,

This is in reference to your above-referred letters regarding transfer of "Neemrana II Kotpuli Transmission Limited". In this regard, please find enclosed the original CPBG in favor of CTUL for Neemrana II Kotpuli Transmission Limited. The details of CPBG's are as under:

BG No.	1637623BG0000671
Date of Issue	22.12.2023
Amount of BG	Rs. Twenty-Seven Crore Thirty Lakh (Rs 27.30 Crore).
Expiry Date	31.03.2026
Claim Expiry	31.03.2027

Kindly Acknowledge the receipt of the same.

Thanking You,

Yours Faithfully,

For Sterlite Grid 32 Limited



Chandan Dutt
(Authorized Signatory)



Copy to:

- General Manager, PFC Consulting Limited, 9th Floor, A-Wing, Statesman House, Connaught Place, New Delhi-110001.

531



महाराष्ट्र MAHARASHTRA

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CD 759701

This stamp paper is an integral part of Bank
Guarantee / Bank-Guarantee Amendment
No. 1637623 BG 0000671
executed by us on 22 DEC 2023

प्रधान मुद्रांक कार्यालय, मुंबई
प.स.वि.क. ८०००९४

- 7 NOV 2023

सक्षम अधिकारी



श्रीम. एल. एस. सांगळे

Bank Guarantee

No. 16376 23BG 0000671

Date 22 DEC 2023

FOR STATE BANK OF INDIA

BY MANAGER
(TRADE FINANCE)
CAG-BKC Br. MUMBAI. Br. CODE : 1
SANDRA KURLA COMPLEX, MUMBAI

Surekha Gavil
SS. No. G-8845

BY MANAGER
(TRADE FINANCE)

श्रीम. एल. एस. सांगळे
Suresh Pruthi
E S No. P12007

BANK GUARANTEE

TO,
ED (BCD, REGULATORY & LEGAL),
CENTRAL TRANSMISSION UTILITY OF INDIA LIMITED,
"SAUDAMINI" 1ST FLOOR, PLOT NO - 2,
SECTOR-29, GURUGRAM,
HARYANA-122001

In consideration of the Sterlite Grid 32 Limited (Registered Office: DLF, Cyber Park, Tower-B 9th Floor Udyog Vihar, Phase III, Sector-20, Gurgaon, Gurgaon, Haryana, India, 122008) agreeing to undertake the obligations under the Transmission Service Agreement dated 27th December 2023 and the other RFP Project Documents and the Nodal Agency and the PFC Consulting Limited, agreeing to execute the RFP Project Documents with the Selected Bidder, regarding setting up the Project, the State Bank of India, a bank constituted under the State Bank of India Act 1955 and having its Corporate Office at State Bank Bhavan, Madame Cama Road, Nariman Point, Mumbai and among other places a branch office at Corporate Accounts Group BKC Branch, The Capital, A Wing, 16th floor, Bandra Kurla Complex, Bandra East, Mumbai - 400051, email id- trade@finance.cagbkc@sbi.co.in (hereinafter referred to as "Guarantor Bank") (hereinafter referred to as "Guarantor Bank") hereby agrees unequivocally, irrevocably and unconditionally to pay to Central Transmission Utility of India Limited (being the Nodal Agency) at "Saudamini", 1st Floor, Plot No.2, Sector-29, Gurugram-122001, Haryana forthwith on demand in writing from the Nodal Agency or any Officer authorized by it in this behalf, any amount up to and not exceeding Rupees Twenty Seven Crore Thirty Lakh Only (Rs. 27.30 Crore) Only on behalf of M/s Sterlite Grid 32 Limited.

This guarantee shall be valid and binding on the Guarantor Bank up to and including 31st March 2026 and shall not be terminable by notice or any change in the constitution of the Bank or the term of the Transmission Service Agreement or by any other reasons whatsoever and our liability hereunder shall not be impaired or discharged by any extension of time or variations or alternations made, given, or agreed with or without our knowledge or consent, by or between parties to the respective agreement.

Our liability under this Guarantee is restricted to Rupees Twenty-Seven Crore Thirty Lakh Only (Rs. 27.30 Crore) Only. Our Guarantee shall remain in force until 31st March 2026. The Nodal Agency shall be entitled to invoke this Guarantee up to three hundred sixty-five (365) days of the last date of the validity of this Guarantee.

The Guarantor Bank hereby expressly agrees that it shall not require any proof in addition to the written demand from Central Transmission Utility of India Limited (in its roles as the Nodal Agency), made in any format, raised at the above mentioned address of the Guarantor Bank, in order to make the said payment to Nodal Agency.



Bank Guarantee

No. 16376-23 BG0000671

Date 22 DEC 2023

FOR STATE BANK OF INDIA

DY. MANAGER
(TRADE FINANCE)
CAG-BKC Bc. MUMBAI, Bc. CODE : 16376
BANDRA KURLA COMPLEX, MUMBAI-400051

DY. MANAGER
(TRADE FINANCE)
CAG-BKC Bc. MUMBAI, Bc. CODE : 16376
BANDRA KURLA COMPLEX, MUMBAI-400051

Surakha Gavil
SS. No. G-8845

श्रीमती गविल सुरक्षा
SS No. P12087

The Guarantor Bank shall make payment hereunder on first demand without restriction or conditions and notwithstanding any objection by **Sterlite Grid 32 Limited, Neemrana II Kotputli Transmission Limited** and/or any other person. The Guarantor Bank shall not require Nodal Agency to justify the invocation of this BANK GUARANTEE, nor shall the Guarantor Bank have any recourse against Nodal Agency in respect of any payment made hereunder.

This BANK GUARANTEE shall be interpreted in accordance with the laws of India.

The Guarantor Bank represents that this BANK GUARANTEE has been established in such form and with such content that it is fully enforceable in accordance with its terms as against the Guarantor Bank in the manner provided herein.

This BANK GUARANTEE shall not be affected in any manner by reason of merger, amalgamation, restructuring, liquidation, winding up, dissolution or any other change in the constitution of the Guarantor Bank.

This BANK GUARANTEE shall be a primary obligation of the Guarantor Bank and accordingly Nodal Agency shall not be obliged before enforcing this BANK GUARANTEE to take any action in any court or arbitral proceedings against SPV or the Selected Bidder, as the case may be, to make any claim against or any demand on SPV or the Selected Bidder, as the case may be, or to give any notice to SPV or the Selected Bidder, as the case may be, or to enforce any security held by the Nodal Agency or to exercise, levy or enforce any distress, diligence or other process against SPV or the Selected Bidder, as the case may be.

The Guarantor Bank acknowledges that this BANK GUARANTEE is not personal to Nodal Agency and may be assigned in whole or in part (whether absolutely or by way of security) by Nodal Agency to any entity to whom the Nodal Agency is entitled to assign its rights and obligations under the Transmission Service Agreement.

The Guarantor Bank hereby agrees and acknowledges that Nodal Agency shall have a right to invoke this Bank Guarantee either in part or in full, as it may deem fit.

Notwithstanding anything contained hereinabove, our liability under this Guarantee is restricted to **Rupees Twenty-Seven Crore Thirty Lakh Only (Rs. 27.30 Crore) Only** and it shall remain in force until 31st March 2026, with an additional claim period of three hundred sixty-five (365) days thereafter. This BANK GUARANTEE shall be extended from time to time for such period, as may be desired by **Sterlite Grid 32 Limited**. We are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee only if Nodal Agency serves upon us a written claim or demand.

Bank Guarantee

No. 16376²³ BG0000671

Date..... 22 DEC 2023



FOR STATE BANK OF INDIA

DY. MANAGER
(TRADE FINANCE)

CAG-BKC Br. MUMBAI, Br. CODE : 16376
BANDRA KURLA COMPLEX, MUMBAI-400051

DY. MANAGER
(TRADE FINANCE)

Surekha Gavit
SS. No. G-8845

State Bank of India
B K No. P12007

True Copy

Annexure -12

Ref. No. 04/22-23/ITP-59/RFP

December 27, 2023

To,

Sterlite Grid 32 Limited
DLF Cyber Park, Tower B, 9th Floor,
Udyog Vihar, Phase III, Sector 20, ,
Gurugram – 122008, Haryana

Email: sterlite.bd@sterlitepower.com

Kind Attn.: Mr. Mayank Bhatnagar, Authorized Signatory

Sub: Independent Transmission Project "Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-3) (Bikaner Complex): Part-B" – Regarding extension of LoI.

Dear Sir,

This is with reference to Letter of Intent (LoI) issued on November 29, 2023 for establishment of subject transmission scheme. The Clause No. 2.15.2 of the RFP document stipulates that within ten (10) days of the issue of the LoI the selected bidder shall complete all the activities including the acquisition of SPV.

As the SPV is being transferred on December 27, 2023, the last date for completion of various activities under Clause No. 2.15.2 of the RFP document is extended from December 09, 2023 (10 days from LoI) to December 27, 2023.

Thanking you,

Yours faithfully,



(Sanjay Nayak)
General Manager

Dhruval

True Copy

Dated 27th December, 2023

SHARE PURCHASE AGREEMENT

BETWEEN

PFC CONSULTING LIMITED

AND

NEEMRANA II KOTPUTLI TRANSMISSION LIMITED

AND

STERLITE GRID 32 LIMITED



Dhruval

True Copy



सत्यमेव जयते

Share Purchase 537

INDIA NON JUDICIAL

Government of National Capital Territory of Delhi

2100

e-Stamp

Certificate No.	IN-DL16807642576898V
Certificate Issued Date	21-Dec-2023 11:45 AM
Account Reference	IMPACC (IV)/ d1980303/ DELHI/ DL-DLH
Unique Doc. Reference	SUBIN-DL168030396977214586229V
Purchased by	PFC CONSULTING LIMITED
Description of Document	Article 5 General Agreement
Property Description	Not Applicable
Consideration Price (Rs.)	0 (Zero)
First Party	PFC CONSULTING LIMITED
Second Party	Not Applicable
Stamp Duty Paid By	PFC CONSULTING LIMITED
Stamp Duty Amount(Rs.)	100 (One Hundred only)

सत्यमेव जयते

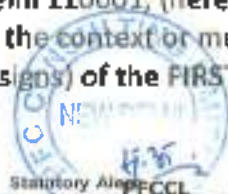


Please write or type below this line

SHARE PURCHASE AGREEMENT

This SHARE PURCHASE AGREEMENT ('Agreement') made on this 27th Day of December 2023 at New Delhi by and between:

PFC CONSULTING LIMITED (a wholly owned subsidiary of Power Finance Corporation Ltd.), a company incorporated under the Companies Act, 1956, with CIN: U74140DL2008GOI175858 having its registered office at First Floor, "Urjanidhi", 1 Barakhamba Lane, Connaught Place, New Delhi 110001, (hereinafter referred to as "PFCCL", which expression shall, unless it be repugnant to the context or meaning thereof, be deemed to mean and include its successors and permitted assigns) of the FIRST PART;



Statutory Seal PFCCL



NIITL



SG32L

1. The genuineness of this Stamp certificate should be verified at www.sharestamp.com or using e-Stamp Mobile App at sharestamp.com. Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid.
2. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.

AND

NEEMRANA N KOTPUTLI TRANSMISSION LIMITED, a company incorporated under the Companies Act, 2013, with CIN: U42201DL2023GOI415846 having its registered office at First Floor, "Urjanidhi", 1 Barakhamba Lane, Connaught Place, New Delhi 110001, (hereinafter referred to as "Company" which expression shall, unless repugnant to the context or meaning thereof, be deemed to mean and include its successors and permitted assigns) of the **SECOND PART**; and

AND

STERLITE GRID 32 LIMITED, a company incorporated under the Companies Act, 2013, with CIN: U40106HR2022PLC103798 having its registered office at DLF, Cyber Park, Tower-B 9th Floor Udyog Vihar, Phase III, Sector-20, Gurugram, Haryana, India, 122008 (hereinafter referred to as "Selected Bidder" which expression shall, unless repugnant to the context or meaning thereof, be deemed to mean and include its successors and permitted assigns) of the **THIRD PART**.

WHEREAS:

- A. The Ministry of Power, Government of India, vide its Gazette no. **CG-DL-E-14012023-241990** dated January 13, 2023 has notified PFC Consulting Ltd. to be the Bid Process Coordinator (BPC) for the purpose of selection of Bidder as Transmission Service Provider (TSP) to establish transmission system for "Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): Part-B" through tariff based competitive bidding process (hereinafter referred to as the "Project").
- B. In accordance with the Bidding Guidelines, PFCCL had initiated a Bid Process through issuance of RFP documents for selecting a Successful Bidder to build, own, operate and transfer the Project in accordance with and on the terms and conditions mentioned in the RFP Project Documents (as defined hereinafter).
- C. PFCCL has incorporated the Company and PFCCL along with the Nominees hold One hundred per cent (100 %) of total issued and paid up equity share capital of the Company.
- D. PFCCL has initiated the development of the Project and has obtained survey report, certain clearances, consents and permits as specified in the RFP regarding the Project.
- E. Pursuant to the said Bid Process, Sterlite Grid 32 Limited has been identified as the Selected Bidder vide Letter of Intent dated November 29, 2023 issued by the PFCCL in favor of the Selected Bidder.
- F. As envisaged in the RFP, the Shares Seller (as defined hereinafter) has agreed to sell the Sale Shares (as defined hereinafter) to the Selected Bidder and the Selected Bidder has agreed to purchase the Sale Shares from the Shares Seller, subject to and on the terms and conditions set forth in this Agreement.



NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL COVENANTS AND AGREEMENTS SET FORTH IN THIS AGREEMENT AND FOR OTHER GOOD AND VALUABLE CONSIDERATION, THE PARTIES HEREBY AGREE AS FOLLOWS:

1. DEFINITIONS

1.1 Capitalised terms in this Agreement, unless defined in this Agreement shall, in so far as the context admits, have the same meaning in this Agreement as has been ascribed to them in the Transmission Service Agreement.

1.2 Additionally, the following terms shall have the meaning hereinafter respectively assigned to them herein below:

- (i) "Acquisition Price" shall mean INR 18,59,09,000/- (Rupees Eighteen Crore Fifty Nine Lakh Nine Thousand Only), which is the aggregate consideration payable by the Selected Bidder towards purchase of the Sale Shares at par along with assets and liabilities of the Company as on the Closing Date subject to adjustment as per the audited accounts of the Company as on the Closing Date;
- (ii) "Agreement" or "the Agreement" or "this Agreement" shall mean this Share Purchase Agreement and shall include the recitals and/or annexures attached hereto, and the contracts, certificates, disclosures and other documents to be executed and delivered pursuant hereto, if any, and any amendments made to this Agreement by Parties in writing.
- (iii) "Bid Process" shall mean the competitive bidding process initiated by the Company, by issuance of RFP Documents for selecting a Successful Bidder to build, own, operate and transfer the Project in accordance with and on the terms and conditions mentioned in the RFP Project Documents;
- (iv) "Board" shall mean the board of directors of the Company;
- (v) "Closing Date" shall mean a mutually agreed date between the Parties falling within the period as mentioned in Clause 2.4 of RFP or on failure of such mutual agreement between the Parties shall be the date falling on the last date of such period;
- (vi) "CTU" or "Central Transmission Utility of India Limited" shall have same meaning as defined in the Electricity Act, 2003;
- (vii) "Encumbrance" shall mean any mortgage, pledge, lien, charge, security assignment, hypothecation, trust, encumbrance or any other agreement having the effect of creating security interest;
- (viii) "Letter of Intent" shall have the meaning ascribed thereto under the RFP;
- (ix) "Nominees" shall mean the Persons, who are named in Annexure A, holding the Sale Shares as nominees of PFCCL.



- (x) **"Party"** shall mean PFCCL, Company and the Selected Bidder, referred to individually, and **"Parties"** shall mean PFCCL, Company and the Selected Bidder collectively referred to, as relevant;
- (xi) **"Person"** shall include an individual, an association, a corporation, a partnership, a joint venture, a trust, an unincorporated organisation, a joint stock company or other entity or organisation, including a government or political subdivision, or an agency or instrumentality thereof, and/or any other legal entity;
- (xii) **"RfP Project Documents"** shall mean the following documents, referred to collectively:
 - a) Transmission Services Agreement;
 - b) this Agreement; and
 - c) Any other agreement(s) as may be required.
- (xiii) **"Representations and Warranties"** shall mean the representations and warranties mentioned in Clause 4 hereto;
- (xiv) **"Sale Shares"** shall mean 10,000 (Ten Thousand) Shares, representing 100 percent of the total issued, subscribed and fully paid-up equity share capital of the Company held by the Shares Seller and Nominees as more particularly described in Annexure A attached hereto;
- (xv) **"Shares"** shall mean the fully paid-up equity shares of Company, of face value Rs. 10 each;
- (xvi) **"Shares Seller"** shall mean PFCCL;
- (xvii) **"Transmission Services Agreement" or "TSA"** means the agreement titled 'Transmission Services Agreement' dated December 27, 2023 entered into between Central Transmission Utility of India Limited and the TSP pursuant to which the TSP shall build, own, operate and transfer the Project and make available the assets of the Project to Central Transmission Utility of India Limited on a commercial basis, as may be amended from time to time;
- (xviii) **"Transmission Service Provider" or "TSP"** shall mean Neemrana II Kotputli Transmission Limited which has executed the Transmission Service Agreement and which shall be acquired by the Selected Bidder.

1.3 Interpretation Clause

Unless the context otherwise requires, the provisions of the TSA relating to the interpretation of the TSA shall apply to this Agreement as if they were set out in full in this Agreement and to this end are incorporated herein by reference.



2. TRANSFER OF SHARES

- 2.1 Subject to the terms and conditions of this Agreement, the Shares Seller agrees to sell and transfer to the Selected Bidder and the Selected Bidder hereby agrees to purchase from the Shares Seller, the Sale Shares of the Company free from Encumbrances with rights and benefits attached thereto in consideration of the Acquisition Price and the covenants, undertakings and the agreements of the Selected Bidder contained in this Agreement.
- 2.2 The Shares Seller hereby undertakes to cause the Nominees to transfer part of the Sale Shares held by them as Nominees of the Shares Seller to the Selected Bidder and execute any documents required to deliver good title to the Sale Shares to the Selected Bidder.

3. CLOSING

- 3.1 Prior to the Closing Date, the Selected Bidder shall provide to the Shares Seller, valid share transfer forms ("Share Transfer Forms") duly stamped with requisite amount of stamp duty payable on the transfer of Sale Shares.
- 3.2 On the Closing Date, the Shares Seller shall hand over to the Selected Bidder or its authorised representative, the original share certificates representing the Sale Shares ("Sale Share Certificates") along with the Share Transfer Forms duly executed by the Shares Seller and the Nominees in favour of the Selected Bidder, simultaneously against the Selected Bidder handing over to the Shares Seller demand drafts drawn in favour of the Shares Seller for the Acquisition Price payable to it.

Provided that prior to the handing over of the Sale Share Certificates to the Selected Bidder as mentioned above, the Selected Bidder shall provide satisfactory evidence to PFCCL that on or before the Closing Date, the Selected Bidder has furnished the Performance Bank Guarantee to Central Transmission Utility of India Limited and is in a position to comply with all other requirements of Clause 2.4 of the RFP.

- 3.3 The Selected Bidder shall immediately upon receiving the Sale Share Certificates and the Share Transfer Forms, duly execute the Share Transfer Forms and duly lodge the Share Transfer Forms and the Sale Share Certificates with the Company. The Selected Bidder may also propose the names of its nominees to be appointed on the Board of the Company and the address within the jurisdiction of the Registrar of Delhi and Haryana, which would be the new registered office of the Company. The Company shall, upon receipt of the said documents from the Selected Bidder, do the following:

- (i) Immediately on the Closing Date convene a meeting of the Board, wherein the Board shall pass the following necessary resolutions:
 - (a) approving the transfer of the Shares constituting the Sale Shares from the Shares Seller and the Nominees to the name of the Sterlite Grid 32 Limited as detailed hereunder;



Sr. No.	Transferee	No. of Equity shares	% of total paid up equity capital
1	Sterlite Grid 32 Limited(SGL 32)	9400	94%
2	Mr. Amarendranath Tatimakula Reddy (Nominee of SGL 32)	100	1%
3	Ms. Nikita Gupta (Nominee of SGL 32)	100	1%
4	Ms. Shilpi Rungta (Nominee of SGL 32)	100	1%
5	Mr. Pradeep Sand (Nominee of SGL 32)	100	1%
6	Mr. Pratik Modi (Nominee of SGL 32)	100	1%
7	Ms. Upasna (Nominee of SGL 32)	100	1%

- (b) approving the Sterlite Grid 32 Limited and its nominees as a member of the Company and entering the name of the Sterlite Grid 32 Limited and its nominees in the register of members.
- (c) changing the address of the registered office of the Company to YC Co Working Space, 3rd Floor, Plot No. 94, Dwarka Sec. 13, Opp. Metro, Near Radisson Blu, South West Delhi, New Delhi-110078, India the new address, within the jurisdiction of the Registrar of Companies, Delhi and Haryana, as may be provided by the Selected Bidder.
- (d) appointing the nominees of the Selected Bidder on the Board and accepting the resignations of the other existing Directors on the Board and the Chair of the meeting which was taken by one of the existing Directors shall be vacated and appointment of a new Chairman who shall be one of the newly appointed Director, for the rest of the meeting.
- i. Mr. Raji George
 - ii. Mr. Amit Charan
 - iii. Mr. Jainendra Kumar Thakur

Immediately pursuant to the acceptance of resignation of the existing Directors and appointment of new Chairman, the newly constituted Board of Directors shall continue with the meeting and pass the following resolution:

- (e) terminating all the authorizations granted regarding the business and/or operations of the Company or the operations of the bank accounts of the Company, with prospective effect; and
- (f) acknowledging and accepting the terms and conditions as contained in the executed copies of the RFP Project Documents and to abide by the provisions contained therein.



- (ii) Enter the name of the **Sterlite Grid 32 Limited** and its nominees as the legal and beneficial owner of the Sale Shares, free of all Encumbrances, in the register of members of the Company;
- (iii) Make the necessary endorsements on the Sale Share Certificates, indicating the name of the **Sterlite Grid 32 Limited** and its nominees as the legal and beneficial owner of the Sale Shares evidenced there under;
- (iv) Return the original Sale Share Certificates, duly endorsed in the name of the **Sterlite Grid 32 Limited** and its nominees, to the **Sterlite Grid 32 Limited** and its nominees, as the case may be or its authorised representative;
- (v) Handover all the statutory registers and records, if any, of the Company to the Selected Bidder.
- (vi) Handover certified true copies of the Board resolution passed by the Company as per (i)(a) to (i)(e) of Clause 3.3 (i) to Central Transmission Utility of India Limited.

3.4 The Parties to this Agreement agree to take all measures that may be required to ensure that all the events contemplated in the Clauses 3.1 to 3.3 above on the Closing Date are completed on the same day.

Notwithstanding the provisions of Clause 3.3 hereto, all proceedings to be taken and all documents to be executed and delivered by the Parties at the Closing Date shall be deemed to have been taken and executed simultaneously and no proceedings shall be deemed to have been taken nor documents executed or delivered until all have been taken, executed and delivered.

3.5 The Selected Bidder hereby acknowledges and agrees that after the date of acquisition of one hundred percent (100%) of the equity shareholding of the Company, by the Selected Bidder as per Clause 3.3, (a) the authority, rights and obligations of the PFCCL/Company in respect of the Bid Process shall forthwith cease and any actions to be taken thereafter regarding the Bid Process will be undertaken by Central Transmission Utility of India Limited themselves or through their any other authorized representative(s), (b) all rights and obligations of the PFCCL/Company shall be of the Selected Bidder and (d) any decisions taken by the PFCCL/Company prior to the date of its acquisition by the Selected Bidder shall continue to be binding on the Selected Bidder. The Parties hereby agree that this provision shall survive the termination of this Agreement.

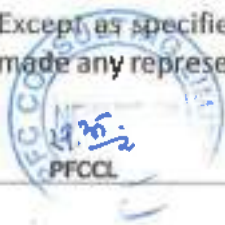
3.6 This agreement shall be effective from the date of its signing by the Parties and shall remain in force until all the obligations of the respective Parties under Clause 3.3 hereto are fulfilled.

4. REPRESENTATIONS AND WARRANTIES

4.1 The Selected Bidder hereby represents and warrants to the Shares Seller that:



- 4.1.1 The Selected Bidder has full legal right, power and authority to enter into, execute and deliver this Agreement and to perform the obligations, undertakings and transactions set forth herein, and this Agreement has been duly and validly executed and delivered by the Selected Bidder and constitutes its legal, valid and binding obligations, enforceable against it in accordance with its terms;
- 4.1.2 The execution, delivery and performance of this Agreement by the Selected Bidder will not violate or contravene any provision of the Memorandum of Association or Articles of the Selected Bidder, (ii) will not violate or contravene any law, statute, rule, regulation, licensing requirement, order, writ, injunction or decree of any court, governmental instrumentality or other regulatory, governmental or public body, agency or authority by which the Selected Bidder are bound or by which any of its and/or their properties or assets are bound, and (iii) except to the extent that the same have been duly and properly completed or obtained, will not require any filing with, or permit, consent or approval of or license from, or the giving of any notice to, any court, governmental instrumentality or other regulatory, governmental or public body, agency or authority, joint venture party, or any other entity or person whatsoever; and
- 4.1.3 The Selected Bidder is not restricted in any manner whatsoever, including without limitation, on account of any judicial or governmental order, action or proceeding, or any contractual obligation assumed by the Selected Bidder, from purchasing the Sale Shares from the Shares Seller in the manner provided for in this Agreement.
- 4.2 The Shares Seller hereby represents and warrants to the Selected Bidder that:
- 4.2.1 The Shares Seller and the Nominees are the legal and beneficial owners of the Sale Shares, free and clear of any Encumbrance and the delivery to the Selected Bidder of the Sale Shares pursuant to the provisions of this Agreement will transfer to the Selected Bidder a good title to the Sale Shares.
- 4.2.2 The Shares Seller has full legal right, power and authority to enter into, execute and deliver this Agreement and to perform the obligations, undertakings and transactions set forth herein. The execution, delivery and performance of this Agreement will not violate the Memorandum and Articles of Association of the Shares Seller or contravene any contract by which it is bound.
- 4.2.3 The Shares Seller has obtained requisite authorizations to sell and transfer the Sale Shares to the Selected Bidder. The Shares Seller also represent that it is not prevented from transferring and selling the Sale Shares. Also, to the best of its knowledge, the Sale Shares are not the subject matter of any claim or pending proceeding or threatened by any legal proceeding made by any third party.
- 4.3 Except as specified in Clause 4.2, above the Shares Seller shall not be deemed to have, made any representation or warranty whatsoever, whether express or implied, in relation



to the Sale Shares or Company, including but not limited to any implied warranty or representation as to the business or affairs of the Company.

- 4.4 The Representations and Warranties are given as at the date of this Agreement except that where a Representation and Warranty is expressed to be made as at another date, the Representation and Warranty is given with respect to that date only.
- 4.5 Each Representation and Warranty is to be construed independently of the others and is not limited by reference to any other Warranty. The Representations, Warranties and undertakings contained in this Clause 4 hereto or in any document delivered pursuant to or in connection with this Agreement are continuing in nature and shall survive the Closing Date for one (1) year.
- 4.6 The Parties represent to each other that all Representations and Warranties provided herein by the respective Party shall be true as of Closing Date.

5. OBLIGATIONS OF THE SELECTED BIDDER

The Selected Bidder agrees that the Shares Seller shall not be liable in any manner, nor shall it assume any responsibility or liability whatsoever, in respect of the business of the Company and its operations or activities, arising after Closing Date, to any Person or any authority, central, state, local or municipal or otherwise and the same shall be the sole responsibility of the Selected Bidder.

6. MISCELLANEOUS

6.1 NOTICES

- a) All notices to be given under this Agreement shall be in writing and in the English language.
- b) All notices must be delivered personally or by registered or speed post or by recognised courier to the addresses below:

Selected Bidder	STERLITE GRID 32 LIMITED DLF Cyber Park, Block-B, 9 th Floor, Udyog Vihar, Phase-III, Sector-20, Gurugram- 122008
Name of the Holding Company of the SPV	Company Secretary, PFC Consulting Limited First Floor, "Urjanidhi", 1 Barakhamba Lane, Connaught Place, New Delhi- 110001
Company (Before Closing Date)	Project In-charge NEEMRANA II KOTPUTLI TRANSMISSION LIMITED First Floor, "Urjanidhi",



	1 Barakhamba Lane, Connaught Place, New Delhi- 110001
Company (After Closing Date)	NEEMRANA II KOTPUTLI TRANSMISSION LIMITED DLF Cyber Park, Block-B, 9 th Floor, Udyog Vihar, Phase-III, Sector-20, Gurugram- 122008

- c) Any Party may by notice of at least fifteen (15) days to the other Parties change the address and / or addresses to which such notices and communications to it are to be delivered or mailed.

6.2 RESOLUTION OF DISPUTES

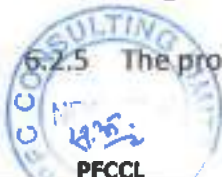
6.2.1 If any dispute arises between the Parties, in connection with the validity, interpretation, implementation or alleged breach of any provision of this Agreement ("Dispute"), the disputing Parties hereto shall endeavour to settle such Dispute amicably. The attempt to bring about an amicable settlement shall be considered to have failed if not resolved within 60 days from the date of the Dispute.

6.2.2 If the Parties are unable to amicably settle the Dispute in accordance with Clause 6.2.1 within the period specified therein, any of the Parties shall be entitled to within 30 days after expiry of the aforesaid period, refer the Dispute to the Company Secretary of PFCCL and Chief Executive/ Managing Director of the Selected Bidder for resolution of the said Dispute. The attempt to bring about such resolution shall be considered to have failed if not resolved within 30 days from the date of receipt of a written notification in this regard.

6.2.3 In the event the Dispute is not settled in accordance with Clause 6.2.2 above, any Party to the Dispute shall be entitled to serve a notice invoking this Clause and making a reference to a sole arbitrator. If the Parties to the Dispute cannot agree as to the appointment of the sole arbitrator within 30 days of receipt of the notice of the Party making the reference, then the Shares Seller along with the Company shall appoint one arbitrator and the Selected Bidder shall appoint one arbitrator and the two arbitrators, so appointed shall appoint a third arbitrator. However, after the Closing Date, in such an event the Shares Seller shall appoint one arbitrator and the Selected Bidder along with the Company shall appoint one arbitrator and the two arbitrators, so appointed shall appoint the third arbitrator.

6.2.4 The place of the arbitration shall be New Delhi. The Arbitration proceedings shall be governed by the Arbitration and Conciliation Act, 1996.

6.2.5 The proceedings of arbitration shall be in English language.



6.2.6 The arbitrator's award shall be substantiated in writing. The arbitrators shall also decide on the costs of the arbitration proceedings. In case the arbitrators have not decided on the costs of the arbitration proceedings, each Party to the Dispute shall bear its own costs, in relation to the arbitration proceedings.

6.3 AUTHORISED PERSON

For the purposes of this Agreement, the Selected Bidder is represented by the Board of Directors, and/or, Mr. Tatimakula Amarendranath Reddy and/or Mr. Nanda Kishore Panda and/or Mr. Ashok Ganesan, and/or Mr. Balaji Sivan and/or Ms. Sophia Lorean Swamy and/or Mr. Pradeep Sand, the authorized representatives of the Selected Bidder] pursuant to an authorisation granted to above-mentioned authorized representatives of the Selected Bidder through necessary Board resolutions. Further, by the Board of Directors, and/or, Mr. Tatimakula Amarendranath Reddy and/or Mr. Nanda Kishore Panda and/or Mr. Ashok Ganesan, and/or Mr. Balaji Sivan and/or Ms. Sophia Lorean Swamy and/or Mr. Pradeep Sand, the authorized representatives of the Selected Bidder, are also authorized by such resolutions to take any decision which may be required to be taken, do all acts and execute all documents which are or may be required by the Selected Bidder for the proper and effective fulfillment of the rights and obligations under this Agreement. Any action taken or document executed by the above mentioned authorized representatives of the Selected Bidder shall be deemed to be acts done or documents executed by the Selected Bidder and shall be binding on the Selected Bidder.

6.4 RESERVATION OF RIGHTS

No forbearance, indulgence or relaxation or inaction by any Party at any time to require performance of any of the provisions of this Agreement shall in any way affect, diminish or prejudice the right of such Party to require performance of that provision, and any waiver or acquiescence by any Party of any breach of any of the provisions of this Agreement shall not be construed as a waiver or acquiescence of any continuing or succeeding breach of such provisions, a waiver of any right under or arising out of this Agreement or acquiescence to or recognition of rights other than that expressly stipulated in this Agreement.

6.5 CUMULATIVE RIGHTS

All remedies of either Party under this Agreement whether provided herein or conferred by statute, civil law, common law, custom or trade usage, are cumulative and not alternative and may be enforced successively or concurrently.

6.6 PARTIAL INVALIDITY

If any provision of this Agreement or the application thereof to any person or circumstance shall be invalid or unenforceable to any extent, the remainder of this



Agreement and the application of such provision to persons or circumstances other than those as to which it is held invalid or unenforceable shall not be affected thereby, and each provision of this Agreement shall be valid and enforceable to the fullest extent permitted by law. Any invalid or unenforceable provision of this Agreement shall be replaced with a provision, which is valid and enforceable and most nearly reflects the original intent of the unenforceable provision.

6.7 TERMINATION

If (i) the Closing does not occur on the Closing Date for any reason whatsoever, or (ii) the Letter of Intent is withdrawn or terminated for any reason, or (iii) due to termination of the TSA by Central Transmission Utility of India Limited in accordance with Article 3.3.2 or Article 13 of the TSA thereof, PFCCL shall have a right to terminate this Agreement forthwith by giving a written notice to the other Parties hereto.

6.8 AMENDMENTS

No modification or amendment of this Agreement and no waiver of any of the terms or conditions hereof shall be valid or binding unless made in writing and duly executed by all the Parties.

6.9 ASSIGNMENT

This Agreement and the rights and liabilities hereunder shall bind and inure to the benefit of the respective successors of the Parties hereto, but no Party hereto shall assign or transfer its rights and liabilities hereunder to any other Person without the prior written consent of the other Parties, which will not be unreasonably withheld.

6.10 ENTIRE AGREEMENT

This Agreement constitutes the entire Agreement between the Parties with respect to the subject matter herein and supersedes and cancels any prior oral or written agreement, representation, understanding, arrangement, communication or expression of intent relating to the subject matter of this Agreement.

6.11 COSTS

Each of the Parties hereto shall pay their own costs and expenses relating to the negotiation, preparation and execution of this Agreement and the transactions contemplated by this Agreement.

The Selected Bidder shall be liable to bear and pay the stamp duty and other costs in respect of this Agreement and the Share Transfer Forms.



6.12 RELATIONSHIP

None of the provisions of this Agreement shall be deemed to constitute a partnership between the Parties hereto and no Party shall have any authority to bind the other Party otherwise than under this Agreement or shall be deemed to be the agent of the other in any way.

6.13 GOVERNING LAW AND JURISDICTION

This Agreement shall be governed by and construed in accordance with the laws of India and shall be subject to the exclusive jurisdiction of the courts of Delhi.

6.14 COUNTERPARTS

This Agreement may be executed in counterparts by the Parties and each fully executed counterpart shall be deemed to be original.

6.15 CONFIDENTIALITY

The Parties undertake to hold in confidence and not to disclose the terms and conditions of the transaction contemplated hereby to third parties, except:

- (a) to their professional advisors;
- (b) to their officers, employees, agents or representatives, who need to have access to such information for the proper performance of their activities;
- (c) disclosures required under Law;

without the prior written consent of the other Parties.

Provided that Central Transmission Utility of India Limited and PFCL may at any time, disclose the terms and conditions of transactions contemplated hereby to any person, to the extent stipulated under the law or the Bidding Guidelines.

6.16 INDEMNIFICATION

- The Parties hereby agree that transfer of Sale Shares to the Selected Bidder shall vest all the rights, privileges, licenses, responsibilities, liabilities and other obligations pertaining to the Company in the Selected Bidder.
- The Selected Bidder hereby agrees that the Selected Bidder shall not be entitled to any claims or initiate any legal proceedings, by itself or through the Transmission Service Provider against the Share Sellers, its directors, officers, employees and the subscribers including the members of any committees appointed by them in respect



of any actions or decisions taken by any of them up to the Closing Date in furtherance of the Project referred to in recital A of this Agreement.

- Further, the Selected Bidder hereby indemnifies and holds harmless at all times the Share Seller against all losses, damages, charges, and expenses which the Share Seller may sustain or incur towards contractual obligations with respect to the contracts awarded by the Share Seller or any other liability arising with regard to any action/ activity undertaken by the Share Seller for and on behalf of the Company in furtherance of the Project referred to above or otherwise concerning the Company. All such actions shall be defended by the Selected Bidder either itself or through the TSP at its own cost.
- The Parties hereby agree that the provisions of this clause shall survive the termination of this Agreement.

IN WITNESS WHEREOF, THE PARTIES HERETO HAVE CAUSED THIS AGREEMENT TO BE DULY EXECUTED AND DELIVERED AS OF THE DAY AND YEAR FIRST ABOVE WRITTEN

SIGNED AND DELIVERED

BY THE WITHIN NAMED "PFCCL" PFC CONSULTING LIMITED

BY THE HAND OF MR. SACHIN ARORA, COMPANY SECRETARY

PURSUANT TO THE RESOLUTION PASSED BY THE BOARD OF DIRECTORS ON 05th DECEMBER 2023

ON THE 27th DAY OF DECEMBER, 2023

IN THE PRESENCE OF:

WITNESS:

NAME, SIGNATURE, DESIGNATION AND ADDRESS:

SIGNED AND DELIVERED

BY THE WITHIN NAMED "Company" NEEMRANA II KOTPUTLI TRANSMISSION LIMITED

BY THE HAND OF MR. SACHIN SHUKLA, DIRECTOR

PURSUANT TO THE RESOLUTION PASSED BY THE BOARD OF DIRECTORS ON 28th NOVEMBER 2023

ON THE 27th DAY OF DECEMBER, 2023

PFCCL

NTIKTL

SG32L

IN THE PRESENCE OF:

WITNESS:

NAME, SIGNATURE, DESIGNATION AND ADDRESS:

SIGNED AND DELIVERED

BY THE WITHIN NAMED "Selected Bidder" STERLITE GRID 32 LIMITED

BY THE HAND OF MR. BALAJI SIVAM, AUTHORIZED REPRESENTATIVE

PURSUANT TO THE RESOLUTION PASSED BY THE BOARD OF DIRECTORS ON 21st DECEMBER, 2023

ON THE 27th DAY OF DECEMBER, 2023

IN THE PRESENCE OF:

WITNESS:

Pradeep Sand

NAME, SIGNATURE, DESIGNATION AND ADDRESS:



ANNEXURE A**DESCRIPTION OF THE SALE SHARES**

S. NO.	NAME OF THE SHAREHOLDER	NUMBER OF EQUITY SHARES HELD	PERCENTAGE OF THE TOTAL PAID UP EQUITY CAPITAL
1.	PFC Consulting Limited	9400	94%
2.	Shri Manoj Kumar Rana (Nominee of PFC Consulting Limited)	100	1%
3.	Shri Milind Madhusudan Dafade (Nominee of PFC Consulting Limited)	100	1%
4.	Shri Neeraj Singh (Nominee of PFC Consulting Limited)	100	1%
5.	Shri Sanjay Kumar Nayak (Nominee of PFC Consulting Limited)	100	1%
6.	Shri Sachin Shukla (Nominee of PFC Consulting Limited)	100	1%
7.	Shri Rishab Jain (Nominee of PFC Consulting Limited)	100	1%
	Total		100%



True Copy



TRANSMISSION SERVICE AGREEMENT**FOR****DEVELOPMENT AND OPERATION OF INTER-STATE
TRANSMISSION SYSTEM****FOR TRANSMISSION OF ELECTRICITY THROUGH TARIFF
BASED COMPETITIVE BIDDING FOR****TRANSMISSION SYSTEM FOR EVACUATION OF POWER
FROM RAJASTHAN REZ PH-IV (PART-1) (BIKANER
COMPLEX): PART-B****BETWEEN THE****CENTRAL TRANSMISSION UTILITY OF INDIA LIMITED
(NODAL AGENCY)****AND****NEEMRANA II KOTPUTLI TRANSMISSION LIMITED**December 27th 2023

Dr. Arun
True Copy

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Central Transmission Utility of India Limited



2 New India Transmission Limited



[December, 2023]

555

Bond



Indian Non Judicial Stamp Haryana Government



Date : 13/12/2023

Certificate No. GOM2023L4789



Stamp Duty Paid : ₹ 101

GRN No. 110487533



Penalty : ₹ 0

(Rs. Zero only)

Deponent

Name: Central Transmission utility of India Ltd

H.No/Floor : 2

Sector/Ward : 20

Landmark : Na

City/Village : Gurugram

District : Gurugram

State : Haryana

Phone : 90*****40



Purpose : ARTICLE 3 GENERAL AGREEMENT to be submitted at Concerned office

THIS TRANSMISSION SERVICE AGREEMENT (hereinafter referred to as "TSA" or "Agreement" or "the Agreement" or "this Agreement") is made on the 27th [Insert day] of Dec. [Insert month] of Two Thousand and twenty three [Insert Year]

BETWEEN:

The CENTRAL TRANSMISSION UTILITY OF INDIA LIMITED, "Saudamini", 1st Floor, Plot No. 2, Sector-29, Gurugram-122001, Haryana acting as a Nodal Agency (referred to as the "Nodal Agency"), which expression shall unless repugnant to the context or meaning thereof include its successors, and permitted assigns) as Party of the one part;

AND

NEEMRANA II KOTPUTLI TRANSMISSION LIMITED, incorporated under the Companies Act, 2013), having its registered office at First Floor, Urjanidhi, 1 Barakhamba Lane Cannaught Place, New Delhi, Delhi Central Delhi DL 110001 (herein after referred to as "Transmission Service Provider" or "TSP" or "ISTS Licensee", which expression shall unless repugnant to the context or meaning thereof include its successors, and permitted assigns) as Party of the other part;

("Nodal Agency" and "TSP" are individually referred to as "Party" and collectively as the "Parties")

AND WHEREAS:

Central Transmission Utility of India Limited

3 Neemrana II Kotputli Transmission Limited



|December, 2023

- A) In accordance with the Bidding Guidelines, the Bid Process Coordinator (hereinafter referred to as BPC) had initiated a competitive e-reverse bidding process through Issue of RFP for selecting a Successful Bidder to build, own, operate and transfer the Project comprising of the Elements mentioned in Schedule 1 (hereinafter referred to as the Project)
- B) Pursuant to the said e-reverse bidding process, the BPC has identified the Successful Bidder, who will be responsible to set up the Project on build, own, operate and transfer basis to provide Transmission Service in accordance with the terms of this Agreement and the Transmission License.
- C) The Selected Bidder have submitted the Contract Performance Guarantee and acquired one hundred percent (100%) of the equity shareholding of Neemrana II Kotputli Transmission Limited along with all its related assets and liabilities in terms of the provisions of the Share Purchase Agreement.
- D) The TSP has agreed to make an application for a Transmission License to the Commission for setting up the Project on build, own, operate and transfer basis.
- E) The TSP has further agreed to make an application to the Commission for the adoption of the Transmission Charges under Section 63 of the Electricity Act, 2003, along with a certification from the Bid Evaluation Committee in accordance with the Bidding Guidelines Issued by Ministry of Power, Government of India.
- F) The TSP has agreed to execute the agreement(s) required, if any, under Sharing Regulations within fifteen (15) days from the date of grant of Transmission License from the Commission.
- G) The TSP agrees to the terms and conditions laid down under Sharing Regulations, for making available the ISTS and charge the Transmission Charges in accordance with the terms and conditions of Sharing Regulations.
- H) The billing, collection and disbursement of the Transmission Charges by the CTU to the ISTS Licensee shall be governed as per Sharing Regulations.
- I) The terms and conditions stipulated in the Transmission License Issued by the Commission to the TSP shall be applicable to this Agreement and the TSP agrees to comply with these terms and conditions. In case of inconsistency between the Transmission License terms & conditions and the conditions of this Agreement, the conditions stipulated in the Transmission License granted by the Commission shall prevail.

NOW, THEREFORE, IN CONSIDERATION OF THE PREMISES AND MUTUAL AGREEMENTS, COVENANTS AND CONDITIONS SET FORTH HEREIN, IT IS HEREBY AGREED BY AND BETWEEN THE PARTIES HERETO AS FOLLOWS:

Central Transmission Utility of India Limited



5 Neemrana II Kotputli Transmission Limited



| December, 2023

ARTICLE: 1**1. DEFINITIONS AND INTERPRETATIONS****1.1 Definitions:**

- 1.1.1 The words / expressions used in this Agreement, unless as defined below or repugnant to the context, shall have the same meaning as assigned to them by the Electricity Act, 2003 and the rules or regulations framed there under including those issued / framed by the Commission (as defined hereunder), as amended or re-enacted from time to time or the General Clauses Act, failing which it shall bear its ordinary English meaning.

The words/expressions when used in this Agreement shall have the respective meanings as specified below:

"Acquisition Price" shall have the same meaning as defined in the Share Purchase Agreement;

"Act" or "Electricity Act" or "Electricity Act 2003" shall mean the Electricity Act, 2003 and any amendments made to the same or any succeeding enactment thereof;

"Affiliate" shall mean a company that either directly or indirectly

- i. controls or
- ii. is controlled by or
- iii. is under common control with

a Bidding Company (in the case of a single company) or a Member (in the case of a Consortium) and "control" means ownership by one entity of at least twenty six percent (26%) of the voting rights of the other entity;

"Availability" in relation to the Project or in relation to any Element of the Project, for a given period shall mean the time in hours during that period the Project is capable to transmit electricity at its Rated Voltage and shall be expressed in percentage of total hours in the given period and shall be calculated as per the procedure contained in Appendix -II to Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2019, attached herewith in Schedule 6:

"Bid" shall mean technical bid and financial bid submitted by the Bidder, in response to the RFP; in accordance with the terms and conditions of the RFP;

"Bid Deadline" shall mean the last date and time for submission of the Bid in response to RFP, as specified in the RFP;

"Bidding Company" shall refer to such single company that has made a Response to RFP for the Project;

"Bidding Consortium / Consortum" shall refer to a group of companies that has collectively made a Response to RFP for the Project;

"Bid Documents" or "Bidding Documents" shall mean the RFP, along with all attachments thereto or clarifications thereof;

"Bidding Guidelines" shall mean the "Tariff Based Competitive Bidding Guidelines for Transmission Service" and "Guidelines for Encouraging Competition In Development of Transmission Projects" issued by Government of India, Ministry of Power under Section - 63 of the Electricity Act as amended from time to time;

"Bid Process Coordinator" or "BPC" shall mean a person or its authorized representative as notified by the Government of India, responsible for carrying out the process for selection of Bidder who will acquire Transmission Service Provider;

"Bill" shall mean any bill raised by the CTU on the DICs to recover the Transmission Charges pursuant to the Sharing Regulations;

"Business Day" shall mean a day other than Sunday or a statutory holiday, on which the banks remain open for business in the State in which the Nodal Agency's registered office is located and the concerned TSP are located;

"CEA" shall mean the Central Electricity Authority constituted under Section -70 of the Electricity Act;

"Change in law" shall have the meaning ascribed thereto in Article 12;

"Commercial Operation Date" or "COD" shall mean the date as per Article 6.2;

"Commission" or "CERC" shall mean the Central Electricity Regulatory Commission referred to in sub-section (1) of Section 76 of the Electricity Act, 2003 or its successors and assigns;

"Competent Court of Law" shall mean the Supreme Court or any High Court, or any tribunal or any similar judicial or quasi-judicial body in India that has jurisdiction to adjudicate upon issues relating to the Project;

"Connection Agreement" shall mean the agreement between the CTU or STU or any other concerned parties and the TSP, setting out the terms relating to the connection of the Project to the Inter-connection Facilities and use of the Inter State Transmission System as per the provisions of the IEGC, as the case may be;

"Consultation Period" shall mean the period of sixty (60) days or such longer period as the Parties may agree, commencing from the date of issue of a TSP's Preliminary Notice or a Nodal Agency's Preliminary Termination Notice, as provided in Article 13 of this Agreement, for consultation between the Parties to mitigate the consequence of the relevant event having regard to all the circumstances;

"Consents, Clearances and Permits" shall mean all authorizations, licenses, approvals, registrations, permits, waivers, privileges, acknowledgements, agreements, or concessions required to be obtained from or provided by any concerned authority for the development, execution and operation of Project including without any limitation for the construction, ownership, operation and maintenance of the Transmission Lines and/or sub-stations;

"Construction Period" shall mean the period from (and including) the Effective Date of the Transmission Service Agreement up to (but not including) the COD of the Element of the Project in relation to an Element and up to (but not including) the COD of the Project in relation to the Project;

"Contractors" shall mean the engineering, procurement, construction, operation & maintenance contractors, surveyors, advisors, consultants, designers, suppliers to the TSP and each of their respective sub-contractors (and each of their respective successors and permitted assigns) in their respective capacities as such;

"Contract Performance Guarantee" shall mean the irrevocable unconditional bank guarantee, submitted and to be submitted by the TSP or by the Selected Bidder on behalf of the TSP to the Nodal Agency from a bank mentioned in Annexure 17 of the RFP, in the form attached hereto as Schedule B, in accordance with Article 3 of this Agreement and which shall include the additional bank guarantee furnished by the TSP under this Agreement;

"Contract Year", for the purpose of payment of Transmission Charges, shall mean the period beginning on the COD, and ending on the immediately succeeding March 31 and thereafter each period of 12 months beginning on April 1 and ending on March 31 provided that the last Contract Year shall end on the last day of the term of the TSA;

"CTU" or "Central Transmission Utility" shall have same meaning as defined in the Electricity Act, 2003;

"Day" shall mean a day starting at 0000 hours and ending at 2400 hours;

"D/C" shall mean Double Circuit;

"Designated ISTS Customers" or "DICs" shall have the meaning as ascribed in the Sharing Regulations;

"Dispute" shall mean any dispute or difference of any kind between the Parties, in connection with or arising out of this Agreement including any issue on the interpretation and scope of the terms of this Agreement as provided in Article 16;

"Effective Date" for the purposes of this Agreement, shall have the same meaning as per Article 2.1 of this Agreement;

"Electrical Inspector" shall mean a person appointed as such by the Government under sub-section (1) of Section 162 of the Electricity Act 2003 and also includes Chief Electrical Inspector;

"Electricity Rules 2005" shall mean the rules framed pursuant to the Electricity Act 2003 and as amended from time to time;

"Element" shall mean each Transmission Line or each circuit of the Transmission Lines (where there are more than one circuit) or each bay of Sub-station or switching station or HVDC terminal or inverter station of the Project, including

Central Transmission Utility of India Limited



Keremana II Kotputli Transmission Limited



[December, 2023]

ICTs, Reactors, SVC, FSC, etc. forming part of the ISTS, which will be owned, operated and maintained by the concerned ISTS licensee; and which has a separate Scheduled COD as per Schedule 2 of this Agreement and has a separate percentage for recovery of Transmission Charges on achieving COD as per Schedule 5 of this Agreement;

"Event of Default" shall mean the events as defined in Article 13 of this Agreement;

"Expiry Date" shall be the date which is thirty five (35) years from the COD of the Project;

"Financial Closure" shall mean the first Business Day on which funds are made available to the TSP pursuant to the Financing Agreements;

"Financially Evaluated Entity" shall mean the company which has been evaluated for the satisfaction of the financial requirement set forth in the RFP;

"Financing Agreements" shall mean the agreements pursuant to which the TSP is to finance the Project including the loan agreements, security documents, notes, indentures, security agreements, letters of credit and other documents, as may be amended, modified, or replaced from time to time, but without in anyway increasing the liabilities of the Designated ISTS Customers / Nodal Agency;

"Financial Year" shall mean a period of twelve months at midnight Indian Standard Time (IST) between 1st April & 31st March;

"Force Majeure" and **"Force Majeure Event"** shall have the meaning assigned thereto in Article 11;

"GOI" shall mean Government of India;

"Grid Code" / "IEGC" shall mean the Grid Code specified by the Central Commission under Clause (h) of sub-section (1) of Section 79 of the Electricity Act;

"Independent Engineer" shall mean an agency/ company, appointed by Nodal Agency in accordance with the Guidelines for Encouraging Competition in Development of Transmission Projects.

"Indian Governmental Instrumentality" shall mean Government of India, Government of any State in India or any ministry, department, board, authority,

agency, corporation, commission under the direct or indirect control of Government of India or any State Government or both, any political sub-division of any of them including any court or Commission or tribunal or judicial or quasi-judicial body in India but excluding the CTU, TSP and the Designated ISTS Customers;

"Insurances" shall mean the insurance cover to be obtained and maintained by the TSP in accordance with Article 9 of this Agreement;

"Interconnection Facilities" shall mean the facilities as may be set up for transmission of electricity through the use of the Project, on either one or both side of generating station's / CTU's / STU's / ISTS Licensee's / Designated ISTS Customer's substations (as the case may be) which shall include, without limitation, all other transmission lines, gantries, sub-stations and associated equipments not forming part of the Project;

"ISTS Licensee" shall be the TSP under this Agreement, consequent to having been awarded a Transmission License by the CERC and shall be referred to as the TSP or the ISTS Licensee, as the context may require in this Agreement;

"Law" or "Laws" in relation to this Agreement, shall mean all laws including electricity laws in force in India and any statute, ordinance, rule, regulation, notification, order or code, or any interpretation of any of them by an Indian Governmental Instrumentality having force of law and shall include all rules, regulations, decisions and orders of the Commission;

"Lead Member of the Bidding Consortium" or "Lead Member" shall mean a company who commits at least 26% equity stake in the Project, meets the technical requirement as specified in the RFP and so designated by other Member(s) in Bidding Consortium;

"Lenders" means the banks, financial institutions, multilateral funding agencies, non banking financial companies registered with the Reserve Bank of India (RBI), insurance companies registered with the Insurance Regulatory & Development Authority (IRDA), pension funds regulated by the Pension Fund Regulatory & Development Authority (PFDA), mutual funds registered with Securities & Exchange Board of India (SEBI), etc., including their successors and assigns, who have agreed on or before COD of the Project to provide the TSP with the debt financing described in the capital structure schedule, and any successor banks or

financial institutions to whom their interests under the Financing Agreements may be transferred or assigned;

Provided that, such assignment or transfer shall not relieve the TSP of its obligations to the Nodal Agency under this Agreement in any manner and shall also does not lead to an increase in the liability of the Nodal Agency;

"Lenders Representative" shall mean the person notified by the Lender(s) in writing as being the representative of the Lender(s) or the Security Trustee and such person may from time to time be replaced by the Lender(s) pursuant to the Financing Agreements by written notice to the TSP;

"Letter of Intent" or "LOI" shall have the same meaning as in the RFP;

"Member in a Bidding Consortium / Member" shall mean each company in the Bidding Consortium;

"Month" shall mean a period of thirty (30) days from (and excluding) the date of the event;

"Monthly Transmission Charges" for any Element of the Project, after COD of the Element till COD of the Project, and for the Project after COD of the Project, shall mean the amount of Transmission Charges as specified in Schedule 5 of this Agreement multiplied by no. of days in the relevant month and divided by no. of days in the year;

"National Load Despatch Centre" shall mean the centre established as per sub-section (1) of Section 26 of the Electricity Act 2003;

"Nodal Agency" shall mean CTU, which shall execute and implement the Transmission Service Agreement (TSA);

Provided that while taking major decisions, CTU shall consult CEA on technical matters and any other matter it feels necessary.

"Notification" shall mean any notification, issued in the Gazette of India;

"Operating Period" for any Element of the Project shall mean the period from (and including) the COD of such Element of the Project, up to (and including) the Expiry Date and for the Project, shall mean the period from (and including) the COD of the Project, up to (and including) the Expiry Date;

"Parent Company" shall mean an entity that holds at least twenty six percent (26%) of the paid up equity capital directly or indirectly in the Bidding Company or in the Member in a Bidding Consortium, as the case may be;

"Preliminary Termination Notice" shall mean a Nodal Agency's Preliminary Termination Notice as defined in Article 13 of this Agreement;

"Project" shall mean "Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): PART-B", as detailed in Schedule 1 of this Agreement;

"Project Assets" shall mean all physical and other assets relating to and forming part of the Project including:

- (a) rights over the Site for substations, ROW for transmission lines;
- (b) tangible & intangible assets such as civil works and equipment including foundations, embankments, pavements, electrical systems, communication systems, relief centres, administrative offices, Sub-stations, software, tower and sub-stations designs etc;
- (c) project facilities situated on the Site;
- (d) all rights of the TSP under the project agreements;
- (e) financial assets, such as receivables, security deposits etc;
- (f) insurance proceeds; and
- (g) Applicable Permits and authorisations relating to or in respect of the Transmission System;"

"Project Execution Plan" shall mean the plan referred to in Article 3.1.3(c) hereof;

"Prudent Utility Practices" shall mean the practices, methods and standards that are generally accepted internationally from time to time by electric transmission utilities for the purpose of ensuring the safe, efficient and economic design, construction, commissioning, operation, repair and maintenance of the Project and which practices, methods and standards shall be adjusted as necessary, to take account of:

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- (i) operation, repair and maintenance guidelines given by the manufacturers to be incorporated in the Project;
- (ii) the requirements of Law, and
- (iii) the physical conditions at the Site;
- (iv) the safety of operating personnel and human beings;

"Rated Voltage" shall mean voltage at which the Transmission System is designed to operate or such lower voltage at which the line is charged, for the time being, in consultation with the Central Transmission Utility;

"Rebate" shall have the meaning as ascribed to in Article 10.3 of this Agreement;

"RFP" shall mean Request For Proposal dated February 15, 2023 along with all schedules, annexures and RFP Project Documents attached thereto, issued by the BPC for tariff based competitive bidding process for selection of Bidder as TSP to execute the Project, including any modifications, amendments or alterations thereto;

"RFP Project Documents" shall mean the following documents to be entered into in respect of the Project, by the Parties to the respective agreements:

- a. Transmission Service Agreement,
- b. Share Purchase Agreement,
- c. Agreement(s) required under Sharing Regulations and
- d. Any other agreement as may be required;

"RLDC" shall mean the relevant Regional Load Dispatch Centre as defined in the Electricity Act, 2003, in the region(s) in which the Project is located;

"RPC" shall mean the relevant Regional Power Committee established by the Government of India for the specific Region(s) in accordance with the Electricity Act, 2003 for facilitating integrated operation of the Power System in that Region;

"Scheduled COD" in relation to an Element(s) shall mean the date(s) as mentioned in Schedule 2 as against such Element(s) and in relation to the Project,

shall mean the date as mentioned in Schedule 2 as against such Project, subject to the provisions of Article 4.4 of this Agreement, or such date as may be mutually agreed among the Parties;

"Scheduled Outage" shall mean the final outage plan as approved by the RPC as per the provisions of the Grid Code;

"Selected Bid" shall mean the technical Bid and the Final Offer of the Selected Bidder submitted during e-reverse bidding, which shall be downloaded and attached in Schedule 7 on or prior to the Effective Date;

"Share Purchase Agreement" shall mean the agreement amongst PFC Consulting Limited (PFCCL), Neemrana II Kotputli Transmission Limited and the Successful Bidder for the purchase of one hundred (100%) per cent of the shareholding of the Neemrana II Kotputli Transmission Limited for the Acquisition Price, by the Successful Bidder on the terms and conditions as contained therein;

"Sharing Regulations" shall mean the Central Electricity Regulatory Commission (Sharing of Inter-State Transmission Charges and Losses) Regulations, 2020 and as amended from time to time;

"Site" in relation to a substation, switching station or HVDC terminal or inverter station, shall mean the land and other places upon which such station / terminal is to be established;

"SLDC" shall mean the State Load Despatch Centre established as per sub-section (1) of Section 31 of the Electricity Act 2003;

"STU" or "State Transmission Utility" shall be the Board or the Government company, specified as such by the State Government under sub-section (1) of Section 39 of the Electricity Act 2003;

"Successful Bidder" or "Selected Bidder" shall mean the Bidder selected pursuant to the RFP and who has to acquire one hundred percent (100%) equity shares of Neemrana II Kotputli Transmission Limited, along with all its related assets and liabilities, which will be responsible as the TSP to establish the Project on build, own, operate and transfer basis as per the terms of the TSA and other RFP Project Documents;

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"TSP's Preliminary Notice" shall mean a notice issued by the TSP in pursuant to the provisions of Article 13.3 of this Agreement;

"Target Availability" shall have the meaning as ascribed hereto in Article 8.2 of this Agreement;

"Technically Evaluated Entity" shall mean the company which has been evaluated for the satisfaction of the technical requirement set forth in RFP;

"Termination Notice" shall mean a Nodal Agency's Termination Notice given by the Nodal Agency to the TSP pursuant to the provisions of Articles 3.3.2, 3.3.4, 4.4.2, 5.8, 13.2 and 13.3 of this Agreement for the termination of this Agreement;

"Term of Agreement" for the purposes of this Agreement shall have the meaning ascribed thereto in Article 2.2 of this Agreement;

"Transmission Charges" shall mean the Final Offer of the Selected Bidder during the e-reverse bidding and adopted by the Commission, payable to the TSP as per Sharing Regulations;

"Transmission License" shall mean the license granted by the Commission in terms of the relevant regulations for grant of such license issued under the Electricity Act;

"Transmission Service" shall mean making the Project available as per the terms and conditions of this Agreement and Sharing Regulations;

"Unscheduled Outage" shall mean an interruption resulting in reduction of the Availability of the Element(s) / Project (as the case may be) that is not a result of a Scheduled Outage or a Force Majeure Event.

"Ultimate Parent Company" shall mean an entity which owns at least twenty six percent (26%) equity in the Bidding Company or Member of a Consortium, (as the case may be) and in the Technically Evaluated Entity and / or Financially Evaluated Entity (as the case may be) and such Bidding Company or Member of a Consortium, (as the case may be) and the Technically Evaluated Entity and / or Financially Evaluated Entity (as the case may be) shall be under the direct control or indirectly under the common control of such entity;

1.2 Interpretation:

Save where the contrary is indicated, any reference in this Agreement to:

"Agreement" shall be construed as including a reference to its Schedules, Appendices and Annexures;

"Rupee", "Rupees" and "Rs." shall denote lawful currency of India;

"crore" shall mean a reference to ten million (10,000,000) and a "lakh" shall mean a reference to one tenth of a million (1,00,000);

"encumbrance" shall be construed as a reference to a mortgage, charge, pledge, lien or other encumbrance securing any obligation of any person or any other type of preferential arrangement (including, without limitation, title transfer and retention arrangements) having a similar effect;

"holding company" of a company or corporation shall be construed as a reference to any company or corporation of which the other company or corporation is a subsidiary;

"indebtedness" shall be construed so as to include any obligation (whether incurred as principal or surety) for the payment or repayment of money, whether present or future, actual or contingent;

"person" shall have the meaning as defined in Section 2 (49) of the Act;

"subsidiary" of a company or corporation (the holding company) shall be construed as a reference to any company or corporation:

- (i) which is controlled, directly or indirectly, by the holding company, or
- (ii) more than half of the issued share capital of which is beneficially owned, directly or indirectly, by the holding company, or
- (iii) which is a subsidiary of another subsidiary of the holding company,

for these purposes, a company or corporation shall be treated as being controlled by another if that other company or corporation is able to direct its affairs and/or to control the composition of its board of directors or equivalent body;



"winding-up", "dissolution", "insolvency", or "reorganization" in the context of a company or corporation shall have the same meaning as defined in the Companies Act, 1956/ Companies Act, 2013 (as the case may be).

- 1.2.1 Words importing the singular shall include the plural and vice versa.
- 1.2.2 This Agreement itself or any other agreement or document shall be construed as a reference to this or to such other agreement or document as it may have been, or may from time to time be, amended, varied, novated, replaced or supplemented.
- 1.2.3 A Law shall be construed as a reference to such Law including its amendments or re-enactments from time to time.
- 1.2.4 A time of day shall, save as otherwise provided in any agreement or document be construed as a reference to Indian Standard Time.
- 1.2.5 Different parts of this Agreement are to be taken as mutually explanatory and supplementary to each other and if there is any inconsistency between or among the parts of this Agreement, they shall be interpreted in a harmonious manner so as to give effect to each part.
- 1.2.6 The tables of contents and any headings or sub-headings in this Agreement have been inserted for ease of reference only and shall not affect the interpretation of this Agreement.
- 1.2.7 All Interest payable under this Agreement shall accrue from day to day and be calculated on the basis of a year of three hundred and sixty five (365) days.
- 1.2.8 The words "hereof" or "herein", if and when used in this Agreement shall mean a reference to this Agreement.
- 1.2.9 The contents of Schedule 7 shall be referred to for ascertaining accuracy and correctness of the representations made by the Selected Bidder in Article 17.2.1 hereof.

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ARTICLE: 2**2. EFFECTIVENESS AND TERM OF AGREEMENT****2.1 Effective Date:**

This Agreement shall be effective from later of the dates of the following events:

- a. The Selected Bidder, on behalf of the TSP, has provided the Contract Performance Guarantee, as per terms of Article 3.1 of this Agreement; and
- b. The Selected Bidder has acquired for the Acquisition Price, one hundred percent (100%) of the equity shareholding of PFC Consulting Limited in Neemrana II Kotputli Transmission Limited along with all its related assets and liabilities as per the provisions of the Share Purchase Agreement. and
- c. The Agreement is executed and delivered by the Parties;

2.2 Term and Termination:

- 2.2.1 Subject to Article 2.2.3 and Article 2.4, this Agreement shall continue to be effective in relation to the Project until the Expiry Date, when it shall automatically terminate.
- 2.2.2 Post the Expiry Date of this Agreement, the TSP shall ensure transfer of Project Assets to CTU or its successors or an agency as decided by the Central Government at zero cost and free from any encumbrance and liability. The transfer shall be completed within 90 days of expiry of this Agreement failing which CTU shall be entitled to take over the Project Assets Suo moto.
- 2.2.3 This Agreement shall terminate before the Expiry Date in accordance with Article 13 or Article 3.3.2 or Article 3.3.4.

2.3 Conditions prior to the expiry of the Transmission License

- 2.3.1 In order to continue the Project beyond the expiry of the Transmission License, the TSP shall be obligated to make an application to the Commission at least two (2) years before the date of expiry of the Transmission License, seeking the Commission's approval for the extension of the term of the Transmission License up to the Expiry Date.

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2.3.2 The TSP shall timely comply with all the requirements that may be laid down by the Commission for extension of the term of the Transmission License beyond the initial term of twenty-five (25) years & upto the Expiry Date and the TSP shall keep the Nodal Agency fully informed about the progress on its application for extension of the term of the Transmission License.

2.4 Survival:

The expiry or termination of this Agreement shall not affect any accrued rights, obligations/ roles and liabilities of the Parties under this Agreement, including the right to receive liquidated damages as per the terms of this Agreement, nor shall it effect the survival of any continuing obligations/ roles for which this Agreement provides, either expressly or by necessary implication, which are to survive after the Expiry Date or termination including those under Articles 3.3.3, 3.3.5, Article 9.3 (Application of Insurance Proceeds), Article 11 (Force Majeure), Article 13 (Events of Default and Termination), Article 14 (Liability & Indemnification), Article 16 (Governing Law & Dispute Resolution), Article 19 (Miscellaneous).

2.5 Applicability of the provisions of this Agreement

2.5.1 For the purpose of Availability, Target Availability and the computation of Availability, Incentive, Penalty, the provisions provided in this Agreement shall apply and any future modifications in the relevant Rules and Regulations shall not be applicable for this Project.

2.5.2 For the purposes of this Agreement for ISTS systems developed under the tariff based competitive bidding framework, the provisions relating to the definitions (Availability and COD), Article 3 (Contract Performance Guarantee and Conditions Subsequent), Article 5 (Construction of the Project), Article 6 (Connection and Commissioning of the Project), Article 8 (Target Availability and calculation of Availability), Article 11 (Force Majeure), Article 12 (Change in Law), Article 13 (Event of Default), Article 14 (Indemnification), Article 15 (Assignment and Charges), Articles 16.1, 16.2 and 16.4 (Governing Laws and Dispute Resolution) and Article 17 (representation and warranties of the ISTS Licensee) of this agreement shall supersede the corresponding provisions under Sharing Regulations.

ARTICLE: 3**3. CONDITIONS SUBSEQUENT****3.1 Satisfaction of conditions subsequent by the TSP**

3.1.1 Within ten (10) days from the date of issue of Letter of Intent, the Selected Bidder, shall:

- a. Provide the Contract Performance Guarantee, and
- b. Acquire, for the Acquisition Price, one hundred percent (100%) equity shareholding of Neemrana II Kotputli Transmission Limited from PFC Consulting Limited, who shall sell to the Selected Bidder, the equity shareholding of Neemrana II Kotputli Transmission Limited, along with all its related assets and liabilities.
- c. Execute this Agreement;

The TSP shall, within five (5) working days from the date of acquisition of SPV by the Selected Bidder, undertake to apply to the Commission for the grant of Transmission License and for the adoption of tariff as required under section-63 of the Electricity Act.

The Selected Bidder, on behalf of the TSP, will provide to the Central Transmission Utility of India Limited (being the Nodal Agency) the Contract Performance Guarantee for an amount of Rs. 27.30 Crore (Rupees Twenty Seven Crore Thirty Lakh Only).

3.1.2 The Contract Performance Guarantee shall be initially valid for a period up to three (3) months after the Scheduled COD of the Project and shall be extended from time to time to be valid for a period up to three (3) months after the COD of the Project. In case the validity of the Contract Performance Guarantee is expiring before the validity specified in this Article, the TSP shall, at least thirty (30) days before the expiry of the Contract Performance Guarantee, replace the Contract Performance Guarantee with another Contract Performance Guarantee or extend the validity of the existing Contract Performance Guarantee until the validity period specified in this Article.

3.1.3 The TSP agrees and undertakes to duly perform and complete the following activities

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within six (6) months from the Effective Date (except for c) below), unless such completion is affected due to any Force Majeure Event, or if any of the activities is specifically waived in writing by the Nodal Agency:

- a. To obtain the Transmission License for the Project from the Commission;
- b. To obtain the order for adoption of Transmission Charges by the Commission, as required under Section 63 of the Electricity Act 2003;
- c. To submit to the Nodal Agency, CEA & Independent Engineer, the Project Execution Plan, immediately after award of contract(s) and maximum within one hundred and twenty (120) days from the Effective Date. Also, an approved copy each of Manufacturing Quality Plan (MQP) and Field Quality Plan (FQP) would be submitted to Independent Engineer & Nodal Agency in the same time period. The TSP's Project Execution Plan should be in conformity with the Scheduled COD as specified in Schedule 2 of this Agreement, and shall bring out clearly the organization structure, time plan and methodology for executing the Project, award of major contracts, designing, engineering, procurement, shipping, construction, testing and commissioning to commercial operation;
- d. To submit to the Nodal Agency, CEA & Independent Engineer a detailed bar (GANTT) chart of the Project outlining each activity (taking longer than one Month), linkages as well as durations;
- e. To submit to the Nodal Agency, CEA & Independent Engineer detailed specifications of conductor meeting the functional specifications specified in RFP;
- f. To achieve Financial Closure;
- g. To provide an irrevocable letter to the Lenders duly accepting and acknowledging the rights provided to the Lenders under the provisions of Article 15.3 of this Agreement and all other RFP Project Documents;
- h. To award the Engineering, Procurement and Construction contract ("EPC contract") for the design and construction of the Project and shall have given to such Contractor an irrevocable notice to proceed; and
- i. To sign the Agreement(s) required, if any, under Sharing Regulations.

3.2 Recognition of Lenders' Rights by the Nodal Agency

3.2.1 The Nodal Agency hereby accepts and acknowledges the rights provided to the Lenders as per Article 15.3 of this Agreement and all other RFP Project Documents.

3.3 Consequences of non-fulfilment of conditions subsequent

3.3.1 If any of the conditions specified in Article 3.1.3 is not duly fulfilled by the TSP even within three (3) Months after the time specified therein, then on and from the expiry of such period and until the TSP has satisfied all the conditions specified in Article 3.1.3, the TSP shall, on a monthly basis, be liable to furnish to Central Transmission Utility of India Limited (being the Nodal Agency) additional Contract Performance Guarantee of Rs. 2.73 Crore (Rupees Two Crore Seventy Three Lakh Only) within two (2) Business Days of expiry of every such Month. Such additional Contract Performance Guarantee shall be provided to Central Transmission Utility of India Limited (being the Nodal Agency) in the manner provided in Article 3.1.1 and shall become part of the Contract Performance Guarantee and all the provisions of this Agreement shall be construed accordingly. Central Transmission Utility of India Limited (being the Nodal Agency) shall be entitled to hold and / or invoke the Contract Performance Guarantee, including such additional Contract Performance Guarantee, in accordance with the provisions of this Agreement.

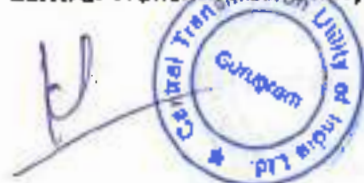
3.3.2 Subject to Article 3.3.4, if:

- (i) the fulfilment of any of the conditions specified in Article 3.1.3 is delayed beyond nine (9) Months from the Effective Date and the TSP fails to furnish additional Contract Performance Guarantee to the Nodal Agency in accordance with Article 3.3.1 hereof; or
- (ii) the TSP furnishes additional Performance Guarantee to the Nodal Agency in accordance with Article 3.3.1 hereof but fails to fulfil the conditions specified in Article 3.1.3 within a period of twelve (12) months from the Effective Date,

the Nodal Agency shall have the right to terminate this Agreement, by giving a Termination Notice to the TSP, in writing, of at least seven (7) days, with a copy to CEA and the Lenders' Representative in order to enable the Lenders to exercise right of substitution in accordance with Article 15.3 of this Agreement.

3.3.3 If the Nodal Agency elects to terminate this Agreement as per the provisions of Article 3.3.2, the TSP shall be liable to pay to the Nodal Agency an amount of Rs

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27.30 Crore (Rupees Twenty Seven Crore Thirty Lakh Only) as liquidated damages. The Nodal Agency shall be entitled to recover this amount of damages by invoking the Contract Performance Guarantee to the extent of liquidated damages, which shall be required by the Nodal Agency, and the balance shall be returned to TSP, if any.

It is clarified for removal of doubt that this Article shall survive the termination of this Agreement.

- 3.3.4** In case of inability of the TSP to fulfill the conditions specified in Article 3.1.3 due to any Force Majeure Event, the time period for fulfilment of the condition subsequent as mentioned in Article 3.1.3, may be extended for a period of such Force Majeure Event. Alternatively, if deemed necessary, this Agreement may be terminated by the Nodal Agency by giving a Termination Notice to the TSP, in writing, of at least seven (7) days, with a copy to CEA and the Lenders' Representative in order to enable the Lenders to exercise right of substitution in accordance with Article 15.3 of this Agreement and the Contract Performance Guarantee shall be returned as per the provisions of Article 6.5.1.

Provided, that due to the provisions of this Article 3.3.4, any increase in the time period for completion of conditions subsequent mentioned under Article 3.1.3, shall lead to an equal increase in the time period for the Scheduled COD. If the Scheduled COD is extended beyond a period of one hundred eighty (180) days due to the provisions of this Article 3.3.4, the TSP will be allowed to recover the interest cost during construction corresponding to the period exceeding one hundred eighty (180) days by adjustment in the Transmission Charges in accordance with Schedule 9.

- 3.3.5** Upon termination of this Agreement as per Articles 3.3.2 and 3.3.4, the Nodal Agency may take steps to bid out the Project again.
- 3.3.6** The Nodal agency, on the failure of the TSP to fulfil its obligations, if it considers that there are sufficient grounds for so doing, apart from invoking the Contract Performance Guarantee under para 3.3.3 may also initiate proceedings for blacklisting the TSP as per provisions of Article 13.2 of TSA.

3.4 Progress Reports

The TSP shall notify the Nodal Agency and CEA in writing at least once a Month on the progress made in satisfying the conditions subsequent in Articles 3.1.3.

ARTICLE: 4**4. DEVELOPMENT OF THE PROJECT****4.1 TSP's obligations in development of the Project:**

Subject to the terms and conditions of this Agreement, the TSP at its own cost and expense shall observe, comply with, perform, undertake and be responsible:

- a. for procuring and maintaining in full force and effect all Consents, Clearances and Permits, required in accordance with Law for development of the Project;
- b. for financing, constructing, owning and commissioning each of the Element of the Project for the scope of work set out in Schedule 1 of this Agreement in accordance with:
 - i. the Electricity Act and the Rules made thereof;
 - ii. the Grid Code;
 - iii. the CEA Regulations applicable, and as amended from time to time, for Transmission Lines and sub-stations:
 - the Central Electricity Authority (Technical Standards for Connectivity to the Grid) Regulations, 2007;
 - Central Electricity Authority (Technical Standards for construction of Electrical Plants and Electric Lines) Regulation, 2010;
 - Central Electricity Authority (Grid Standard) Regulations, 2010;
 - Central Electricity Authority (Safety requirements for construction, operation and maintenance of Electrical Plants and Electrical Lines) Regulation, 2011;
 - Central Electricity Authority (Measures relating to Safety and Electricity Supply) Regulation, 2010;
 - Central Electricity Authority (Technical Standards for Communication System In Power System Operation) Regulations, 2020.

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iv. Safety/ security Guidelines laid down by the Government;

v. Prudent Utility Practices, relevant Indian Standards and the Law;

not later than the Scheduled COD as per Schedule 2 of this Agreement;

- c. for entering into a Connection Agreement with the concerned parties in accordance with the Grid Code.
- d. for owning the Project throughout the term of this Agreement free and clear of any encumbrances except those expressly permitted under Article 15 of this Agreement;
- e. to co-ordinate and liaise with concerned agencies and provide on a timely basis relevant information with regard to the specifications of the Project that may be required for Interconnecting the Project with the Interconnection Facilities;
- f. for providing all assistance to the Arbitrators as they may require for the performance of their duties and responsibilities;
- g. to provide to the Nodal Agency and CEA, on a monthly basis, progress reports with regard to the Project and its execution (in accordance with prescribed form) to enable the CEA to monitor and co-ordinate the development of the Project matching with the Interconnection Facilities;
- h. to comply with Ministry of Power order no. 25-11/6/2018 – PG dated 02.07.2020 as well as other Guidelines issued by Govt. of India pertaining to this;
- i. to procure the products associated with the Transmission System as per provisions of Public Procurement (Preference to Make in India) orders issued by Ministry of Power vide orders No. 11/5/2018 - Coord. dated 28.07.2020 for transmission sector, as amended from time to time read with Department for Promotion of Industry and Internal Trade (DPIIT) orders in this regard (Procuring Entity as defined in above orders shall deemed to have included Selected Bidder and/ or TSP).

Also, to comply with Department of Expenditure, Ministry of Finance vide Order (Public Procurement No 1) bearing File No. 6/18/2019-PPD dated 23.07.2020, Order (Public Procurement No 2) bearing File No. 6/18/2019-PPD dated 23.07.2020 and Order (Public Procurement No. 3) bearing File No. 6/18/2019-PPD, dated 24.07.2020, as amended from time to time, regarding public procurement from a bidder of a country, which shares land border with India;

- j. to submit to Nodal Agency Information in the prescribed format [To be devised by Nodal Agency] for ensuring compliance to Article 4.1 i) above.
- k. to comply with all its obligations undertaken in this Agreement.

4.2 Roles of the Nodal Agency in implementation of the Project:

4.2.1 Subject to the terms and conditions of this Agreement, the Nodal Agency shall be the holder and administrator of this Agreement and shall inter alia:

- a. appoint an Independent Engineer within 90 days of the Effective Date
- b. provide letters of recommendation to the concerned Indian Governmental Instrumentality, as may be requested by the TSP from time to time, for obtaining the Consents, Clearances and Permits required for the Project;
- c. coordinate among TSP and upstream/downstream entities in respect of Interconnection Facilities; and
- d. monitor the implementation of the Agreement and take appropriate action for breach thereof including revocation of guarantees, cancellation of Agreement, blacklisting etc
- e. provide all assistance to the Arbitrators as required for the performance of their duties and responsibilities; and
- f. perform any other responsibility (ies) as specified in this Agreement.

4.3 Time for Commencement and Completion:

- a. The TSP shall take all necessary steps to commence work on the Project from the Effective Date of the Agreement and shall achieve Scheduled COD of the Project in accordance with the time schedule specified in Schedule 2 of this Agreement;



- b. The COD of each Element of the Project shall occur no later than the Scheduled COD or within such extended time to which the TSP shall be entitled under Article 4.4 hereto.

4.4 Extension of time:

- 4.4.1 In the event that the TSP is unable to perform its obligations for the reasons solely attributable to the Nodal Agency, the Scheduled COD shall be extended, by a 'day to day' basis, subject to the provisions of Article 13.
- 4.4.2 In the event that an Element of the Project cannot be commissioned by its Scheduled COD on account of any Force Majeure Event as per Article 11, the Scheduled COD shall be extended, by a 'day to day' basis for a period of such Force Majeure Event. Alternatively, if deemed necessary, the Nodal Agency may terminate the Agreement as per the provisions of Article 13.4 by giving a Termination Notice to the TSP, in writing, of at least seven (7) days, with a copy to CEA and the Lenders' Representative in order to enable the Lenders to exercise right of substitution in accordance with Article 15.3 of this Agreement.
- 4.4.3 If the Parties have not agreed, within thirty (30) days after the affected Party's performance has ceased to be affected by the relevant circumstance, on how long the Scheduled COD should be deferred by, any Party may raise the Dispute to be resolved in accordance with Article 16.

4.5 Metering Arrangements:

- 4.5.1 The TSP shall comply with all the provisions of the IEGC and the Central Electricity Authority (Installation and Operation of Meters) Regulations, 2006 as amended from time to time, with regard to the metering arrangements for the Project. The TSP shall fully cooperate with the CTU / STU / RLDC and extend all necessary assistance in taking meter readings.

4.6 Interconnection Facilities:

- 4.6.1 Subject to the terms and conditions of this Agreement, the TSP shall be responsible for connecting the Project with the Interconnection point(s) specified in Schedule 1 of this Agreement. The Interconnection Facilities shall be developed as per the scope of work and responsibilities assigned in Schedule 1 of this Agreement. The Nodal Agency shall be responsible for coordinating to make available the Interconnection Facilities.

- 4.6.2 In order to remove any doubts, it is made clear that the obligation of the TSP within the scope of the project is to construct the Project as per Schedule-1 of this Agreement and in particular to connect it to the Interconnection Facilities as specified in this Agreement.

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ARTICLE: 5**S. CONSTRUCTION OF THE PROJECT****5.1 TSP's Construction Responsibilities:**

- 5.1.1 The TSP, at its own cost and expense, shall be responsible for designing, constructing, erecting, testing and commissioning each Element of the Project by the Scheduled COD in accordance with the Regulations and other applicable Laws specified in Article 4.1 of this Agreement.
- 5.1.2 The TSP acknowledges and agrees that it shall not be relieved from any of its obligations under this Agreement or be entitled to any extension of time or any compensation whatsoever by reason of the unsuitability of the Site or Transmission Line route(s).
- 5.1.3 The TSP shall be responsible for obtaining all Consents, Clearances and Permits related but not limited to road / rail / river / canal / power line / crossings, Power and Telecom Coordination Committee (PTCC), defence, civil aviation, right of way / way-leaves and environmental & forest clearances from relevant authorities required for developing, financing, constructing, maintaining/ renewing all such Consents, Clearances and Permits in order to carry out its obligations under this Agreement in general and shall furnish to the Nodal Agency such copy/ies of each Consents, Clearances and Permits, on demand. Nodal Agency shall provide letters of recommendation to the concerned Indian Governmental Instrumentality, as may be requested by the TSP from time to time, for obtaining the Consents, Clearances and Permits required for the Project.
- 5.1.4 The TSP shall be responsible for:
- a) acquisition of land for location specific substations, switching stations or HVDC terminal or inverter stations. Also, the actual location of Greenfield substations (Switching Stations or HVDC Terminal or Inverter Stations) for a generation pooling substation and for load serving substations in the scope of TSP shall not be beyond 3 Km radius of the location proposed by the BPC in the survey report. However, actual location of any Greenfield intermediate Substations in the scope of TSP shall not be beyond 10 Km radius of the location proposed by the BPC in the Survey Report;

- b) final selection of Site including its geo-technical investigation;
- c) survey and geo-technical investigation of line route in order to determine the final route of the Transmission Lines;
- d) seeking access to the Site and other places where the Project is being executed, at its own risk and costs, including payment of any crop, tree compensation or any other compensation as may be required.

5.1.5 In case the Project involves any resettlement and rehabilitation, the resettlement and rehabilitation package will be implemented by the State Government authorities, for which the costs is to be borne by the TSP and no changes would be allowed in the Transmission Charges on account of any variation in the resettlement and rehabilitation cost. The TSP shall provide assistance on best endeavour basis, in implementation of the resettlement and rehabilitation package, if execution of such package is in the interest of expeditious implementation of the Project and is beneficial to the Project affected persons.

5.2 Appointing Contractors:

5.2.1 The TSP shall conform to the requirements as provided in this Agreement while appointing Contractor(s) for procurement of goods & services.

5.2.2 The appointment of such Contractor(s) shall neither relieve the TSP of any of its obligations under this Agreement nor make the Nodal Agency liable for the performance of such Contractor(s).

5.3 Monthly Progress Reporting:

The TSP shall provide to the CEA, Nodal Agency & Independent Engineer, on a monthly basis, progress reports along with likely completion date of each Element with regard to the Project and its execution (in accordance with prescribed form). The Nodal Agency/ CEA shall monitor the development of the Project for its timely completion for improving and augmenting the electricity system as a part of its statutory responsibility.

5.4 Quality of Workmanship:

The TSP shall ensure that the Project is designed, built and completed in a good workmanship using sound engineering and construction practices, and using only



materials and equipment that are new and manufactured as per the MQP and following approved FQP for erection, testing & commissioning and complying with Indian/International Standards such that, the useful life of the Project will be at least thirty five (35) years from the COD of the Project.

The TSP shall ensure that all major substation equipment / component (e.g. transformers, reactors, Circuit Breakers, Instrument Transformers (IT), Surge Arresters (SA), Protection relays, clamps & connectors etc.), equipment in terminal stations of HVDC installations including Thyristor/ IGBT valves, Converter Transformers, smoothing reactors, Transformer bushings and wall bushings, GIS bus ducts, towers and gantry structures and transmission towers or poles and line materials (conductors, earthwire, OPGW, insulator, accessories for conductors, OPGW & earthwires, hardware fittings for insulators, aviation lights etc), facilities and system shall be designed, constructed and tested (Type test, Routine tests, Factory Acceptance Test (FAT)) in accordance with relevant CEA Regulations and Indian Standards. In case Indian Standards for any particular equipment/ system/ process is not available, IEC/ IEEE or equivalent International Standards and Codes shall be followed.

5.5 Progress Monitoring & Quality Assurance:

5.5.1 The Project Execution Plan submitted by the TSP in accordance with Article 3.1.3 c) shall comprise of detailed schedule of all the equipments/items /materials required for the Project, right from procurement of raw material till the dispatch from works and receipt at the site. Further, it should also include various stages of the construction schedule up to the commissioning of the Project.

5.5.2 Nodal Agency, CEA & Independent Engineer shall have access at all reasonable times to the Site and to the Manufacturer's works and to all such places where the Project is being executed.

5.5.3 Independent Engineer shall ensure conformity of the conductor specifications with the functional specifications specified in RFP.

5.5.4 The Independent Engineer shall monitor the following during construction of the Project:

- a) Quality of equipments, material, foundation, structures and workmanship etc. as laid down in Article 5.4 and 6.1.4 of the TSA. Specifically, quality of Sub-station

equipments, transmission line material and workmanship etc. would be checked in accordance with the Article 5.4.

- b) Progress in the activities specified in Condition Subsequent
- c) Verification of readiness of the elements including the statutory clearances & completion of civil works, fixing of all components and finalisation of punch points (if any) prior to charging of the elements
- d) Progress of construction of substation and Transmission Lines

5.5.5 The progress shall be reviewed by the Independent Engineer against the Project Execution Plan. The Independent Engineer shall prepare its report on monthly basis and submit the same to Nodal Agency highlighting the progress achieved till the end of respective month vis-à-vis milestone activities, areas of concern, if any, which may result in delay in the timely completion of the Project. Based on the progress, Nodal Agency and/ or CEA shall issue written instructions to the TSP to take corrective measures, as may be prudent for the timely completion of the Project. In case of any deficiency, the Nodal Agency would be at liberty to take action in accordance with the procedure of this Agreement.

5.5.6 For any delay in commissioning any critical Element(s), as identified in Schedule 1 & Schedule 2 of this Agreement, beyond a period of 45 days shall lead to a sequestration of 10% of the Contract Performance Guarantee.

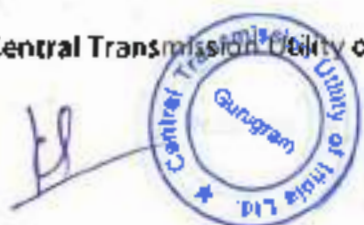
5.6 Site regulations and Construction Documents

The TSP shall abide by the Safety Rules and Procedures as mentioned in Schedule 3 of this Agreement

The TSP shall retain at the Site and make available for inspection at all reasonable times, copies of the Consents, Clearances and Permits, construction drawings and other documents related to construction.

5.7 Supervision of work:

The TSP shall provide all necessary superintendence for execution of the Project and its supervisory personnel shall be available to provide full-time superintendence for



execution of the Project. The TSP shall provide skilled personnel who are experienced in their respective fields.

5.8 Remedial Measures:

The TSP shall take all necessary actions for remedying the shortfall in achievement of timely progress in execution of the Project, if any, as intimated by the Independent Engineer and/ or CEA and/ or the Nodal Agency. However, such intimation by the Independent Engineer and/ or CEA and/ or the Nodal Agency and the subsequent effect of such remedial measures carried out by the TSP shall not relieve the TSP of its obligations in the Agreement. Independent Engineer and/ or CEA and/ or the Nodal Agency may carry out random inspections during the Project execution, as and when deemed necessary by it. If the shortfalls as intimated to the TSP are not remedied to the satisfaction of the CEA and/ or the Nodal Agency, this Agreement may be terminated by the Nodal Agency by giving a Termination Notice to the TSP, in writing, of at least seven (7) days, with a copy to CEA and the Lenders' Representative in order to enable the Lenders to exercise right of substitution in accordance with Article 15.3 of this Agreement.

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ARTICLE: 6**6. CONNECTION AND COMMISSIONING OF THE PROJECT****6.1 Connection with the Inter-Connection Facilities:**

- 6.1.1 The TSP shall give the RLDC(s), CTU, / STU, as the case may be, and any other agencies as required, at least sixty (60) days advance written notice of the date on which it intends to connect an Element of the Project, which date shall not be earlier than its Scheduled COD or Schedule COD extended as per Article 4.4.1 & 4.4.2 of this Agreement, unless mutually agreed to by Parties. Further, any preponing of COD of any element prior to Scheduled COD must be approved by the Nodal Agency.
- 6.1.2 The RLDC / SLDC (as the case may be) or the CTU / STU (as the case may be), for reasonable cause, including non-availability of Interconnection Facilities as per Article 4.2, can defer the connection for up to fifteen (15) days from the date notified by the TSP pursuant to Article 6.1.1, if it notifies to the TSP in writing, before the date of connection, of the reason for the deferral and when the connection is to be rescheduled. However, no such deferment on one or more occasions would be for more than an aggregate period of thirty (30) days. Further, the Scheduled COD would be extended as required, for all such deferments on "day to day" basis.
- 6.1.3 Subject to Articles 6.1.1 and 6.1.2, any Element of Project may be connected with the Interconnection Facilities when:
- it has been completed in accordance with this Agreement and the Connection Agreement;
 - it meets the Grid Code, Central Electricity Authority (Technical Standards for Connectivity to the Grid) Regulations, 2007 as amended from time to time and all other Indian legal requirements, and
 - The TSP has obtained the approval in writing of the Electrical Inspector certifying that the Element is ready from the point of view of safety of supply and can be connected with the Interconnection Facilities.
 - It has satisfactorily met all the testing requirements as per Articles 6.1.4.

6.1.4 Site Acceptance Test (SAT)/ pre-commissioning tests of all major substation equipment, component, system, facilities shall be successfully carried out before commissioning. The Type tests, FAT and SAT reports should be available at the substation / terminal station of HVDC installations for ready reference of operation and maintenance staff and has to be made available to the Independent Engineer appointed for quality monitoring or their authorised representatives, as and when they wish to examine the same.

6.2 Commercial Operation:

6.2.1 An Element of the Project shall be declared to have achieved COD twenty four (24) hours following the connection of the Element with the Interconnection Facilities pursuant to Article 6.1 or seven (7) days after the date on which it is declared by the TSP to be ready for charging but is not able to be charged for reasons not attributable to the TSP subject to Article 6.1.2.

Provided that an Element shall be declared to have achieved COD only after all the Element(s), if any, which are pre-required to have achieved COD as defined in Schedule 2 of this Agreement, have been declared to have achieved their respective COD.

6.2.2 Once any Element of the Project has been declared to have achieved deemed COD as per Article 6.2.1 above, such Element of the Project shall be deemed to have Availability equal to the Target Availability till the actual charging of the Element and to this extent, TSP shall be eligible for the Monthly Transmission Charges applicable for such Element.

6.3 Compensation for Direct Non Natural Force Majeure Event or Indirect Non Natural Force Majeure Event or Natural Force Majeure Event (affecting the Nodal Agency)

6.3.1 If the TSP is otherwise ready to connect the Element(s) of the Project and has given due notice, as per provisions of Article 6.1.1, to the concerned agencies of the date of intention to connect the Element(s) of the Project, where such date is not before the Scheduled COD, but is not able to connect the Element(s) of the Project by the said date specified in the notice, due to Direct Non Natural Force Majeure Event or Indirect Non Natural Force Majeure Event or Natural Force Majeure Event affecting the Nodal Agency, provided such Direct Non Natural Force Majeure Event or Indirect Non Natural Force Majeure Event or Natural Force Majeure Event affecting the

Nodal Agency has continued for a period of more than three (3) continuous or non-continuous Months, the TSP shall, until the effects of the Direct Non Natural Force Majeure Event or of Indirect Non Natural Force Majeure Event or Natural Force Majeure Event affecting the Nodal Agency no longer prevent the TSP from connecting the Element(s) of the Project, be deemed to have achieved COD relevant to that date and to this extent, be deemed to have been providing Transmission Service with effect from the date notified, and shall be treated as follows:

- a. In case of delay due to Direct Non Natural Force Majeure Event, TSP is entitled for Transmission Charges calculated on Target Availability for the period of such events in excess of three (3) continuous or non continuous Months in the manner provided in (c) below.
- b. In case of delay due to Indirect Non Natural Force Majeure Event or Natural Force Majeure Event affecting the Nodal Agency, TSP is entitled for payment for debt service which is due under the Financing Agreements, subject to a maximum of Transmission Charges calculated on Target Availability, for the period of such events in excess of three (3) continuous or non continuous Months in the manner provided in (c) below.
- c. In case of delay due to Direct Non Natural Force Majeure Event or Indirect Non Natural Force Majeure Event or Natural Force Majeure Event affecting the Nodal Agency, the TSP is entitled for payments mentioned in (a) and (b) above, after commencement of Transmission Service, in the form of an increase in Transmission Charges. These amounts shall be paid from the date, being the later of a) the date of cessation of such Indirect Non Natural Force Majeure Event or Natural Force Majeure Event affecting the Nodal Agency and b) the completion of sixty (60) days from the receipt of the Financing Agreements by the Nodal Agency from the TSP.

Provided such increase in Transmission Charges shall be so as to put the TSP in the same economic position as the TSP would have been in case the TSP had been paid amounts mentioned in (a) and (b) above in a situation where the Force Majeure Event had not occurred.

For the avoidance of doubt, it is clarified that the charges payable under this Article 6.3.1 shall be recovered as per Sharing Regulations.

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6.4 Liquidated Damages for Delay in achieving COD of Project:

6.4.1 If the TSP fails to achieve COD of any Element of the Project or the Project, by the Element's / Project's Scheduled COD or such Scheduled COD as extended under Articles 4.4.1 and 4.4.3, then the TSP shall pay to the Nodal Agency, a sum equivalent to 3.33% of Monthly Transmission Charges applicable for the Element of the Project [In case where no Elements have been defined, to be on the Project as a whole] / Project, for each day of delay up to sixty (60) days of delay and beyond that time limit, at the rate of five percent (5%) of the Monthly Transmission Charges applicable to such Element / Project, as liquidated damages for such delay and not as penalty, without prejudice to any rights of the Nodal Agency under the Agreement.

6.4.2 The TSP's maximum liability under this Article 6.4 shall be limited to the amount of liquidated damages calculated in accordance with Article 6.4.1 for and up to six (6) months of delay for the Element or the Project.

Provided that, in case of failure of the TSP to achieve COD of the Element of the Project even after the expiry of six (6) months from its Scheduled COD, the provisions of Article 13 shall apply.

6.4.3 The TSP shall make payment to the Nodal Agency of the liquidated damages calculated pursuant to Article 6.4.1 within ten (10) days of the earlier of:

- a. the date on which the applicable Element achieves COD; or
- b. the date of termination of this Agreement.

The payment of such damages shall not relieve the TSP from its obligations to complete the Project or from any other obligation and liabilities under the Agreement.

6.4.4 If the TSP fails to pay the amount of liquidated damages to the Nodal Agency within the said period of ten (10) days, the Nodal Agency shall be entitled to recover the said amount of the liquidated damages by invoking the Contract Performance Guarantee. If the then existing Contract Performance Guarantee is for an amount which is less than the amount of the liquidated damages payable by the TSP to the Nodal Agency under this Article 6.3 and the TSP fails to make payment of the balance amount of the liquidated damages not covered by the Contract Performance Guarantee, then such balance amount shall be deducted from the

Transmission Charges payable to the TSP. The right of the Nodal Agency to encash the Contract Performance Guarantee is without prejudice to the other rights of the Nodal Agency under this Agreement.

- 6.4.5 For avoidance of doubt, it is clarified that amount payable by TSP under this Article is over and above the penalty payable by TSP under Article 5.5.6 of this Agreement.

6.5 Return of Contract Performance Guarantee

- 6.5.1 The Contract Performance Guarantee as submitted by TSP in accordance with Article 3.1.1 shall be released by the Nodal Agency within three (3) months from the COD of the Project. In the event of delay in achieving Scheduled COD of any of the Elements by the TSP (otherwise than due to reasons as mentioned in Article 3.1.3 or Article 11) and consequent part invocation of the Contract Performance Guarantee by the Nodal Agency, Nodal Agency shall release the Contract Performance Guarantee, if any remaining unadjusted, after the satisfactory completion by the TSP of all the requirements regarding achieving the Scheduled COD of the remaining Elements of the Project. It is clarified that the Nodal Agency shall also return / release the Contract Performance Guarantee in the event of (i) applicability of Article 3.3.2 to the extent the Contract Performance Guarantee is valid for an amount in excess of Rs. 27.30 Crore (Rupees Twenty Seven Crore Thirty Lakh Only), or (ii) termination of this Agreement by the Nodal Agency as mentioned under Article 3.3.4 of this Agreement.
- 6.5.2 The release of the Contract Performance Guarantee shall be without prejudice to other rights of the Nodal Agency under this Agreement.

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ARTICLE: 7**7. OPERATION AND MAINTENANCE OF THE PROJECT****7.1 Operation and Maintenance of the Project:**

The TSP shall be responsible for ensuring that the Project is operated and maintained in accordance with the regulations made by the Commission and CEA from time to time and provisions of the Act.

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ARTICLE: 8**8. AVAILABILITY OF THE PROJECT****8.1 Calculation of Availability of the Project:**

Calculation of Availability for the Elements and for the Project, as the case may be, shall be as per Appendix –II to Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2019, as applicable on the Bid Deadline and as appended in Schedule 6 of this Agreement.

8.2 Target Availability:

The Target Availability of each Element and the Project shall be 98%.

Payment of monthly Transmission charges based on actual availability will be calculated as per para 1.2 of Schedule 4 of this Agreement.

If the availability of any Element or the Project is below the Target Availability, for six consecutive months in a Contract Year, the DIC(s) or the Nodal Agency may issue a show cause notice to the TSP, asking them to show cause as to why the Transmission Service Agreement be not terminated, and if no satisfactory cause is shown it may terminate the Agreement. If the Nodal Agency is of the opinion that the transmission system is of critical importance, it may carry out or cause to carry the operation and maintenance of transmission system at the risk and cost of TSP.

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ARTICLE: 9**9. INSURANCES****9.1 Insurance:**

9.1.1 The TSP shall effect and maintain or cause to be effected and maintained during the Construction Period and the Operating Period, adequate Insurances against such risks, with such deductibles including but not limited to any third party liability and endorsements and co-beneficiary/insured, as may be necessary under

- a. any of the Financing Agreements,
- b. the Laws, and
- c. in accordance with Prudent Utility Practices.

The Insurances shall be taken effective from a date prior to the date of the Financial Closure till the Expiry Date.

9.2 Evidence of Insurance cover:

9.2.1 The TSP shall furnish to the Nodal Agency copies of certificates and policies of the Insurances, as and when the Nodal Agency may seek from the TSP as per the terms of Article 9.1

9.3 Application of Insurance Proceeds:

9.3.1 Save as expressly provided in this Agreement, the policies of Insurances and the Financing Agreements, the proceeds of any Insurance claim made due to loss or damage to the Project or any part of the Project shall be first applied to reinstatement, replacement or renewal of such loss or damage.

9.3.2 If a Natural Force Majeure Event renders the Project no longer economically and technically viable and the insurers under the Insurances make payment on a "total loss" or equivalent basis, the portion of the proceeds of such Insurance available to the TSP (after making admissible payments to the Lenders as per the Financing Agreements) shall be allocated only to the TSP. Nodal Agency and / or concerned Designated ISTS Customers shall have no claim on such proceeds of the Insurance.

9.3.3 Subject to the requirements of the Lenders under the Financing Agreements, any dispute or difference between the Parties as to whether the Project is no longer economically and technically viable due to a Force Majeure Event or whether that event was adequately covered in accordance with this Agreement by the Insurances shall be determined in accordance with Article 16.

9.4 Effect on liability of the Nodal Agency / Designated ISTS Customers

9.4.1 The Nodal Agency and / or the Designated ISTS Customers shall have no financial obligations or liability whatsoever towards the TSP in respect of this Article 9.

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ARTICLE: 10**10. BILLING AND PAYMENT OF TRANSMISSION CHARGES**

10.1 Subject to provisions of this Article 10, the Monthly Transmission Charges shall be paid to the TSP, in Indian Rupees, on monthly basis as per the provisions of the Sharing Regulations, from the date on which an Element(s) has achieved COD until the Expiry Date of this Agreement, unless terminated earlier and in line with the provisions of Schedule 4 of this Agreement.

10.2 Calculation of Monthly Transmission Charges:

The Monthly Transmission Charges for each Contract Year including Incentive & Penalty payment shall be calculated in accordance with the provisions of Schedule 4 of this Agreement.

10.3 Rebate & Late Payment Surcharge:

The rebate and late payment surcharge shall be governed as per Sharing Regulations.

10.4 Disputed Bills, Default in payment by the Designated ISTS Customers & Annual Reconciliation:

Any Disputed Bill, Default in payment by the Designated ISTS Customers & Annual Reconciliation shall be governed as per Sharing Regulations.

ARTICLE: 11**11. FORCE MAJEURE****11.1 Definitions**

11.1.1 The following terms shall have the meanings given hereunder.

11.2 Affected Party

11.2.1 An Affected Party means any Party whose performance has been affected by an event of Force Majeure.

11.2.2 Any event of Force Majeure shall be deemed to be an event of Force Majeure affecting the TSP only if the Force Majeure event affects and results in, late delivery of machinery and equipment for the Project or construction, completion, commissioning of the Project by Scheduled COD and/or operation thereafter;

11.3 Force Majeure

A 'force Majeure' means any event or circumstance or combination of events and circumstances including those stated below that wholly or partly prevents or unavoidably delays an Affected Party in the performance of its obligations/ roles under this Agreement, but only if and to the extent that such events or circumstances are not within the reasonable control, directly or indirectly, of the Affected Party and could not have been avoided if the Affected Party had taken reasonable care or complied with Prudent Utility Practices:

a) Natural Force Majeure Events:

- i. act of God, including, but not limited to drought, fire and explosion (to the extent originating from a source external to the Site), earthquake, volcanic eruption, landslide, flood, cyclone, typhoon, tornado, or exceptionally adverse weather conditions, which are in excess of the statistical measures for the last hundred (100) years; and
- ii. epidemic/ pandemic notified by Indian Governmental Instrumentality.

b) Non-Natural Force Majeure Events:

- i. Direct Non-Natural Force Majeure Events



- Nationalization or compulsory acquisition by any Indian Governmental Instrumentality of any material assets or rights of the Affected Party; or
- the unlawful, unreasonable or discriminatory revocation of, or refusal to renew, any Consents, Clearances and Permits required by the Affected Party to perform their obligations/ roles under the RFP Project Documents or any unlawful, unreasonable or discriminatory refusal to grant any other Consents, Clearances and Permits required for the development/ operation of the Project, provided that a Competent Court of Law declares the revocation or refusal to be unlawful, unreasonable and discriminatory and strikes the same down; or
- any other unlawful, unreasonable or discriminatory action on the part of an Indian Governmental Instrumentality which is directed against the Project, provided that a Competent Court of Law declares the action to be unlawful, unreasonable and discriminatory and strikes the same down.

ii. Indirect Non - Natural Force Majeure Events

- act of war (whether declared or undeclared), invasion, armed conflict or act of foreign enemy, blockade, embargo, revolution, riot, insurrection, terrorist or military action; or
- radio active contamination or ionising radiation originating from a source in India or resulting from any other Indirect Non Natural Force Majeure Event mentioned above, excluding circumstances where the source or cause of contamination or radiation is brought or has been brought into or near the Site by the Affected Party or those employed or engaged by the Affected Party; or
- industry-wide strikes and labour disturbances, having a nationwide impact in India.

11.4 Force Majeure Exclusions

11.4.1 Force Majeure shall not include (i) any event or circumstance which is within the

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reasonable control of the Parties and (ii) the following conditions, except to the extent that they are consequences of an event of Force Majeure:

- (a) Unavailability, late delivery, or changes in cost of the machinery, equipment, materials, spare parts etc. for the Project;
- (b) Delay in the performance of any Contractors or their agents;
- (c) Non-performance resulting from normal wear and tear typically experienced in transmission materials and equipment;
- (d) Strikes or labour disturbance at the facilities of the Affected Party;
- (e) Insufficiency of finances or funds or the Agreement becoming onerous to perform; and
- (f) Non-performance caused by, or connected with, the Affected Party's:
 - i. negligent or intentional acts, errors or omissions;
 - ii. failure to comply with an Indian Law; or
 - iii. breach of, or default under this Agreement or any Project Documents.
- (g) Any error or omission in the survey report provided by BPC during the bidding process.

11.5 Notification of Force Majeure Event

11.5.1 The Affected Party shall give notice to the other Party of any event of Force Majeure as soon as reasonably practicable, but not later than seven (7) days after the date on which such Party knew or should reasonably have known of the commencement of the event of Force Majeure. If an event of Force Majeure results in a breakdown of communications rendering it unreasonable to give notice within the applicable time limit specified herein, then the Party claiming Force Majeure shall give such notice as soon as reasonably practicable after reinstatement of communications, but not later than one (1) day after such reinstatement.

Provided that, such notice shall be a pre-condition to the Affected Party's entitlement to claim relief under this Agreement. Such notice shall include full particulars of the event of Force Majeure, its effects on the Party claiming relief and



~~the remedial measures proposed. The Affected Party shall give the other Party regular reports on the progress of those remedial measures and such other information as the other Party may reasonably request about the Force Majeure.~~

- 11.5.2 The Affected Party shall give notice to the other Party of (i) the cessation of the relevant event of Force Majeure; and (ii) the cessation of the effects of such event of Force Majeure on the performance of its rights or obligations/ roles under this Agreement, as soon as practicable after becoming aware of each of these cessations.

11.6 Duty to perform and duty to mitigate

To the extent not prevented by a Force Majeure Event, the Affected Party shall continue to perform its obligations/ roles as provided in this Agreement. The Affected Party shall use its reasonable efforts to mitigate the effect of any event of Force Majeure as soon as practicable.

11.7 Available Relief for a Force Majeure Event

Subject to this Article 11,

- (a) no Party shall be in breach of its obligations/ roles pursuant to this Agreement to the extent that the performance of its obligations/ roles was prevented, hindered or delayed due to a Force Majeure Event;
- (b) each Party shall be entitled to claim relief for a Force Majeure Event affecting its performance in relation to its obligations/ roles under Articles 3.3.4, 4.4.2 and 6.3.1 of this Agreement.
- (c) For the avoidance of doubt, it is clarified that the computation of Availability of the Element(s) under outage due to Force Majeure Event, as per Article 11.3 affecting the TSP shall be as per Appendix-II to Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2019 as on Bid Deadline. For the event(s) for which the Element(s) is/are deemed to be available as per Appendix -II to Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2019, then the Transmission Charges, as applicable to such Element(s), shall be payable as per Schedule 4, for the duration of such event(s).
- (d) For so long as the TSP is claiming relief due to any Force Majeure Event under this Agreement, the Nodal Agency may, if it so desires, from time to time on

one (1) day notice, inspect the Project and the TSP shall provide the Nodal Agency's personnel with access to the Project to carry out such inspections.

- (e) For avoidance of doubt, the TSP acknowledges that for extension of Scheduled COD a period up to one hundred eighty (180) days due to Force Majeure event, no compensation on the grounds such as interest cost, incident expenditure, opportunity cost will be made to the TSP. However, if Scheduled COD is extended beyond a period of one hundred eighty (180) days due to Force Majeure event, the TSP will be allowed to recover the interest cost during construction corresponding to the period exceeding one hundred eighty (180) days by adjustment in the Transmission Charges in accordance with Schedule 9.

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ARTICLE: 12**12. CHANGE IN LAW****12.1 Change in Law**

12.1.1 Change in Law means the occurrence of any of the following after the Bid Deadline resulting into any additional recurring / non-recurring expenditure by the TSP or any savings of the TSP:

- the enactment, coming into effect, adoption, promulgation, amendment, modification or repeal (without re-enactment or consolidation) in India, of any Law, including rules and regulations framed pursuant to such Law, subject to the provisions under Article 12.1.2;
- a change in the interpretation or application of any Law by any Indian Governmental Instrumentality having the legal power to interpret or apply such Law, or any Competent Court of Law;
- the imposition of a requirement for obtaining any Consents, Clearances and Permits which was not required earlier;
- a change in the terms and conditions prescribed for obtaining any Consents, Clearances and Permits or the inclusion of any new terms or conditions for obtaining such Consents, Clearances and Permits;
- any change in the licensing regulations of the Commission, under which the Transmission License for the Project was granted if made applicable by such Commission to the TSP;
- change in wind zone; or
- any change in tax or introduction of any tax made applicable for providing Transmission Service by the TSP as per the terms of this Agreement.

12.1.2 Notwithstanding anything contained in this Agreement, Change in Law shall not cover any change:

- a) Taxes on corporate income; and
- b) Withholding tax on income or dividends distributed to the shareholders of the TSP.

12.2 Relief for Change in Law

12.2.1 During Construction Period, the Impact of increase/decrease in the cost of the Project on the Transmission Charges shall be governed by the formula given in Schedule 9 of this Agreement

12.2.2 During the Operation Period:

During the operation period, If as a result of Change in Law, the TSP suffers or is benefited from a change in costs or revenue, the aggregate financial effect of which exceeds 0.30% (zero point three percent) of the Annual Transmission Charges in aggregate for a Contract Year, the TSP may notify so to the Nodal Agency and propose amendments to this Agreement so as to place the TSP in the same financial position as it would have enjoyed had there been no such Change in Law resulting in change in costs or revenue as aforesaid.

12.2.3 For any claims made under Articles 12.2.1 and 12.2.2 above, the TSP shall provide to the Nodal Agency documentary proof of such increase / decrease in cost of the Project / revenue for establishing the impact of such Change in Law.

In cases where Change in Law results in decrease of cost and it comes to the notice of Nodal Agency that TSP has not informed Nodal Agency about such decrease in cost, Nodal Agency may initiate appropriate claim.

12.3 Notification of Change in Law:

12.3.1 If the TSP is affected by a Change in Law in accordance with Article 12.1 and wishes to claim relief for such Change in Law under this Article 12, it shall give notice to



Nodal Agency of such Change in Law as soon as reasonably practicable after becoming aware of the same.

12.3.2 The TSP shall also be obliged to serve a notice to the Nodal Agency even when it is beneficially affected by a Change in Law.

12.3.3 Any notice served pursuant to Articles 12.3.1 and 12.3.2 shall provide, amongst other things, precise details of the Change in Law and its estimated impact on the TSP.

12.4 Payment on account of Change in Law

12.4.1 The payment for Change in Law shall be through a separate Bill. However, in case of any change in Monthly Transmission Charges by reason of Change in Law, as determined in accordance with this Agreement, the Bills to be raised by the Nodal Agency after such change in Transmission Charges shall appropriately reflect the changed Monthly Transmission Charges.



ARTICLE: 13**13. EVENTS OF DEFAULT AND TERMINATION****13.1 TSP's Event of Default**

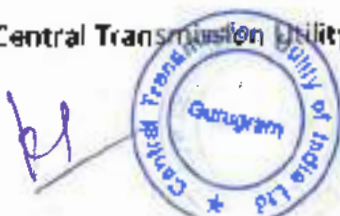
The occurrence and continuation of any of the following events shall constitute a TSP Event of Default, unless any such TSP Event of Default occurs as a result of any non-fulfilment of its obligations as prescribed under this Agreement by the Nodal Agency or a Force Majeure Event:

- a. After having taken up the construction of the Project, the abandonment by the TSP or the TSP's Contractors of the construction of the Project for a continuous period of two (2) months and such default is not rectified within thirty (30) days from the receipt of notice from the Nodal Agency in this regard;
- b. The failure to commission any Element of the Project by the date falling six (6) months after its Scheduled COD unless extended by Nodal Agency as per provisions of this Agreement;
- c. If the TSP:
 - i. assigns, mortgages or charges or purports to assign, mortgage or charge any of its assets or rights related to the Project in contravention of the provisions of this Agreement; or
 - ii. transfers or novates any of its obligations pursuant to this Agreement, in a manner contrary to the provisions of this Agreement;

Except where such transfer is in pursuance of a Law and

- ♦ It does not affect the ability of the transferee to perform, and such transferee has the financial and technical capability to perform, its obligations under this Agreement;
- is to a transferee who assumes such obligations under the Project and this Agreement remains effective with respect to the transferee;

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d. If:

- i. The TSP becomes voluntarily or involuntarily the subject of any bankruptcy or insolvency or winding up proceedings and such proceedings remain uncontested for a period of thirty (30) days; or
- ii. any winding up or bankruptcy or insolvency order is passed against the TSP; or
- iii. the TSP goes into liquidation or dissolution or a receiver or any similar officer is appointed over all or substantially all of its assets or official liquidator is appointed to manage its affairs, pursuant to Law,

Provided that a dissolution or liquidation of the TSP will not be a TSP's Event of Default, where such dissolution or liquidation of the TSP is for the purpose of a merger, consolidation or reorganization with the prior approval of the Commission as per the provisions of Central Electricity Regulatory Commission (Procedure, terms and Conditions for grant of Transmission License and other related matters) Regulations, 2006 or as amended from time to time; or

- e. Failure on the part of the TSP to comply with the provisions of Article 19.1 of this Agreement; or
- f. the TSP repudiates this Agreement and does not rectify such breach even within a period of thirty (30) days from a notice from the Nodal Agency in this regard; or
- g. after Commercial Operation Date of the Project, the TSP fails to achieve monthly Target Availability of 98% for a period of six (6) consecutive months or within a non-consecutive period of six (6) months within any continuous aggregate period of eighteen(18) months except where the Availability is affected by Force Majeure Events as per Article 11; or
- h. any of the representations and warranties made by the TSP in Article 17 of this Agreement being found to be untrue or inaccurate. Further, in addition to the above, any of the undertakings submitted by the

Selected Bidder at the time of submission of the Bid being found to be breached or inaccurate, including but not limited to undertakings from its Parent Company / Affiliates related to the minimum equity obligation; or

- i. the TSP fails to complete / fulfil all the activities / conditions within the specified period as per Article 3; or
- j. except for the reasons solely attributable to Nodal Agency, the TSP is in material breach of any of its obligations under this Agreement and such material breach is not rectified by the TSP within thirty (30) days of receipt of notice in this regard from the Nodal Agency; or
- k. the TSP fails to take the possession of the land required for location specific substations, switching stations or HVDC terminal or inverter stations and / or fails to pay the requisite price to the parties and / or any State Government authority from whom the land is acquired, within twelve (12) months from the Effective Date

13.2 Termination Procedure for TSP Event of Default

- a. Upon the occurrence and continuance of any TSP's Event of Default under Article 13.1 the Nodal Agency may serve notice on the TSP, with a copy to the CEA and the Lenders' Representative, of their intention to terminate this Agreement (a "Nodal Agency's Preliminary Termination Notice"), which shall specify in reasonable detail, the circumstances giving rise to such Nodal Agency's Preliminary Termination Notice.
- b. Following the issue of a Nodal Agency's Preliminary Termination Notice, the Consultation Period shall apply and would be for the Parties to discuss as to what steps shall be taken with a view to mitigate the consequences of the relevant Event of Default having regard to all the circumstances.
- c. During the Consultation Period, the Parties shall, save as otherwise provided in this Agreement, continue to perform their respective obligations/ roles under this Agreement, and the TSP shall not remove any material, equipment or any part of the Project, without prior consent of the Nodal Agency.

Following the expiry of the Consultation Period, unless the Parties shall have otherwise agreed to the contrary or the circumstances giving rise to

Nodal Agency's Preliminary Termination Notice shall have ceased to exist or shall have been remedied, this Agreement may be terminated by the Nodal Agency by giving a Termination Notice to the TSP, in writing, of at least seven (7) days, with a copy to CEA and the Lenders' Representative in order to enable the Lenders to exercise right of substitution in accordance with Article 15.3 of this Agreement.

Further, the Nodal Agency may also initiate proceedings to blacklist the TSP & its Affiliates from participation in any RFP issued by BPCs for a period of 5 years.

13.3 Procedure for Nodal Agency's non-fulfilment of Role

- a. Upon the Nodal Agency not being able to fulfil its role under Article 4.2, the TSP may serve notice on the Nodal Agency, with a copy to CEA and the Lenders' Representative (a "TSP's Preliminary Notice"), which notice shall specify in reasonable detail the circumstances giving rise to such non-fulfilment of role by the Nodal Agency.
- b. Following the issue of a TSP's Preliminary Notice, the Consultation Period shall apply.
- c. The Consultation Period would be for the Parties to discuss as to what steps shall be taken with a view to mitigate the consequences of the relevant non-fulfilment of role by the Nodal Agency including giving time extension to TSP, having regard to all the circumstances.
- d. During the Consultation Period, both Parties shall, save as otherwise provided in this Agreement, continue to perform their respective obligations/ roles under this Agreement.

13.4 Termination due to Force Majeure

13.4.1 In case the Parties could not reach an agreement pursuant to Articles 3.3.4 and 4.4.2 of this Agreement and the Force Majeure Event or its effects continue to be present, the Nodal Agency shall have the right to cause termination of the Agreement. In case of such termination, the Contract Performance Guarantee shall be returned to the TSP as per the provisions of Article 6.5.1.

13.4.2 In case of termination of this Agreement, the TSP shall provide to the Nodal Agency the full names and addresses of its Contractors as well as complete designs, design

drawings, manufacturing drawings, material specifications and technical information, as required by the Nodal Agency within thirty (30) days of Termination Notice.

13.5 Termination or amendment due to non-requirement of any Element or Project during construction

13.5.1 In case any Element or Project, which is under construction, is no longer required due to any reason whatsoever, the Nodal Agency may issue a notice to this effect to the TSP.

13.5.2 Nodal agency may also issue notice to the TSP seeking their response to the proposed termination/ amendment (as the case may be) of the Agreement. The Nodal Agency shall issue copy of such notice to Lenders. In the notice, Nodal Agency shall also include an assessment of the physical progress made by TSP in the Element/ Project (as the case may be) that is no longer required.

13.5.3 The TSP shall neither carry out further investment nor carry out any work on the Element/ Project (as the case may be) that is no longer required after delivery of the notice.

13.5.4 After taking into account the comments of the TSP, the Nodal Agency may terminate the Agreement or amend it if both Parties agree to the amendment.

13.6 Revocation of the Transmission License

13.6.1 The Commission may, as per the provisions of the Electricity Act, 2003, revoke the Transmission License of the ISTS Licensee. Further, in such a case, the Agreement shall be deemed to have been terminated.

13.7 Termination Payment

13.7.1 If Agreement is terminated on account of Force Majeure Events, non-requirement of any Element or Project during Construction, Nodal Agency's non-fulfilment of Role & TSP's Event of Default, the TSP shall be entitled for Termination Payment equivalent to valuation of Project Assets. Upon payment, the Nodal Agency shall take over the Project Assets.

ARTICLE: 14.**14. LIABILITY AND INDEMNIFICATION****14.1 Indemnity**

14.1.1 The TSP shall indemnify, defend and hold the Nodal Agency harmless against:

- (a) any and all third party claims, actions, suits or proceedings against the Nodal Agency for any loss of or damage to property of such third party, or death or injury to such third party, arising out of a breach by the TSP of any of its obligations under this Agreement, except to the extent that any such claim, action, suit or proceeding has arisen due to a negligent act or omission, breach of this Agreement or non-fulfilment of statutory duty on the part of Nodal Agency; and
- (b) any and all losses, damages, costs and expenses including legal costs, fines, penalties and interest actually suffered or incurred by the Nodal Agency from third party claims arising by reason of:
 - i. a breach by the TSP of any of its obligations under this Agreement, (provided that this Article 14 shall not apply to such breaches by the TSP, for which specific remedies have been provided for under this Agreement) except to the extent that any such losses, damages, costs and expenses including legal costs, fines, penalties and interest (together to constitute "Indemnifiable Losses") has arisen due to a negligent act or omission, breach of this Agreement or non-fulfilment of statutory duty on the part of the Nodal Agency, or
 - ii. any of the representations and warranties of the TSP under this Agreement being found to be inaccurate or untrue.

14.1.2 The Nodal Agency shall, in accordance with the Regulations framed by CERC in this regard, indemnify, defend and hold the TSP harmless against:

- (a) any and all third party claims, actions, suits or proceedings against the TSP, for any loss of or damage to property of such third party, or death or injury to such third party, arising out of any material breach by the Nodal Agency of any of their roles under this Agreement, except to the extent that any such

claim, action, suit or proceeding has arisen due to a negligent act or omission, breach of this Agreement or breach of statutory duty on the part of the TSP, its Contractors, servants or agents; and

(b) any and all losses, damages, costs and expenses including legal costs, fines, penalties and interest ('Indemnifiable Losses') actually suffered or incurred by the TSP from third party claims arising by reason of:

- i. any material breach by the Nodal Agency of any of its roles under this Agreement (provided that, this Article 14 shall not apply to such breaches by the Nodal Agency, for which specific remedies have been provided for under this Agreement), except to the extent that any such Indemnifiable Losses have arisen due to a negligent act or omission, breach of this Agreement or breach of statutory duty on the part of the TSP, its Contractors, servants or agents or
- ii. any of the representations and warranties of the Nodal Agency under this Agreement being found to be inaccurate or untrue.

14.2 Patent Indemnity:

14.2.1

- (a) The TSP shall, subject to the Nodal Agency's compliance with Article 14.2.1 (b), indemnify and hold harmless the Nodal Agency and its employees and officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of whatsoever nature, including attorney's fees and expenses, which the Nodal Agency may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright or other intellectual property right registered or otherwise existing at the date of the Agreement by reason of the setting up of the Project by the TSP.

Such indemnity shall not cover any use of the Project or any part thereof other than for the purpose indicated by or to be reasonably inferred from the Agreement, any infringement resulting from the misuse of the Project or any part thereof, or any products produced in association or combination with any other equipment, plant or materials not supplied by the TSP, pursuant to the Agreement.

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- (b) If any proceedings are brought or any claim is made against the Nodal Agency arising out of the matters referred to in Article 14.2.1(a), the Nodal Agency shall promptly give the TSP a notice thereof, and the TSP shall at its own expense take necessary steps and attend such proceedings or claim and any negotiations for the settlement of any such proceedings or claim. The TSP shall promptly notify the Nodal Agency of all actions taken in such proceedings or claims.
- (c) If the TSP fails to notify the Nodal Agency within twenty-eight (28) days after receipt of such notice from the Nodal Agency under Article 14.2.1(b) above, that it intends to attend any such proceedings or claim, then the Nodal Agency shall be free to attend the same on their own behalf at the cost of the TSP. Unless the TSP has so failed to notify the Nodal Agency within the twenty eight (28) days period, the Nodal Agency shall make no admission that may be prejudicial to the defence of any such proceedings or claims.
- (d) The Nodal Agency shall, at the TSP's request, afford all available assistance to the TSP in attending to such proceedings or claim, and shall be reimbursed by the TSP for all reasonable expenses incurred in so doing.

14.2.2

- (a) The Nodal Agency, in accordance with the Regulations framed by CERC in this regard, subject to the TSP's compliance with Article 14.2.2(b) shall indemnify and hold harmless the TSP and its employees, officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs and expenses of whatsoever nature, including attorney's fees and expenses, which the TSP may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright or other intellectual property right registered or otherwise existing at the date of the Agreement by reason of the setting up of the Project by the TSP.
- (b) If any proceedings are brought or any claim is made against the TSP arising out of the matters referred to in Article 14.2.2 (a) the TSP shall promptly give the Nodal Agency a notice thereof, and the Nodal Agency shall at its own expense take necessary steps and attend such proceedings or claim and any negotiations for the settlement of any such proceedings or claim. The Nodal

Agency shall promptly notify the TSP of all actions taken in such proceedings or claims.

- (c) If the Nodal Agency fails to notify the TSP within twenty-eight (28) days after receipt of such notice from the TSP under Article 14.2.2(b) above, that it intends to attend any such proceedings or claim, then the TSP shall be free to attend the same on its own behalf at the cost of the Nodal Agency. Unless the Nodal Agency has so failed to notify the TSP within the twenty (28) days period, the TSP shall make no admission that may be prejudicial to the defence of any such proceedings or claim.
- (d) The TSP shall, at the Nodal Agency request, afford all available assistance to the Nodal Agency in attending to such proceedings or claim, and shall be reimbursed by the Nodal Agency for all reasonable expenses incurred in so doing.

14.3 Monetary Limitation of liability

14.3.1 A Party ("Indemnifying Party") shall be liable to indemnify the other Party ("Indemnified Party") under this Article 14 for any indemnity claims made in a Contract Year only up to an amount of Rs. 1.82 Crore (Rupees One Crore Eighty Two Lakh Only).

14.4 Procedure for claiming indemnity

14.4.1 Where the Indemnified Party is entitled to indemnification from the Indemnifying Party pursuant to Articles 14.1 or 14.2 the Indemnified Party shall promptly notify the Indemnifying Party of such claim, proceeding, action or suit referred to in Articles 14.1 or 14.2 in respect of which it is entitled to be indemnified. Such notice shall be given as soon as reasonably practicable after the Indemnified Party becomes aware of such claim, proceeding, action or suit. The Indemnifying Party shall be liable to settle the indemnification claim within thirty (30) days of receipt of the above notice.

Provided however that, if:

- i. the Parties choose to contest, defend or litigate such claim, action, suit or proceedings in accordance with Article 14.4.3 below; and
- ii. the claim amount is not required to be paid/deposited to such third party pending the resolution of the Dispute,



the Indemnifying Party shall become liable to pay the claim amount to the Indemnified Party or to the third party, as the case may be, promptly following the resolution of the Dispute, if such Dispute is not settled in favour of the Indemnified Party.

14.4.2 The Indemnified Party may contest, defend and litigate a claim, action, suit or proceeding for which it is entitled to be indemnified under Articles 14.1 or 14.2 and the Indemnifying Party shall reimburse to the Indemnified Party all reasonable costs and expenses incurred by the Indemnified Party. However, such Indemnified Party shall not settle or compromise such claim, action, suit or proceedings without first getting the consent of the Indemnifying Party, which consent shall not be unreasonably withheld or delayed.

14.4.3 An Indemnifying Party may, at its own expense, assume control of the defence of any proceedings brought against the Indemnified Party if it acknowledges its obligation to indemnify such Indemnified Party, gives such Indemnified Party prompt notice of its intention to assume control of the defence, and employs an independent legal counsel at its own cost that is reasonably satisfactory to the Indemnified Party.

14.5 Limitation on Liability

14.5.1 Except as expressly provided in this Agreement, neither the TSP nor the Nodal Agency nor their respective officers, directors, agents, employees or Affiliates (including, officers, directors, agents or employees of such Affiliates), shall be liable or responsible to the other Party or its Affiliates including its officers, directors, agents, employees, successors, insurers or permitted assigns for incidental, indirect or consequential, punitive or exemplary damages, connected with or resulting from performance or non-performance of this Agreement, or anything done in connection herewith, including claims in the nature of lost revenues, income or profits (other than payments expressly required and properly due under this Agreement), any increased expense of, reduction in or loss of transmission capacity or equipment used therefore, irrespective of whether such claims are based upon breach of warranty, tort (including negligence, whether of the Nodal Agency, the TSP or others), strict liability, contract, breach of statutory duty, operation of law or otherwise.

14.5.2 The Nodal Agency shall have no recourse against any officer, director or shareholder

of the TSP or any Affiliate of the TSP or any of its officers, directors or shareholders for such claims excluded under this Article. The TSP shall also have no recourse against any officer, director or shareholder of the Nodal Agency, or any Affiliate of the Nodal Agency or any of its officers, directors or shareholders for such claims excluded under this Article.

14.6 Duty to Mitigate

The party entitled to the benefit of an indemnity under this Article 14 shall take all reasonable measures to mitigate any loss or damage which has occurred. If the Party fails to take such measures, the other Party's liabilities shall be correspondingly reduced.

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ARTICLE: 15**15. ASSIGNMENTS AND CHARGES****15.1 Assignments:**

15.1.1 This Agreement shall be binding upon, and inure to the benefit of the Parties and their respective successors and permitted assigns. This Agreement shall not be assigned by any Party, except as provided in Article 15.3.

15.2 Permitted Charges:

15.2.1 Neither Party shall create or permit to subsist any encumbrance over all or any of its rights and benefits under this Agreement.

15.2.2 However, the TSP may create any encumbrance over all or part of the receivables, or the Project Assets of the Project in favour of the Lenders or the Lenders' Representative on their behalf, as security for amounts payable under the Financing Agreements and any other amounts agreed by the Parties.

Provided that:

- i. the Lenders or the Lenders' Representative on their behalf shall have entered into the Financing Agreements and agreed in writing to the provisions of this Agreement; and
- ii. any encumbrance granted by the TSP in accordance with this Article 15.2.2 shall contain provisions pursuant to which the Lenders or the Lender's Representative on their behalf agrees unconditionally with the TSP to release from such encumbrances upon payment by the TSP to the Lenders of all amounts due under the Financing Agreements.

15.2.3 Article 15.2.1 does not apply to:

- a. liens arising by operation of law (or by an agreement evidencing the same) in the ordinary course of the TSP developing and operating the Project;

- b. pledges of goods, the related documents of title and / or other related documents, arising or created in the ordinary course of the TSP developing and operating the Project; or
- c. security arising out of retention of title provisions in relation to goods acquired in the ordinary course of the TSP developing and operating the Project.

15.3 Substitution Rights of the Lenders

15.3.1 The TSP would need to operate and maintain the Project under the provisions of this Agreement and cannot assign the Transmission License or transfer the Project or part thereof to any person by sale, lease, exchange or otherwise, without the prior approval of the Nodal Agency.

15.3.2 However, in the case of default by the TSP in debt repayments or in the case of default by the TSP as per Article 13 of this Agreement during the debt repayments, the Commission may, on an application from the Lenders, assign the Transmission License to the nominee of the Lenders subject to the fulfilment of the qualification requirements and provisions of the Central Electricity Regulatory Commission (Procedure, terms and Conditions for grant of Transmission License and other related matters) Regulations, 2006 and as amended from time to time.

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ARTICLE: 16**16. GOVERNING LAW AND DISPUTE RESOLUTION****16.1 Governing Law:**

This Agreement shall be governed by and construed in accordance with the Laws of India. Any legal proceedings in respect of any matters, claims or disputes under this Agreement shall be under the jurisdiction of appropriate courts in Delhi.

16.2 Amicable Settlement:

16.2.1 Either Party is entitled to raise any claim, dispute or difference of whatever nature arising under, out of or in connection with this Agreement, including its existence or validity or termination or whether during the execution of the Project or after its completion and whether prior to or after the abandonment of the Project or termination or breach of the Agreement by giving a written notice to the other Party, which shall contain:

- (i) a description of the Dispute;
- (ii) the grounds for such Dispute; and
- (iii) all written material in support of its claim.

16.2.2 The other Party shall, within thirty (30) days of issue of notice issued under Article 16.2.1, furnish:

- (i) counter-claim and defences, if any, regarding the Dispute; and
- (ii) all written material in support of its defences and counter-claim.

16.2.3 Within thirty (30) days of issue of notice by the Party pursuant to Article 16.2.1, if the other Party does not furnish any counter claim or defense under Article 16.2.2, or thirty (30) days from the date of furnishing counter claims or defence by the other Party, both the Parties to the Dispute shall meet to settle such Dispute amicably. If the Parties fail to resolve the Dispute amicably within thirty (30) days from the later of the dates mentioned in this Article 16.2.3, the Dispute shall be referred for dispute resolution in accordance with Article 16.3.

16.3 Dispute Resolution:

All Disputes shall be adjudicated by the Commission.

16.4 Parties to Perform Obligations:

Notwithstanding the existence of any Dispute and difference referred to the Commission as provided in Article 16.3 and save as the Commission may otherwise direct by a final or interim order, the Parties hereto shall continue to perform their respective obligations/ roles (which are not in dispute) under this Agreement.

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ARTICLE: 17

17. REPRESENTATION AND WARRANTIES**17.1 Representation and warranties of the Nodal Agency**

17.1.1 The Nodal Agency hereby represents and warrants to and agrees with the TSP as follows and acknowledges and confirms that the TSP is relying on such representations and warranties in connection with the transactions described in this Agreement:

- a. It has all requisite powers and authority to execute and consummate this Agreement;
- b. This Agreement is enforceable against the Nodal Agency in accordance with its terms;
- c. The consummation of the transactions contemplated by this Agreement on the part of Nodal Agency will not violate any provision of nor constitute a default under, nor give rise to a power to cancel any charter, mortgage, deed of trust or lien, lease, agreement, license, permit, evidence of indebtedness, restriction, or other contract to which the Nodal Agency is a Party or to which the Nodal Agency is bound, which violation, default or power has not been waived;

17.2 Representation and Warranties of the TSP:

17.2.1 The TSP hereby represents and warrants to and agrees with the Nodal Agency as follows and acknowledges and confirms that the Nodal Agency is relying on such representations and warranties in connection with the transactions described in this Agreement:

- a. It has all requisite powers and has been duly authorized to execute and consummate this Agreement;
- b. This Agreement is enforceable against it, in accordance with its terms;
- c. The consummation of the transactions contemplated by this Agreement on the part of the TSP will not violate any provision of nor constitute a default under, nor give rise to a power to cancel any charter, mortgage, deed of

trust or lien, lease, agreement, license, permit, evidence of indebtedness, restriction, or other contract to which the TSP is a Party or to which the TSP is bound which violation, default or power has not been waived;

- d. The TSP is not insolvent and no insolvency proceedings have been instituted, nor threatened or pending by or against the TSP;
- e. There are no actions, suits, claims, proceedings or investigations pending or, to the best of the TSP's knowledge, threatened in writing against the TSP at law, in equity, or otherwise, and whether civil or criminal in nature, before or by, any court, commission, arbitrator or governmental agency or authority, and there are no outstanding judgments, decrees or orders of any such courts, commission, arbitrator or governmental agencies or authorities, which materially adversely affect its ability to execute the Project or to comply with its obligations under this Agreement.

17.2.2 The TSP makes all the representations and warranties above to be valid as on the Effective Date of this Agreement.

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ARTICLE: 18**18. INDEPENDENT ENGINEER****18.1 Appointment of Independent Engineer**

The Nodal Agency shall appoint an agency/ company as Independent Engineer as per framework provided in the Guidelines for Encouraging Competition in Development of Transmission Projects for selection of Independent Engineer.

18.2 Roles and functions of Independent Engineer

The role and functions of the Independent Engineer shall include the following:

- a. Progress Monitoring as required under this Agreement;
- b. Ensuring Quality as required under this Agreement;
- c. determining, as required under the Agreement, the costs of any works or services and/or their reasonableness during construction phase;
- d. determining, as required under the Agreement, the period or any extension thereof, for performing any duty or obligation during construction phase;
- e. determining, as required under the Agreement, the valuation of the Project Assets.
- f. Assisting the Parties in resolution of Disputes and
- g. Undertaking all other duties and functions in accordance with the Agreement.

18.3 Remuneration of Independent Engineer

The fee and charges of the Independent Engineer shall be paid by the Nodal Agency as per terms & conditions of appointment.

18.4 Termination of appointment

18.4.1 The Nodal Agency may, in its discretion, terminate the appointment of the Independent Engineer at any time, but only after appointment of another Independent Engineer.

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18.4.2 If the TSP has reason to believe that the Independent Engineer is not discharging its duties and functions in a fair, efficient and diligent manner, it may make a written representation to the Nodal Agency and seek termination of the appointment of the Independent Engineer. Upon receipt of such representation, the Nodal Agency shall hold a tripartite meeting with the TSP and Independent Engineer for an amicable resolution, and the decision of Nodal agency is final. In the event that the appointment of the Independent Engineer is terminated hereunder, the Nodal Agency shall appoint forthwith another Independent Engineer.

18.5 Authorised signatories

The Nodal Agency shall require the Independent Engineer to designate and notify to the Nodal Agency up to 2 (two) persons employed in its firm to sign for and on behalf of the Independent Engineer, and any communication or document required to be signed by the Independent Engineer shall be valid and effective only if signed by any of the designated persons; provided that the Independent Engineer may, by notice in writing, substitute any of the designated persons by any of its employees.

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ARTICLE: 19**19. MISCELLANEOUS PROVISIONS****19.1 Equity Lock-in Commitment:**

19.1.1 The aggregate equity share holding of the Selected Bidder in the issued and paid up equity share capital of Neemrana II Kotputli Transmission Limited shall not be less than Fifty one percent (51%) up to a period of one (1) year after COD of the Project.

Provided that, in case the Lead Member or Bidding Company is holding equity through Affiliate/s, Ultimate Parent Company or Parent Company, such restriction as specified above shall apply to such entities.

Provided further, that in case the Selected Bidder is a Bidding Consortium, the Lead Member shall continue to hold equity of at least twenty six percent (26%) upto a period of one (1) year after COD of the Project and any Member of such Bidding Consortium shall be allowed to divest its equity as long as the other remaining Members (which shall always include the Lead Member) hold the minimum equity specified above.

19.1.2 If equity is held by the Affiliates, Parent Company or Ultimate Parent Company of the Selected Bidder, then, subject to the second proviso to Article 19.1.1, such Affiliate, Parent Company or Ultimate Parent Company shall be eligible to transfer its shareholding in Neemrana II Kotputli Transmission Limited to another Affiliate or to the Parent Company / Ultimate Parent Company of the Selected Bidder. If any such shareholding entity, qualifying as an Affiliate / Parent Company / Ultimate Parent Company, is likely to cease to meet the criteria to qualify as an Affiliate / Parent Company / Ultimate Parent Company, the shares held by such entity shall be transferred to another Affiliate / Parent Company / Ultimate Parent Company of the Selected Bidder.

19.1.3 Subject to Article 19.1.1, all transfer(s) of shareholding of Neemrana II Kotputli Transmission Limited by any of the entities referred to in Article 19.1.1 and 19.1.2 above, shall be after prior written intimation to the Nodal Agency.

19.1.4 For computation of effective Equity holding, the Equity holding of the Selected Bidder or its Ultimate Parent Company in such Affiliate(s) or Parent Company



and the equity holding of such Affiliate(s) or Ultimate Parent Company in Neemrana II Kotputli Transmission Limited shall be computed in accordance with the example given below:

If the Parent Company or the Ultimate Parent Company of the Selected Bidder A directly holds thirty percent (30%) of the equity in Neemrana II Kotputli Transmission Limited, then holding of Selected Bidder A in Neemrana II Kotputli Transmission Limited shall be thirty percent (30%);

If Selected Bidder A holds thirty percent (30%) equity of the Affiliate and the Affiliate holds fifty percent (50%) equity in Neemrana II Kotputli Transmission Limited, then, for the purposes of ascertaining the minimum equity/equity lock-in requirements specified above, the effective holding of Bidder A in Neemrana II Kotputli Transmission Limited shall be fifteen percent (15%), (i.e., 30% x 50%)

19.1.5 The provisions as contained in this Article 19.1 shall override the terms of the consortium agreement submitted as part of the Bid.

19.1.6 The TSP shall be responsible to report to Nodal Agency, within thirty (30) days from the occurrence of any event that would result in any change in its equity holding structure from that which existed as on the date of signing of the Share Purchase Agreement. In such cases, the Nodal Agency would reserve the right to ascertain the equity holding structure and to call for all such required documents / information / clarifications as may be required.

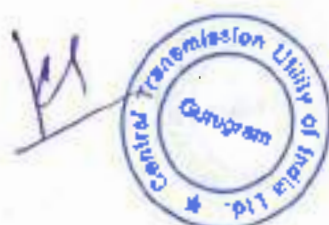
19.2 Commitment of maintaining Qualification Requirement

19.2.1 The Selected Bidder will be required to continue to maintain compliance with the Qualification Requirements, as stipulated in RFP Document, till the COD of the Project. Where the Technically Evaluated Entity and/or the Financially Evaluated Entity is not the Bidding Company or a Member in a Bidding Consortium, as the case may be, the Bidding Company or Member shall continue to be an Affiliate of the Technically Evaluated Entity and/or Financially Evaluated Entity till the COD of the Project.

19.2.2 Failure to comply with the aforesaid provisions shall be dealt in the same manner as TSP's Event of Default as under Article 13 of this Agreement.

19.3 Language:

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19.3.1 All agreements, correspondence and communications between the Parties relating to this Agreement and all other documentation to be prepared and supplied under the Agreement shall be written in English, and the Agreement shall be construed and interpreted in accordance with English language.

19.3.2 If any of the agreements, correspondence, communications or documents are prepared in any language other than English, the English translation of such agreements, correspondence, communications or documents shall prevail in matters of interpretation.

19.4 Affirmation

The TSP and the Nodal Agency, each affirm that:

1. neither it nor its respective directors, employees, or agents has paid or undertaken to pay or shall in the future pay any unlawful commission, bribe, pay-off or kick-back; and
2. it has not in any other manner paid any sums, whether in Indian currency or foreign currency and whether in India or abroad to the other Party to procure this Agreement, and the TSP and the Nodal Agency hereby undertake not to engage in any similar acts during the Term of Agreement.

19.5 Severability

The invalidity or enforceability, for any reason, of any part of this Agreement shall not prejudice or affect the validity or enforceability of the remainder of this Agreement, unless the part held invalid or unenforceable is fundamental to this Agreement.

19.6 Counterparts

This Agreement may be executed in one or more counterparts, each of which shall be deemed an original and all of which collectively shall be deemed one and the same Agreement.

19.7 Breach of Obligations/ Roles

The Parties acknowledge that a breach of any of the obligations/ roles contained herein would result in injuries. The Parties further acknowledge that the amount of the liquidated damages or the method of calculating the liquidated damages



specified in this Agreement is a genuine and reasonable pre-estimate of the damages that may be suffered by the non-defaulting Party in each case specified under this Agreement.

19.8 Restriction of Shareholders / Owners Liability

19.8.1 Parties expressly agree and acknowledge that none of the shareholders of the Parties hereto shall be liable to the other Parties for any of the contractual obligations of the concerned Party under this Agreement.

19.8.2 Further, the financial liabilities of the shareholder(s) of each Party to this Agreement shall be restricted to the extent provided in the Indian Companies Act, 1956 / Companies Act, 2013 (as the case may be).

19.9 Taxes and Duties:

19.9.1 The TSP shall bear and promptly pay all statutory taxes, duties, levies and cess, assessed/levied on the TSP, its Contractors or their employees that are required to be paid by the TSP as per the Law in relation to the execution of the Project and for providing Transmission Service as per the terms of this Agreement.

19.9.2 The Nodal Agency shall be indemnified and held harmless by the TSP against any claims that may be made against the Nodal Agency in relation to the matters set out in Article 19.9.1.

19.9.3 The Nodal Agency shall not be liable for any payment of, taxes, duties, levies, cess whatsoever for discharging any obligation of the TSP by the Nodal Agency on behalf of TSP or its personnel, provided the TSP has consented in writing to the Nodal Agency for such work, for which consent shall not be unreasonably withheld.

19.10 No Consequential or Indirect Losses

The liability of the TSP shall be limited to that explicitly provided in this Agreement.

Provided that, notwithstanding anything contained in this Agreement, under no event shall the Nodal Agency or the TSP claim from one another any indirect or consequential losses or damages.

19.11 Discretion:

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Except where this Agreement expressly requires a Party to act fairly or reasonably, a Party may exercise any discretion given to it under this Agreement in any way it deems fit.

19.12 Confidentiality

19.12.1 The Parties undertake to hold in confidence this Agreement and RFP Project Documents and not to disclose the terms and conditions of the transaction contemplated hereby to third parties, except:

- (a) to their professional advisors;
 - (b) to their officers, contractors, employees, agents or representatives, financiers, who need to have access to such information for the proper performance of their activities; or
 - (c) disclosures required under Law,
- without the prior written consent of the other Parties.

Provided that, the TSP agrees and acknowledges that the Nodal Agency, may, at any time, disclose the terms and conditions of the Agreement and the RFP Project Documents to any person, to the extent stipulated under the Law and the Competitive Bidding Guidelines.

19.13 Order of priority in application:

Save as provided in Article 2.5, in case of inconsistencies between the terms and conditions stipulated in Transmission License Issued by the Commission to the TSP, agreement(s) executed between the Parties, applicable Law including rules and regulations framed thereunder, the order of priority as between them shall be the order in which they are placed below:

- terms and conditions of Transmission License;
- applicable Law, rules and regulations framed thereunder;
- this Agreement;
- Agreement(s), if any, under Sharing Regulations.

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19.14 Independent Entity:

- 19.14.1** The TSP shall be an independent entity performing its obligations pursuant to the Agreement.
- 19.14.2** Subject to the provisions of the Agreement, the TSP shall be solely responsible for the manner in which its obligations under this Agreement are to be performed. All employees and representatives of the TSP or Contractors engaged by the TSP in connection with the performance of the Agreement shall be under the complete control of the TSP and shall not be deemed to be employees, representatives, Contractors of the Nodal Agency and nothing contained in the Agreement or in any agreement or contract awarded by the TSP shall be construed to create any contractual relationship between any such employees, representatives or Contractors and the Nodal Agency.

19.15 Amendments:

- 19.15.1** This Agreement may only be amended or supplemented by a written agreement between the Parties.

19.16 Waiver:

- 19.16.1** No waiver by either Party of any default or breach by the other Party in the performance of any of the provisions of this Agreement shall be effective unless in writing duly executed by an authorised representative of such Party.
- 19.16.2** Neither the failure by either Party to insist on any occasion upon the performance of the terms, conditions and provisions of this Agreement nor time or other indulgence granted by one Party to the other Parties shall act as a waiver of such breach or acceptance of any variation or the relinquishment of any such right or any other right under this Agreement, which shall remain in full force and effect.

19.17 Relationship of the Parties:

This Agreement shall not be interpreted or construed to create an association, joint venture, or partnership or agency or any such other relationship between the Parties or to impose any partnership obligation or liability upon either Party and neither Party shall have any right, power or



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authority to enter into any agreement or undertaking for, or act on behalf of, or to act as or be an agent or representative of, or to otherwise bind, the other Party.

19.18 Entirety:

19.18.1 This Agreement along with its sections, schedules and appendices is intended by the Parties as the final expression of their agreement and is intended also as a complete and exclusive statement of the terms of their agreement.

19.18.2 Except as provided in this Agreement, all prior written or oral understandings, offers or other communications of every kind pertaining to this Agreement or the provision of Transmission Service under this Agreement to the Nodal Agency by the TSP shall stand superseded and abrogated.

19.19 Notices:

19.19.1 All notices or other communications which are required to be given under this Agreement shall be in writing and in the English language

19.19.2 If to the TSP, all notices or communications must be delivered personally or by registered post or facsimile or any other mode duly acknowledged to the addressee below:

Address : DLF Cyber Park, Block-B, 9th Floor, Udyog
Vihar, Sector-20, Gurugram - 122008
Attention : Mr. Balaji Sivan
Email : Balaji.Sivan@sterlite.com
Fax. No. :
Telephone No. : 8527544855

19.19.3 If to the Nodal Agency, all notices or communications must be delivered personally or by registered post or facsimile or any other mode duly acknowledged to the addresses below:

(i) Central Transmission Utility of India Limited (Nodal Agency)

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Address : Plot No.2, Sector – 29, Gurugram, Haryana-
: 122001, India
Attention : Mr. Vikram Singh Bhal, ED
Email : vsbhal@powergrid.in
Fax. No. : -
Telephone No. : 9910378068

19.19.4 All notices or communications given by facsimile shall be confirmed by sending a copy of the same via post office in an envelope properly addressed to the appropriate Party for delivery by registered mail. All notices shall be deemed validly delivered upon receipt evidenced by an acknowledgement of the recipient, unless the Party delivering the notice can prove in case of delivery through the registered post that the recipient refused to acknowledge the receipt of the notice despite efforts of the postal authorities.

19.19.5 Any Party may by notice of at least fifteen (15) days to the other Party change the address and/or addresses to which such notices and communications to it are to be delivered or mailed.

19.20 Fraudulent and Corrupt Practices

19.20.1 The TSP and its respective officers, employees, agents and advisers shall observe the highest standard of ethics during the subsistence of this Agreement. Notwithstanding anything to the contrary contained in the Agreement, the Nodal Agency may terminate the Agreement without being liable in any manner whatsoever to the TSP, if it determines that the TSP has, directly or indirectly or through an agent, engaged in corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice in the Bid process. In such an event, the Nodal Agency shall forfeit the Contract Performance Guarantee of the TSP, without prejudice to any other right or remedy that may be available to the Nodal Agency hereunder or subsistence otherwise.

19.20.2 Without prejudice to the rights of the Nodal Agency under Clause 19.20.1 hereinabove and the rights and remedies which the Nodal Agency may have under this Agreement, if a TSP is found by the Nodal Agency to have directly or indirectly or through an agent, engaged or indulged in any corrupt

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practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice during the Bid process, or after the issue of Letter of Intent (hereinafter referred to as Lol) or after the execution of the agreement(s) required under Sharing Regulations, the Nodal Agency may terminate the Agreement without being liable in any manner whatsoever to the TSP. Further, the TSP & its Affiliates shall not be eligible to participate in any tender or RFP issued by any BPC for an indefinite period from the date such TSP is found by the Nodal Agency to have directly or indirectly or through an agent, engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practices, as the case may be.

19.20.3 For the purposes of this Clause 19.20, the following terms shall have the meaning hereinafter respectively assigned to them:

(a) "corrupt practice" means (i) the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the actions of any person connected with the Bid process (for avoidance of doubt, offering of employment to or employing or engaging in any manner whatsoever, directly or indirectly, any official of the BPC who is or has been associated or dealt in any manner, directly or indirectly with the Bid process or the Lol or has dealt with matters concerning the RFP Project Documents or arising there from, before or after the execution thereof, at any time prior to the expiry of one year from the date such official resigns or retires from or otherwise ceases to be in the service of the BPC, shall be deemed to constitute influencing the actions of a person connected with the Bid Process); or (ii) engaging in any manner whatsoever, whether during the Bid Process or after the issue of the Lol or after the execution of the RFP Project Documents, as the case may be, any person in respect of any matter relating to the Project or the Lol or the RFP Project Documents, who at any time has been or is a legal, financial or technical adviser of the BPC in relation to any matter concerning the Project;

(b) "fraudulent practice" means a misrepresentation or omission of facts or suppression of facts or disclosure of incomplete facts, in order to influence the Bid process;

(c) "coercive practice" means impairing or harming, or threatening to impair or harm, directly or indirectly, any person or property to influence any person's participation or action in the Bid process;



(d) "undesirable practice" means (i) establishing contact with any person connected with or employed or engaged by the SPC with the objective of canvassing, lobbying or in any manner influencing or attempting to influence the Bid process; or (ii) having a Conflict of Interest; and

(e) "restrictive practice" means forming a cartel or arriving at any understanding or arrangement among Bidders with the objective of restricting or manipulating a full and fair competition in the Bid process;

19.21 Compliance with Law:

Despite anything contained in this Agreement but without prejudice to Article 12, if any provision of this Agreement shall be in deviation or inconsistent with or repugnant to the provisions contained in the Electricity Act, 2003, or any rules and regulations made there under, such provision shall be deemed to be amended to the extent required to bring it into compliance with the aforesaid relevant provisions as amended from time to time.

IN WITNESS WHEREOF, THE PARTIES HAVE CAUSED THIS AGREEMENT TO BE EXECUTED BY THEIR DULY AUTHORISED REPRESENTATIVES AS OF THE DATE AND PLACE SET FORTH ABOVE.

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Transmission Service Agreement

1.

For and on behalf of TSP



Mr. Balaji Sivan
Authorized Signatory
DLF Cyber Park, Block B, 9th Floor
Sector-20, Gurgaon - 122008

[Signature, Name, Designation and Address]

2.

For and on behalf of Central Transmission Utility of India Limited (Nodal Agency)

Mr. Kamal Kumar Jain
GM, CTUIL

[Signature, Name, Designation and Address]



WITNESSES:

1. For and on behalf of
: BPC

(AM) 22/02/23

[Signature]

[Insert, Name, Designation and Address of the Witness]

2. For and on behalf of
: Nodal Agency

[Signature]

Deepak Krishnan, manager (CTUIL)

[Insert Name, Designation and Address of the Witness]

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SCHEDULES

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Schedule: 1

Project Description and Scope of Project

a. Description of the Transmission Scheme

Renewable Energy Zones (REZs) were identified by MHRE/SECI with a total capacity of 181.5 GW for likely benefits by the year 2030 in eight states. This includes 75 GW REZ potential in Rajasthan comprising of 15 GW Wind and 60 GW Solar. In this regard, a Comprehensive transmission scheme for evacuation of 75GW RE potential from Rajasthan is already evolved, which includes transmission scheme for total evacuation requirement of 7.7GW from Bikaner Complex (Bikaner-II: 3.7 GW, Bikaner-III : 4 GW).

As part of comprehensive system, 765/400/220kV Bikaner -III & 765/400kV Neemrana-II Substations are to be established along with interconnections of Bikaner-III PS with Bikaner(PG)/ Bikaner-II PS through 400kV lines. For further dispersal of power from Bikaner-III PS, 765kV high capacity corridor i.e. Bikaner-III-Neemrana-II - Bareilly (PG) as well as 400kV interconnections with Gurgaon (PG), Sohna Road and Kotputli is also being implemented.

The subject transmission scheme involves establishment of 765/400 kV Neemrana-II Substation and implementation of Neemrana-II- Kotputli 400 kV D/c (Quad) line. Further, scheme also comprises LILU of both ckts of 400 kV Gurgaon (PG) - Sohna Road (GPTL) D/c (Quad) line at Neemrana-II S/s.

Above transmission system was agreed in the 8th CMETS-NR meeting held on 30.06.22, 56th NRPC meeting held on 29.07.22 and 9th National Committee on Transmission (NCT) held on 28.09.22. Subsequently, Ministry of Power, Government of India, vide its Gazette Notification no. CG-DL-E-14012023-241990 dated 13.01.2023 declared establishment of Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): Part B through tariff based competitive bidding process route as part of "Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex)".



b. Detailed Scope of Work

Sl. No.	Name of Transmission Element	Scheduled COD in months from Effective Date
1.	<p>Establishment of 765/400 kV, 4x1500 MVA (along with one spare unit of 500 MVA) Neemrana-II S/s along with 2x330 MVar (765 kV) Bus Reactor (along with one spare unit of 110 MVar) & 2x125 MVar (420kV) Bus Reactor at a suitable location near Neemrana</p> <ul style="list-style-type: none"> 765/400 kV 1500 MVA ICTs - 4 nos. (13x500 MVA including one spare unit) 330 MVar Bus Reactor-2 nos. (7x110 MVar, including one spare unit) 765 kV reactor bays- 2 nos. 125 MVar, 420kV bus reactor - 2 nos. 420 kV reactor bays - 2 nos. 765 kV ICT bays - 4 nos. 400 kV ICT bays - 4 nos. 400 kV line bays - 6 nos. (4 nos. for LILO of Gurgaon -Sohna Road D/c line & 2 nos. for Kotputli D/c line) <p>Future provisions: Space for</p> <ul style="list-style-type: none"> 765/400kV ICT along with bays- 2 nos. 765 kV line bays along with switchable line reactors - 12 nos. 765 kV Bus Reactor along with bay: 1 no. 400 kV line bays along with switchable line reactor - 6 no. 400 kV Bus Reactor along with bay: 1 no. 400kV Sectionalization bays: 2 sets 	24 Months
2.	Neemrana-II -Kotputli 400 kV D/c line (Quad)	
3.	<p>2 no. of 400 kV line bays at Kotputli</p> <ul style="list-style-type: none"> 400 kV line bays at Kotputli - 2 nos. 	
4.	LILO of both ckts of 400 kV Gurgaon (PG) - Sohnna Road (GPTL) D/c line (Quad) at Neemrana-II S/s	

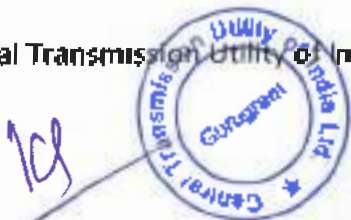
Note:

- (i) Provision of suitable sectionalization shall be kept at Neemrana-II S/s at 400kV level to limit short circuit level.



(ii) POWERGRID to provide space for 2 nos. of 400 kV line bays at Kotputli S/s.

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SPECIFIC TECHNICAL REQUIREMENTS FOR TRANSMISSION SYSTEM**SPECIFIC TECHNICAL REQUIREMENTS FOR TRANSMISSION LINE**

- A.1.0 The design, routing and construction of transmission lines shall be in accordance with Chapter V, Part A of CEA (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations 2022 as amended from time to time. Other CEA Regulations and MoP guidelines, as applicable, shall also be followed.
- A.2.0 Selection of tower type shall be made as per CEA Regulations, however in case lattice type towers are used, the following shall also be applicable:
- A.2.1 Steel section of grade E 250 and/or grade E 350 as per IS 2062, only are permitted for use in towers, extensions, gantry structures and stub setting templates. For towers in snowbound areas, steel sections shall conform to Grade-C of IS-2062.
- A.2.2 Towers shall be designed as per IS-802:2015, however the drag coefficient of the tower shall be as follows: -

Solidity Ratio	Drag Coefficient
Upto 0.05	3.6
0.1	3.4
0.2	2.9
0.3	2.5
0.4	2.2
0.5 and above	2.0

- A.3.0 Transmission Service Provider (TSP) shall adopt any additional loading/design criteria for ensuring reliability of the line, if so desired and /or deemed necessary.
- A.4.0 Transmission line shall be designed considering wind zones as specified in wind map given in National Building Code 2016, Vol.1. The developer shall also make his own assessment of local wind conditions and frequent occurrences of high intensity winds (HIW) due to thunderstorms, dust-storms, downburst etc. along the line route and wherever required, higher wind zone than that given in wind map shall be considered for tower design for ensuring reliability of line. Further, for transmission line sections passing within a distance of 50 km from the boundary of two wind zones, higher of the two wind zones shall be considered for design of towers located in such sections.



~~A.5.0 Selection of reliability level for design of tower shall be as per CEA Regulation (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulation's 2022 as amended from time to time.~~

A.6.0 A) For power line crossing of 400 kV or above voltage level (If crossed over the existing line) large angle & dead end towers (i.e. D/DD/QD) shall be used on either side of power line crossing.

B) For power line crossing of 132kV and 220kV (or 230kV) voltage level, angle towers(B/C/D/DB/DC/DD/QB/QC/QD) shall be used on either side of power line crossing depending upon the merit of the prevailing site condition and line deviation requirement.

C) For power line crossing of 66 kV and below voltage level, suspension/tension towers shall be provided on either side of power line crossing depending upon the merit of the prevailing site condition and line deviation requirement.

D) For crossing of railways, national highways and state highways, rules/regulations of appropriate authorities shall be followed.

A.7.0 The relevant conductor configuration shall be as follows: -

Type of conductor: ACSR / AAAC / AL59

Basic parameters:

Transmission line	ACSR Conductor specified	Equivalent AAAC conductor based on 53% conductivity of Al Alloy	Equivalent minimum size of AL59 conductor based on 59% conductivity of Al Alloy*	Sub-conductor Spacing
400kV D/C (Quad Moose) transmission lines	Moose: Stranding 54/3.53mm-Al + 7/3.53 mm-Steel, 31.77 mm diameter 528.5 sq. mm, Aluminium area, Maximum DC Resistance at	Stranding details: 61/3.55mm 31.95mm diameter; 604 sq. mm Aluminium alloy area Maximum DC Resistance at	Stranding details: 61/3.31 mm 29.79 mm diameter; 525 sq. mm Aluminium alloy area Maximum DC Resistance at	457 mm

Transmission line	ACSR Conductor specified	Equivalent AAAC conductor based on 53% conductivity of Al Alloy	Equivalent minimum size of AL59 conductor based on 59% conductivity of AL Alloy ^a	Sub-conductor spacing
	20°C (Ω/km): 0.05552 Minimum UTS: 161.20 kN	20°C (Ω/km): 0.05506 Minimum UTS: 159.80 kN	20°C (Ω/km): 0.0566 Minimum UTS: 124.70 kN	

Note:

1. **To Select any size above the minimum, the sizes mentioned in the Indian standard i.e IS-398(part-6) should be followed.*
2. *The transmission lines shall have to be designed for a maximum operating conductor temperature of 85 deg C.*

A.8.0 The required phase to phase spacing and horizontal spacing for 400kV line shall be governed by the tower design as well as minimum live metal clearances for 400kV voltage level under different insulator swing angles. However, the phase to phase spacing for 400kV lines shall not be less than 8m.

A.9.0 All electrical clearances including minimum live metal clearance, ground clearance and minimum mid span separation between earth wire and conductor shall be as per Central Electricity Authority (Measures Relating to Safety & Electric Supply) Regulations as amended from time to time and IS: 5613.

Minimum live metal clearances for 400 kV line:

a) (i) Under stationary conditions:

From tower body: 3.05m

(ii) Under Swing conditions

Wind Pressure Condition	Minimum Electrical Clearance
a) Swing angle (22°)	3.05 m
b) Swing angle (44°)	1.86 m

b) Minimum ground clearance: 8.84 m

c) Minimum mid span separation between earthwire and conductor: 9.0 m



- ~~A.10.0 Shielding angle shall not exceed 20 degree for 400kV transmission line.~~
- A.11.0 The Fault current for design of line shall be 63kA for 1 second for 400kV.
- A.12.0 In case of 400kV voltage class lines, at least one out of two earth wires shall be OPGW and second earth wire, if not OPGW, shall be either of galvanized standard steel (GSS) or AACSR or any other suitable conductor type depending upon span length and other technical consideration.
- A.13.0 Each tower shall be earthed such that tower footing impedance does not exceed 10 ohms. Pipe type or Counterpoise type earthing shall be provided in accordance with relevant IS. Additional earthing shall be provided on every 7 to 8 km distance at tension tower for direct earthing of both shield wires. If site condition demands, multiple earthing or use of earthing enhancement compound shall be used.
- A.14.0 Pile type foundation shall be used for towers located in river or creek bed or on bank of river having scourable strata or in areas where river flow or change in river course is anticipated, based on detailed soil investigation and previous years' maximum flood discharge of the river, maximum velocity of water, highest flood level, scour depth & anticipated change in course of river based on river morphology data of at least past 20 years to ensure availability and reliability of the transmission line.
- A.15.0 Transmission line route shall be finalized, in consultation with appropriate authorities so as to avoid the habitat zones of endangered species and other protected species. Bird diverters, wherever required, shall be provided on the line.
- A.16.0
- A.17.0 The raised chimney foundation is to be provided in areas prone to flooding/water stagnation like paddy field /agricultural field & undulated areas to avoid direct contact of water with steel part of tower. The top of the chimney of foundation should be at least above HFL (High Flood Level) or the historical water stagnation/ logging level (based on locally available data) or above High Tide Level or 500 mm above Natural Ground level (whichever is higher).
- A.18.0 Routing of transmission line through protected areas of India shall be avoided to the extent possible. In case, it is not possible to avoid protected areas, the towers of the transmission line upto 400 kV level which are installed in protected areas shall be designed for Multicircuit (4 circuits) configuration of same voltage level considering reliability level of at least two (2). The top two circuits of these multi-circuit towers shall be used for stringing of the transmission line under present scope and the bottom two circuits shall be made available for stringing of any future transmission line of any transmission service providers/ State transmission utilities/Central transmission

utilities passing through the same protected area. Further, the configuration and coordinates of such transmission towers shall be submitted to CEA, CTU & BPC by the TSP.

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SPECIFIC TECHNICAL REQUIREMENTS FOR SUBSTATION

The proposed 765/400kV substation near Neemrana-II shall be conventional AIS type generally conforming to the requirements of CEA (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations as amended from time to time.

Extension of 400kV Kotputli substation shall be conventional AIS type generally conforming to the requirements of CEA (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations as amended from time to time.

All other CEA Regulations/guidelines as amended upto date and MoP guidelines shall also be followed.

B.1.0 Salient features of Substation Equipment and Facilities

The design and specification of substation equipment are to be governed by the following factors:

B.1.1 Insulation Coordination

The system design parameters for substations/switchyards shall be as given below:

Sl No.	Description of parameters	765/400kV Neemrana-II s/s		Extn. of 400kV Kotputli S/s
		765 kV System	400 kV System	400 kV System
1.	System operating voltage	765kV	400kV	400kV
2.	Maximum voltage of the system (rms)	800kV	420kV	420kV
3.	Rated frequency	50Hz	50Hz	50Hz
4.	No. of phase	3	3	3
5.	Rated Insulation levels			
i)	Impulse withstand voltage for (1.2/50 micro sec.)			
	- for Equipment other than Transformer and Reactors	2100kVp	1425kVp	1425kVp
	- for Insulator String	2100kVp	1550kVp	1550kVp

Sl No.	Description of parameters	765/400kV Neemrana-II s/s		Extn. of 400kV Kotputli S/s
		765 kV System	400 kV System	400 kV System
ii)	Switching impulse withstand voltage (250/2500 micro sec.) dry and wet	1550kVp	1050kVp	1050kVp
iii)	One-minute power frequency dry withstand voltage (rms)	830kV	630kV	630kV
6.	Corona extinction voltage	508 kV	320kV	320kV
7.	Max. radio interference voltage for frequency between 0.5 MHz and 2 MHz	2500 micro-volts at 508 kV rms	1000 micro-volts at 266kV rms	1000 micro-volts at 266kV rms
8.	Minimum creepage distance for insulator string/ longrod insulators/ outdoor bushings	24800 mm (31mm/kV)	13020 mm (31mm/kV)	13020 mm (31mm/kV)
9.	Minimum creepage distance for switchyard equipment	20000 (25mm/kV)	10500mm (25mm/kV)	10500mm (25mm/kV)
10.	Max. fault current	50 kA	63 kA	63 kA
11.	Duration of fault	1 sec	1 Sec	1 Sec

9.1.2 Switching Scheme

The switching schemes, as mentioned below, shall be adopted at various voltage levels of substation/switchyard:

Substation	765kV side	400kV side
765/400kV Neemrana-II s/s	One & Half breaker	One & Half breaker
Extn. of 400kV Kotputli S/s	----	One & Half breaker

Notes: -

- i) At 400kV voltage level, any double circuit line consisting of two numbers feeders and originating from a transmission or generating switchyard shall not be terminated in one diameter.



- ii) Two transformers of same HV rating shall not be connected in the same diameter and similarly, two bus reactors of same HV rating shall also not be connected in the same diameter.
- iii) Extn. of 400kV Kotputli s/s: 400kV Neemrana-II D/c line shall be terminated in 02 nos. of new half diameter (consisting of Main and associated Tie bays) at Kotputli s/s. Single Line diagram indicating the same is attached with the RfP shall be referred.
- iv) 765kV Bay configuration (one and half breaker scheme) at Neemrana-II s/s shall consist of 06 nos. of half diameter (consisting of Main and associated Tie bays) for termination of ICT/Bus Reactor such that upcoming feeders from Bikaner-III (4 nos. with switchable line reactors), Bareilly (2 nos. with switchable line reactors) shall be terminated in the existing half diameter by the respective TSP with installation of circuit breaker and associated equipment in each diameter.
- v) A diameter in one and half breaker scheme is a set of 3 circuit breakers with associated isolators, earth switches, current transformers etc. for controlling of 2 numbers feeders.

B.2.0 Substation

Equipment and facilities (Voltage level as applicable):

The switchgear shall be designed and specified to withstand operating conditions and duty requirements. All equipment shall be designed considering the following minimum capacity.

Sl. No.	Description of bay	Current Rating		
		765/400kV Neemrana-II s/s		Extn. of 400kV Kotputli S/s
		765kV	400kV	400kV
1.	Bus Bar	4000 A	4000 A	Quad ACSR Bersimis
2.	Line bay	3150 A	3150 A	3150 A
3.	ICT bay	3150 A	3150 A	3150 A
4.	Bus Reactor bay	3150 A	3150 A	3150 A

B.2.1 $(765/\sqrt{3})/(400/\sqrt{3})/33$ kV, Single Phase Autotransformer

500 MVA, $(765/\sqrt{3})/(400/\sqrt{3})/33$ kV, 1-phase Transformer (including arrangement for 3-phase bank formation of 1500 MVA) shall conform to CEA's "Standard Specifications and Technical Parameters for Transformers and Reactors (66 kV and above)" as amended up to date, available on CEA website.

Spare 1-phase Transformer unit shall be placed and connected in such a way that spare unit can be utilized for all transformer banks (including for future transformer banks) without physically moving it.

B.2.2 (765/ $\sqrt{3}$) kV, Single Phase Shunt Reactor

110 MVAR, 765/ $\sqrt{3}$ kV, 1-Phase Reactor (including arrangement for 3-phase bank formation of 330 MVAR) shall conform to CEA's "Standard Specifications and Technical Parameters for Transformers and Reactors (66 kV and above)" as amended up to date, available on CEA website.

Spare 1-phase Shunt Reactor unit shall be placed and connected in such a way that the spare unit can be utilized for all the bus and line reactor banks (including for future reactor banks) without its physical movement.

B.2.3 420kV, 3-phase, Shunt Reactor

125 MVAR, 420kV, 3-Phase Reactor shall conform to CEA's "Standard Specifications and Technical Parameters for Transformers and Reactors (66 kV and above)" as amended up to date, available on CEA website.

B.2.4 765kV & 400kV AIS Substation equipment [as applicable]

B.2.4.1 Circuit Breakers (AIS)

The circuit breakers and accessories shall conform to IEC: 62271-100, IEC: 62271-1 and shall be of SF6 Type. The circuit breakers shall be of class C2-M2 (as per IEC) with regard to restrike probability during capacitive current breaking and mechanical endurance. The rated break time shall not exceed 40ms for 765kV & 400kV circuit breakers. 765kV & 400kV Circuit breakers shall be provided with single phase and three phase auto reclosing. The Circuit breakers controlling 765kV lines shall be provided either with pre-insertion closing resistor of about 450 ohms maximum with 9 ms insertion time or with Controlled Switching Device. The Circuit breakers controlling 400kV lines shall be provided with pre insertion closing resistor of about 400 ohms with 8 ms insertion time or Controlled Switching Device (CSD) for lines longer than 200 km. The short line fault capacity shall be same as the rated capacity and this is proposed to be achieved without use of opening resistors. The controlled switching device shall be provided in Circuit breakers of switchable line reactor and



In Main & Tie circuit breakers of line with non-switchable line reactors and Bus reactors and 765 kV class Transformers.

8.2.4.2 Isolators (AIS)

The isolators shall comply to IEC 62271-102 in general. 765kV Isolator design shall be double break or vertical break or knee-type. 400kV shall be double break type. All Isolators and earth switches shall be motor operated. Earth switches shall be provided at various locations to facilitate maintenance. Isolator rated for 765kV, 400kV shall be of extended mechanical endurance class - M2 and suitable for bus transfer current switching duty as per IEC-62271-102. Main blades and earth blades shall be interlocked and interlock shall be fail safe type. 765kV and 400kV earth switches for line isolator shall be suitable for induced current switching duty as defined for Class-B.

8.2.4.3 Current Transformers (AIS)

Current Transformers shall comply with IEC 61869 in general. All ratios shall be obtained by secondary taps only. Generally, Current Transformers (CT) for 765kV & 400kV shall have six cores (four for protection and two for metering). The burden and knee point voltage shall be in accordance with the requirements of the system including possible feeds for telemetry. Accuracy class for protection core shall be PX and for metering core it shall be 0.2S. The rated burden of cores shall be closer to the maximum burden requirement of metering & protection system (not more than 20 VA for metering core) for better sensitivity and accuracy. The instrument security factor shall be less than 5 for CTs upto 400kV and less than 10 for CTs of 765kV voltage class.

8.2.4.4 Capacitive Voltage Transformers (AIS)

Capacitive Voltage transformers shall comply with IEC 61869 in general. These shall have three secondaries out of which two shall be used for protection and one for metering. Accuracy class for protection cores shall be 3P and for metering core shall be 0.2. The Capacitive voltage transformers on lines shall be suitable for Carrier Coupling. The Capacitance of CVT for 400kV shall be of 4400/8800 pF depending on PLCC requirements whereas the Capacitance of CVT for 765kV shall be 8800 pF. The rated burden of cores shall be closer to the maximum burden requirement of

metering & protection system (not more than 50VA for metering core) for better sensitivity and accuracy.

B.2.4.5 Surge Arresters (AIS)

624kV & 336kV Station High (SH) duty gapless type Surge arresters with thermal energy (Wth) of minimum 13 kJ/kV & 12 kJ/kV conforming to IEC 60099-4 in general shall be provided for 800kV & 420kV systems respectively. Other characteristics of Surge arrester shall be chosen in accordance with system requirements. Surge arresters shall be provided near line entrances, Transformers & Reactor so as to achieve proper insulation coordination. Surge Arresters shall be provided with porcelain/ polymer housing fitted with pressure relief devices. A leakage current monitor with surge counter shall be provided with each surge arrester.

B.2.5 Protection Relaying & Control System

The protective relaying system proposed to be provided for transmission lines, auto-transformers, reactors and bus bars to minimize the damage to the equipment in the events of faults and abnormal conditions, is dealt in this section. All main protective relays shall be numerical type with IEC 61850 communication Interface and should have Interoperability during integration of numerical relays to communicate over IEC61850 protocol with RTU/SAS/IEDs of different OEMs All numerical relays shall have built in disturbance recording feature.

The protection circuits and relays of transformer and reactor shall be electrically and physically segregated into two groups each being independent and capable of providing uninterrupted protection even in the event of one of the protection groups failing, to obtain redundancy, and to take protection systems out for maintenance while the equipment remains in service.

a. Transmission Lines Protection

400kV shall have Main-I numerical three zone distance protection scheme with carrier aided inter-tripping feature. 400kV lines shall also have Main-II numerical distance protection scheme like Main-I but from different make that of Main-I. The Main-I and Main-II protection relays of same make may be provided only if they are of different hardware & manufacturing platform or different principle of operation.



However, Line Current Differential relay (with back up distance protection feature) as Main-I and Main-II shall be considered at both ends for short lines (line length below 30KM) having Fiber Optic communication link. Differential relay at remote end shall be provided by the TSP. Associated power & control cabling and integration with SAS at remote end shall be provided by respective bay owner.

In case of loop in loop out of transmission lines, the existing protection scheme shall be studied and suitable up-gradation (if required) shall be carried out.

Further, all 400kV lines shall be provided with single and three phase auto-reclosing facility to allow reclosing of circuit breakers in case of transient faults. These lines shall also be provided with distance to fault locators to identify the location of fault on transmission lines.

All 400kV lines shall also be provided with two stages over voltage protection. Over voltage protection & distance to fault locator may be provided as in-built feature of Main-I & Main-II protection relays. Auto reclose as built-in function of Bay Control Unit (BCU) is also acceptable.

The Main-I and Main-II protection relays shall be fed from separate DC sources and shall be mounted in separate panels.

For 400kV transmission lines, directional IDMT earth fault relay should be provided as standalone unit or in-built feature of Main-I and Main -II feature.

b. Auto Transformer Protection

These shall have the following protections:

- i) Numerical Differential protection
- ii) Numerical Restricted earth fault protection
- iii) Numerical Back-up Over-current and earth fault protection on High Voltage (HV) & Intermediate Voltage (IV) side
- iv) Numerical Over fluxing protection on HV & IV side
- v) Numerical Overload alarm

Further, Numerical Back-up Over-current and earth fault protection on HV & IV side of autotransformer shall not be combined with other protective functions in the main relays and shall be independent relays. Besides these, power transformers

shall also be provided with Buchholz relay, protection against high oil and winding temperature and pressure relief device etc.

Suitable monitoring, control (operation of associated circuit breaker & isolator) and protection for LT auxiliary transformer connected to tertiary winding of auto-transformer for the purpose of auxiliary supply shall be provided. The Over current and other necessary protection shall be provided for the auxiliary transformer. These protection and control may be provided as built in feature either in the bay controller to be provided for the auxiliary system or in the control & protection IEDs to be provided for autotransformer.

c. 765kV & 400kV Reactor Protection

Reactor shall be provided with the following protections:

- i) Numerical Differential protection.
- ii) Numerical Restricted earth fault protection
- iii) Numerical Back-up impedance protection

Besides these, reactors shall also be provided with Buchholz relay, MOG with low oil level alarm, protection against oil and winding temperatures & pressure relief device, etc.

d. Bus Bar Protection

The high-speed low impedance type bus bar differential protection, which is essential to minimize the damage and maintain system stability at the time of bus bar faults, shall be provided for 765kV and 400kV buses. Duplicated bus bar protection is envisaged for 765kV & 400kV bus-bar protection. Bus bar protection scheme shall be such that it operates selectively for each bus and incorporate necessary features required for ensuring security. The scheme shall have complete bus bar protection for present as well as future bays envisaged i.e. input / output modules for future bays shall also be provided.

Bus Bar protection system for new substation shall be de-centralized (distributed) type.

In case, the bus section is provided, then each side of bus section shall have separate set of bus bar protection schemes.



For existing substations, the existing bus bar protection shall be augmented as per requirement.

e. Local Breaker Back up Protection

This shall be provided for each 765kV and 400kV circuit breakers and will be connected to de-energize the affected stuck breaker from both sides.

Notes:

1. LBB & REF relays shall be provided separately from transformer differential relay.
2. LBB relay may also be provided as built-in protection function of distributed bus bar protection scheme; however, in such case separate LBB relay shall be provided for tie bays (in case of One and Half breaker scheme).
3. Over fluxing & overload protection can be provided as built-in feature of differential relay
4. In 765kV & 400kV switchyard, if spare bay of half diameter is identified as future, Tie CB relay panel shall be with Auto-reclosure feature.

B.2.6 Substation Automation System

a) For all the new substations, state of art Substation Automation System (SAS) conforming to IEC-61850 shall be provided. The distributed architecture shall be used for Substation Automation system, where the controls shall be provided through Bay control units. The Bay control unit is to be provided bay wise for voltage level 400kV and above. All bay control units as well as protection units are normally connected through an Optical fiber high speed network. The control and monitoring of circuit breaker, dis-connector, re-setting of relays etc. can be done from Human Machine Interface (HMI) from the control room.

The functions of control, annunciation, disturbance recording, event logging and measurement of electrical parameters shall be integrated in Substation Automation System.

At new substations, the Substation Automation System (SAS) shall be suitable for operation and monitoring of the complete substation including proposed future bays/elements.

In existing substations with Substation automation system (SAS), augmentation of existing SAS shall be done for bays under present scope.

In existing Substations where Substation automation is not provided, control functions shall be done through control panels.

Necessary gateway & modems (as required) shall be provided to send data to RLDC/SLDC as per their requirement. Any augmentation work at RLDC/SLDC is excluded from TSP's scope. However, all the configuration work at substation end required to send data to RLDC/SLDC shall be in the scope of TSP.

b) Time synchronization equipment

Time synchronization equipment complete in all respect including antenna, cable, processing equipment required to receive time signal through GPS or from National Physical Laboratory (NPL) through INSAT shall be provided at new substations. This equipment shall be used to synchronize SAS & IEDs etc

B.2.7 Phasor Measurement Units (PMUs)

TSP shall supply, install & commission required no. of Phasor Measurement Units (PMUs) for all 400kV and above voltage line bays under the scope of work and PMUs shall support latest IEEE C-37.118 protocols. The supplied PMUs may be mounted in the C&R/SAS panels. These PMUs shall be provided with GPS clock and LAN switch and shall connect with LAN switch of control room with Fibre Optic cable which shall further be interfaced with the FOTE. These PMUs shall be integrated with the existing PDC (Phasor Data Concentrator) located at respective RLDC. Configuration work in existing PDC at RLDC for new PMU integration is not in scope of TSP (shall be done by respective RLDC), however all the necessary co-ordination and support in this regard shall be ensured by TSP.

In case of bay extensions work, TSP shall also provide separate WAMS (PMU, switches, interface cabling and other associated accessories) required for extended bays at existing s/s.

B.3.0 Substation Support facilities

Certain facilities required for operation & maintenance of substations as described below shall be provided at new substation. In existing substation, these facilities have already been provided and would be extended/ augmented as per requirement.

B.3.1 AC & DC power supplies



~~For catering the requirements of three phase & single phase AC supply and DC supply for various substation equipment, the following arrangement is envisaged: -~~

- (i) For LT Supply at each new Substation, two (2) nos. of auxiliary Transformers (minimum 800kVA for substations with highest voltage rating as 765kV) shall be provided from two independent sources as per the CEA (Technical Standards for Connectivity to the Grid) Regulations, 2007.

Metering arrangement with Special Energy Meters (SEMs) shall be provided by TSP at 33 kV tertiary of Transformer for drawing auxiliary supply at new substation. Such SEMs shall be provided by CTU at the cost of the TSP. Accounting of such energy drawn by the TSP shall be done by RLDC/RPC as part of Regional Energy Accounting.

Additionally, Active Energy Meters may be provided at the same point in the 33 kV tertiary of Transformer by local SEB/DISCOM for energy accounting.

- (ii) 2 sets of 220 V battery banks for control & protection and 2 sets of 48 V battery banks for PLCC/communication equipment shall be provided at each new Substation. Each battery bank shall have a float-cum-boost charger.

At new substation, sizing of 220 V battery and battery charger shall be done based on the number of bays specified (including future bays) as per CEA Regulations and relevant IS. 2 sets of 48 V battery banks for PLCC and communication equipment for present and future scope shall be provided at each new Substation with at least 10-hour battery backup and extended backup, if required.

- (iii) Suitable AC & DC distribution boards and associated LT Switchgear shall be provided at new substation.

For new substation, following switch boards shall be considered with duplicate supply with bus coupler/ sectionalizer and duplicate outgoing feeders except for Emergency lighting distribution board which shall have only one incoming feeder:

- (a) 415V Main Switch board – 1 no.
- (b) AC distribution board – 1 no.
- (c) Main lighting distribution board – 1 no.
- (d) Emergency lighting distribution board – 1 no.
- (e) 220 Volt DC distribution board – 2 nos.

(f) 48 Volt DC distribution board – 2 nos.

Sizing of LT Switchgear shall be suitable to cater the requirement for all present and future bays. AC & DC distribution boards shall have modules for all the feeders (including future as specified).

(iv) At new Substation, one no. of DG set (minimum 500 KVA for substations with highest voltage rating as 765kV) shall be provided for emergency applications.

(v) For substation extensions, existing facilities shall be augmented as required.

B.3.2 Fire Fighting System

Fire-fighting system for substation including transformer & reactor shall conform to CEA (Measures Relating to Safety & Electric Supply) Regulations.

Further, adequate water hydrants and portable fire extinguishers shall be provided in the substations. The main header of firefighting system shall be suitable for extension to bays covered under the future scope; necessary piping interface in this regard shall be provided.

At existing substations, the fire-fighting systems as available shall be extended to meet the additional requirements.

B.3.3 Oil evacuating, filtering, testing & filling apparatus

To monitor the quality of oil for satisfactory performance of transformers, shunt reactors and for periodical maintenance necessary oil evacuating, filtering, testing and filling apparatus would be provided at new substations. Oil storage tanks of adequate capacities for storage of transformer oil would be provided.

B.3.4 Illumination

Normal & emergency AC & DC illumination shall be provided adequately in the control room & other buildings of the substation. The switchyard shall also be provided with adequate illumination.

Lighting of the entire control room building, fire-fighting pump house, other building (if any) and switchyard shall be done by LED based low power consumption luminaires.



B.3.5 Control Room

For new substation, substation control room shall be provided to house substation work stations for station level control (SAS) alongwith its peripheral and recording equipment, AC & DC distribution boards, DC batteries & associated battery chargers, Fire Protection panels, Telecommunication panels & other panels as per requirements. Air conditioning shall be provided in the building as functional requirements. Main cable trenches from the control room shall have adequate space provision for laying of cables from control room for all the future bays also.

At existing substations, the adequacy of size of control room shall be ascertained and the same shall be augmented as per requirement.

B.3.6 Control Concept

All the EHV circuit breakers in substation/switching stations shall be controlled and synchronized from the switchyard control room/remote control center. Each breaker would have two sets of trip circuits which would be connected to separate DC supplies for greater reliability. All the Isolators shall have control from remote/local whereas the earth switches shall have local control only.

B.3.7 Visual monitoring system (VMS) for watch and ward of substation premises:

Visual monitoring system for effective watch and ward of substation premises shall cover all the transformers and reactors, all other major AIS Equipment (such as CB, isolators, CT, CVT, SA etc. as applicable), GIS bays, panel room, all the gates of switchyard and all entry and exit points of control room building and accordingly the location of cameras shall be decided. The camera shall be high definition color CCD camera with night vision feature. The VMS data partly/completely shall be recorded (minimum for 15 days) at least @25fps (or better) and stored on network video recorder. The system shall use video signals from various cameras installed at different locations, process them for viewing on workstations/monitors in the control room and simultaneously record all the cameras.

Mouse/keyboard controllers shall be used for pan, tilt, zoom and other functions of the desired camera. The Visual Monitoring System shall have provision of WAN connectivity for remote monitoring.



All camera recordings shall have Camera ID & location/area of recording as well as date/time stamp. The equipment should generally conform to Electromagnetic compatibility requirement for outdoor equipment in EHV substation.

At existing substations, the visual monitoring system if available shall be augmented as per existing or better specification as required.

B.4 General Facilities

- a) Line Gantry/Towers are envisaged for bays under present scope only. However, for adjacent future line bay, tower shall be designed for extension (considering Quad conductors for 765 kV & 400 kV future lines) wherever applicable.
- b) Bay extension works at existing substation shall be executed by TSP in accordance with the requirement/provisions mentioned above. However, interface points shall be considered keeping in view the existing design/arrangement at the substation.
- c) TSP has to arrange for construction power and water on its own.
- d) All outdoor steel structures including anchor/foundation bolts shall be fully galvanized. The weight of the zinc coating shall be at least 610 gm/sq.m and 900 gm/sq.m for coastal/creek regions (if applicable).
- e) In 765kV & 400kV switchyard, if spare bay of half diameter is identified as future, all the equipment for Tie bay and Future bay shall be designed considering the current rating of line bay i.e. 3150A.
- f) Boundary wall shall be brick masonry wall with RCC frame or Stone masonry wall or Precast RCC wall under present scope along the property line of complete substation area including future switchyard area to prevent encroachment and unauthorized access. Minimum height of the boundary wall shall be of 1.8m from finished ground level (FGL) as per CEA Measures Relating to Safety and Electric Supply Regulations.
- g) In Neemrana-II s/s, all electrical equipment shall be installed above Highest Flood Level (HFL) and where such equipment is not possible to be installed above HFL, it shall be ensured that there is no seepage or leakage or logging of water. In Kotputli s/s level shall be matched with level of existing bays.

B.5 EXTENSION OF EXISTING SUBSTATION



The following drawings/details of existing substation is attached with the REP documents for further engineering by the bidder.

Sl. No.	Drawing Title	Drawing No./Details	Rev. No.
A.	765kV Neemrana-II S/s		
1.0	Single Line Diagram	Developer yet to be finalized by BPC. The finalization of drawings is in the scope of developer. The same may be availed from the developer on finalization.	--
2.0	General Arrangement		
3.0	Earthmat Layout		
4.0	Visual Monitoring System		
5.0	Bus Bar Protection		
6.0	Substation Automation System (SAS)		
B.	400kV Kotputli S/s		
1.0	Single Line Diagram	C/ENGG-SS/NR-I/RTM/KOTPUTLI/EXT./SLD/01	
2.0	General Arrangement	/ENGG-SS/NR-I/RTM/KOTPUTLI/EXT./GA/01	
3.0	Earthmat Layout		
4.0	Visual Monitoring System	Nicevision	
5.0	Bus Bar Protection	Make: GE Model: P741	
6.0	Substation Automation System (SAS)	Make: GE Model: DS AGILE	

Bidder is also advised to visit the substation sites and acquaint themselves with the topography, infrastructure such as requirement of roads, cable trench, drainage etc. and also the design philosophy.



SPECIFIC TECHNICAL REQUIREMENTS FOR COMMUNICATION

The communication requirement shall be in accordance to CEA (Technical Standards for Communication System in Power System Operations) Regulations, 2020, CERC (Communication System for inter-State transmission of electricity) Regulations, 2017, and CEA (Cyber Security in Power Sector) Guidelines, 2021, all above documents as amended from time to time.

The protections for transmission line and the line compensating equipment shall have hundred percent back up communication channels i.e. two channels for tele-protection in addition to one channel for speech plus data for each direction.

In order to meet the requirement for grid management and operation of substations, Transmission Service Provider (TSP) shall provide the following:

3.1.1 C.1.0 Neemrana-II – Kotputli 400 kV D/c line

On Neemrana-II – Kotputli 400 kV D/c line, TSP shall supply, install & commission One (1) no. OPGW cable containing 24 Fibres (24F) on one E/W peak and conventional earth wire on other E/W peak.

The TSP shall install this OPGW from gantry of Neemrana-II up to the gantry of Kotputli S/s with all associated hardware including Vibration Dampers, mid-way & gantry Joint Boxes (called OPGW Hardware hereafter) and finally terminate in Joint Boxes at end Substations. The transmission line length is 70 kms (approx.) where repeater is not required to meet link budget requirement of Neemrana-II – Kotputli link.

3.1.1 C.2.0 LIL0 of both circuits of 400kV Gurgaon (PG)- Sohna Road (GPTL) D/c line at Neemrana-II S/s

On LIL0 of both circuits of 400kV Gurgaon (PG) - Sohna Road (GPTL) D/c line at Neemrana-II S/s, TSP to supply, install & commission OPGW and earthwire as per Tower Configurations:

- (i) For Multi Circuit Tower Configuration: Two (2) no. OPGW cable containing 24 Fibres (24F) on both the Earthwire peaks
- (ii) For Double Circuit Tower configuration (for both Loop In and Loop Out portion): One (1) no. OPGW cable containing 24 Fibres (24F) to be installed on one earthwire peak & conventional earthwire on other earthwire peak for both Loop In and Loop Out Lines.



The TSP shall install OPGW cables from Gantry of Neemrana-II S/s up to the LLO tower with all associated hardware including Vibration Dampers, LLO Tower, mid-way & gantry Joint Boxes (called OPGW Hardware hereafter) and finally terminate in Joint Boxes at Neemrana-II S/s. The transmission line length of LLO portion is 85 kms (approx.), If after survey repeater required to meet the link budget requirement of Neemrana-II – Gurgaon (PG) & Neemrana-II – Sohna Road (GPTL) link the same shall be provided by TSP.

TSP shall finalize the location of repeater station depending upon the actual site conditions. Further TSP shall comply to the requirements mentioned as per Appendix-0.1.

Maintenance of OPGW Cable and OPGW Hardware shall be responsibility of TSP.

3.1.1 C.3.0 Establishment of 765/400 kV Neemrana-II S/s

- (i) TSP shall supply, install & commission 2 no. FODP (96 F) alongwith panel and approach Cable (24F each) with all associated hardware fittings from gantry tower to Control Room for all the incoming lines envisaged under the present scope.
- (ii) TSP shall supply, install & commission One or more STM-16 (FOTE) equipment alongwith panel/s supporting minimum Eight (8) directions with MSP (Multiplex Section Protection – 1+1). These directions shall exclude protected (1+1) local patching among equipment (if any) at Neemrana-II S/s with suitable DC Power Supply & necessary interfaces to meet the voice and data communication requirement among Gurgaon (PG), Sohna Road (GPTL), Kotputli, local pathing for FOTE at Bay Kisok for Bikaner-III (1st), Bikaner-III (2nd) & Bareilly (PG) lines and two no. spare ports. TSP to also provide suitable optical interfaces/equipment at Gurgaon (PG), Sohna Road (GPTL) Substations FOTE to meet link budget requirement for connectivity with Neemrana-II Station. The suitable DC Power Supply and backup to be provided for communication equipment.
- (iii) FODP & FOTE equipment with panels shall be provided in Control Room of Neemrana-II S/s. FOTE & FODP Eq can be accommodated in same panel to optimize space.
- (iv) The new communication equipment under the present scope shall be compatible for integration with existing regional level centralized NMS. The local configuration of the new communication equipment shall be the responsibility of TSP. The configuration work in the existing centralized NMS for integration of new Communication equipment shall be done by Regional ULDC Team, however all the necessary support in this regard shall be ensured by TSP.



(v) TSP shall supply, install & commission Firewall in redundant mode (1+1) in line with the specification attached at Annexure D.2.

(vi) The maintenance of all the communication equipment including FOTE, FODP, approach cable, Repeater Station, DCPS alongwith Battery Bank & Firewall shall be the responsibility of TSP.

3.1.1 C.4.0 2 no. of 400 kV line bays at Kotputli for Neemrana-II- Kotputli 400kVD/c line

(i) TSP shall supply, install & commission 1 no. FODP (96 F) alongwith panel and required Approach Cable (24F) with all associated hardware fittings from gantry tower to Bay Kiosk and from the Bay Kiosk to Control room.

(ii) TSP shall supply, install & commission One STM-16 (FOTE) equipment alongwith panel/s supporting minimum three (3) directions with MSP (Multiplex Section Protection – 1+1) with necessary interfaces to meet the voice and data communication requirement between Kotputli, Neemrana-II S/s. The suitable DC Power Supply and backup to be provided for communication equipment.

(iii) FOTE/FODP panel shall be installed in the new Bay Kiosk (Switchyard Panel Room (SPR)). The FOTE under present scope shall be integrated by TSP with the existing FOTE at control room of Kotputli S/s which shall be communicating with respective control center. TSP to provide necessary FODP sub rack / Splice trays/ Patch cords etc. and optical interfaces/equipment in the existing FOTE/FODP panels in control room for integration with the existing FOTE for onwards data transmission.

In case spare optical direction is not available in the existing FOTE at the control room, the TSP shall coordinate with station owner to reconfigure the directions in existing FOTE at control room. Alternatively, The TSP may integrate the FOTE under the present scope with existing FOTE in the nearby Kiosk connected to the control room FOTE (if available with spare direction). For this purpose, TSP shall provide necessary FODP sub rack / Splice trays/ Patch cords etc. and suitable optical interfaces/ equipment in the existing FOTE/FODP panels in another Kiosk (SPR).

(iv) FOTE & FODP can be accommodated in same panel to optimize space.

(v) The new communication equipment under the present scope shall be compatible for integration with existing regional level centralized NMS. The local configuration of the new communication equipment shall be the responsibility of TSP. The configuration work in the existing centralized NMS for integration of new Communication equipment shall be done by Regional ULDC Team, however all the necessary support in this regard shall be ensured by TSP.



~~The maintenance of all the communication equipment including FOTE, FODP, approach cable, DCPS alongwith Battery Bank shall be the responsibility of TSP.~~

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Repeater Requirements

- If the repeater location is finalized in the Control Room of a nearby substation, TSP shall provide 1 no. OPGW (48F) on a single Earthwire peak with OPGW Hardware & mid-way Joint Boxes etc. of the line crossing the main line and 1 no. Approach Cable (48F) with all associated hardware fittings, to establish connectivity between crossing point of main transmission line up to the repeater equipment in substation control room.

TSP shall co-ordinate for Space & DC power supply sharing for repeater equipment.

TSP shall provide FODP, FOTE (with STM-16 capacity) with suitable interfaces require for link budget of respective link.

OR

- If the repeater location is finalized in the nearby substation premises, the TSP shall identify the Space for repeater shelter in consultation with station owner. Further TSP shall provide 1 no. OPGW (48F) on a single Earthwire peak with OPGW Hardware & mid-way Joint Boxes etc. of the line crossing the main line and 1 no. Approach Cable (48F) / UGFO (48F) with all associated hardware fittings, to establish connectivity between crossing point of main transmission line up to the substation where the repeater shelter is to be housed.

TSP shall provide repeater shelter along with FODP, FOTE (with STM-16 capacity) with suitable interfaces require for link budget of respective link, reliable power supply provisioning for AC and DC supply, battery bank, Air Conditioner and other associated systems.

OR

- If the repeater location is finalized on land near the transmission tower. TSP shall make the provisions for Land at nearby tower for repeater shelter. Further TSP shall provide 1 no. Approach Cable (48F) / UGFO (48F) with all associated hardware fittings to establish connectivity up to the location of repeater shelter.
- TSP shall provide repeater shelter along with FODP, FOTE (with STM-16 capacity) with suitable interfaces require for link budget of respective link, reliable power supply provisioning for AC and DC supply, battery bank, Air Conditioner and other associated systems



~~Maintenance of OPGW Cable and OPGW Hardware, repeater equipment & items~~
associated with repeater shelter shall be responsibility of TSP.

Note: Existing Station owner/s to provide necessary support to integrate different equipment & applications of new extended bays with the existing substation e.g. Communication (through FOTE), Voice etc. for smooth operation and monitoring of new added grid elements.





Present Scope	Upcoming	Existing
<p>1. General</p> <p>2. Specific</p> <p>3. Other</p>	<p>1. General</p> <p>2. Specific</p> <p>3. Other</p>	<p>1. General</p> <p>2. Specific</p> <p>3. Other</p>



Next Generation Firewall (NGFW)

TSP shall provide 2 NGFW one in Main & another in Standby mode having electrical ethernet interfaces/ports and placed between FOTE & SAS gateway/s at the substation. All ethernet based applications shall be terminated in the firewall ports directly (e.g. PMU, AMR, VOIP, SAS/SCADA etc.). Each port of firewall shall work as a separate zone. Firewall shall be hardware based with features of Block/Allow/drop and IPSec VPN (network encryption).

The number of ports/interfaces in each firewall (i.e. Main & Standby) shall be minimum 16 nos. TSP shall provide either single firewall or multiple firewalls to meet this interfaces requirement, each for main as well as standby firewall. Minimum throughput of firewall shall be 300 Mbps.

The Firewall shall be managed/ configured as standalone at present and shall also have compatibility to manage/configure through Centralized Management Console (CMC) remotely in future.

Firewall shall be tested and certified for ISO15408 Common Criteria for least EAL4+. Further, the OEM must certify that it conforms to Secure Product Development Life Cycle requirements as per IEC62443-4-1. The firewall shall generate reports for NERC-CIP Compliance.

The specifications for the firewalls are given at Annexure-D.3 and schematic diagram showing firewall placement given at Figure F.3.



Specifications of Next Generation Firewall (NGFW)

1. NGFW shall have following features including but not limited to:
Encryption through IPsec VPN (Virtual Private Network), Deep Packet Inspection (DPI), Denial of service (DoS) & Distributed Denial of Service (DDoS) prevention, Port Block/ Allow, rules/ policies for block/allow, IP (Internet Protocol) & Media Access Control (MAC) spoofing protection, threat detection, Intrusion Prevention System (IPS), Anti-Virus, Anti-Spyware, Man In The Middle (MITM) attack prevention.
2. The proposed firewall shall be able to handle (alert, block or allow) unknown /unidentified applications e.g. unknown TCP & UDP packets. It shall have the provision to define application control list based on application group and/or list.
3. Firewall shall have feature and also have capability to update the definition/ Signatures of Anti-Virus online as well as offline. Firewall shall also be compatible to update the definitions/signatures through CMC. There shall be a defined process for security patching and firmware up-gradation. There shall be a feature to field validate firmware checksum. The same shall also be validated before using the OEM provided file/binary in the process of firmware up-gradation and security patching.
4. Firewall shall have Management Console port to configure remotely.
5. Firewall shall be EMI/EMC compliant in Substation environment as per IEC 61850-3.
6. Firewall shall be rack mounted in existing standard equipment cabinets.
7. Firewall shall have support of SCADA applications (IEC-60870-5-104), IEC-61850, PMU (IEEE C37.118), Sub-Station Automation System (IEC 61850), Ethernet and other substation environment protocols.
8. Client based Encryption/ VPN must support different Operating System platforms e.g. Windows, Linux & Mac.



9. The solution must have content and comprehensive file detection policies, blocking the files as function of their types, protocols and directions.
10. Firewall shall have logging facility as per standard logs/events format. Firewall shall have features to export the generated/stored logs/events in csv (Comma Separated Value) and also any other standard formats for offline usage, analysis and compliance. Firewall shall have suitable memory architecture and solution to store and be enable to export all logs/events for a period of last 90 days at any given time.
11. Firewall shall have features and be compatible with local as well as central authentication system (RADIUS, LDAP, or TACACS+) for user account and access right management. It shall also have Role Based User management feature.
12. Firewall shall have the capability to configure sufficient number of VLANs.
13. Firewall shall have the capability to support sufficient number of sessions.
14. Firewall shall have provision to configure multiple IP Sec VPNs, at least 100 nos., (one-to-many or many-to-one). Shall support redundant operation with a similar router after creation of all the IP Sec VPN. IPSec VPN shall support encryption protocols as AES128, AES256 and hashing algorithms as MD5 and SHA1. IPSec VPN throughput shall support at least 300 Mbps
15. Firewall shall be capable of SNMP v3 for monitoring from Network Management system. It shall also have SNMPv3 encrypted authentication and access security
16. Firewall shall support in Active/Passive or Active-Active mode with High Availability features like load balancing, failover for firewall and IPsec VPN without losing the session connectivity.
17. Firewall should have integrated traffic shaping (bandwidth, allocation, prioritisation, etc.) functionality
18. Shall support simultaneous operation with both IPv4 and IPv6 traffic
19. Firewall shall be compatible with NTP or any other standards for clock synchronization
20. Firewall shall have the features of port as well as MAC based security



21. Firewall shall support exporting of logs to a centralized log management system (e.g. syslog) for security event and information management.
22. Firewall time shall be kept synchronised to official Indian Timekeeping agency, time.nplindia.org.
23. Firewall product shall be provided with all applicable updates at least until 36 months since the applicable date of product shipping to the concerned utility.

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Firewall Placement Diagram

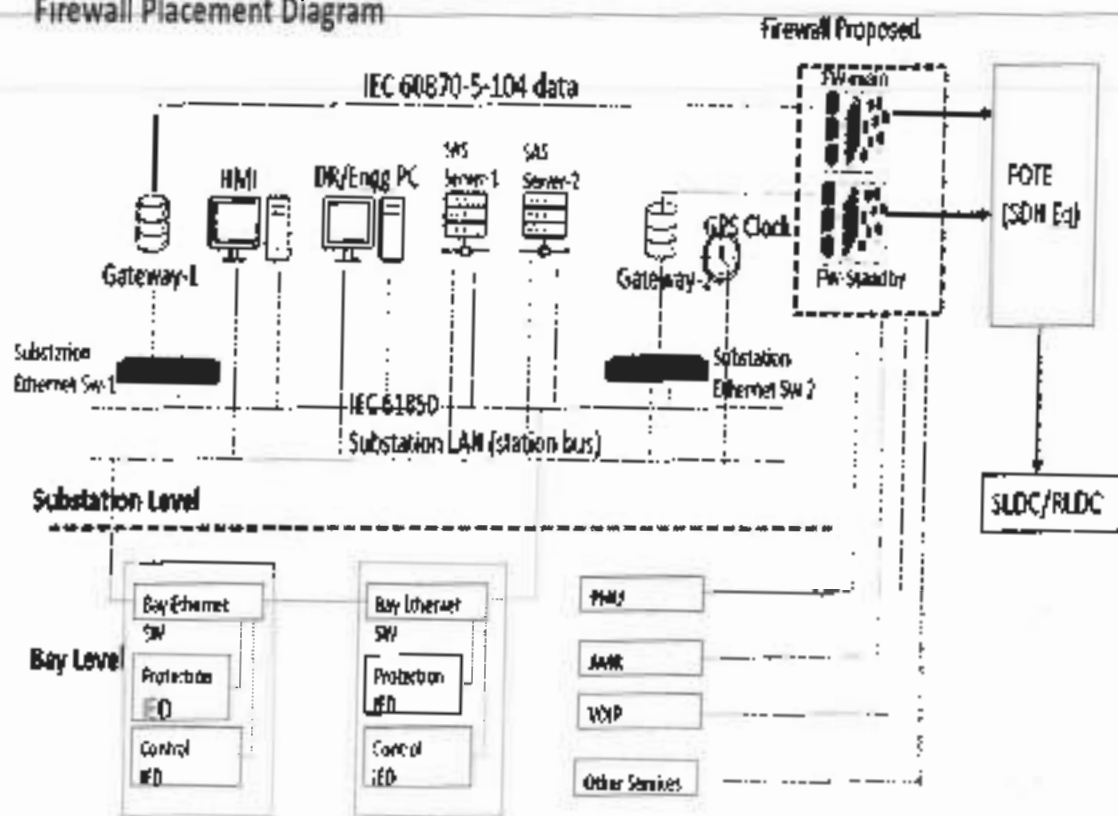


Figure F.3

C.5.0 PLCC & PABX:

Power line carrier communication (PLCC) equipment complete for speech, tele-protection commands and data channels shall be provided on each transmission line. The PLCC equipment shall in brief include the following: -

- Coupling device, line traps, carrier terminals, protection couplers, HF cables, PABX (if applicable) and maintenance and testing instruments.
- At new substation, a telephone exchange (PABX) of 24 lines shall be provided at as means of effective communication among various buildings of the substation, remote end substations and with control centers (RLDC/SLDC) etc.
- Coupling devices shall be suitable for phase to phase coupling for 765kV & 400kV Transmission lines. The pass band of coupling devices shall have sufficient



margin for adding communication channel in future if required. Necessary protection devices for safety of personnel and low voltage part against power frequency voltages and transient over voltage shall also be provided.

- The line traps shall be broad band tuned suitable for blocking the complete range of carrier frequencies. Line Trap shall have necessary protective devices such as lightning arresters for the protection of tuning device. Decoupling network consisting of line traps and coupling capacitors may also be required at certain substation in case of extreme frequency congestion.
- The carrier terminals shall be of single side-band (SSB) amplitude modulation (AM) type and shall have 4 kHz band width. PLCC Carrier terminals and Protection couplers shall be considered for both ends of the line.
- PLCC equipment for all the transmission lines covered under the scheme (consisting of one set of analog PLCC channel along with circuit protection coupler and one set of Digital protection coupler for both ends) shall be provided by TSP. CVT & Wave trap for all the line bays under present scope shall be provided by TSP.
- TSP shall provide/ undertake necessary addition/ modification/ shifting/ re-commissioning etc. of PLCC equipment due to ULO of transmission lines (wherever applicable).
- All other associated equipment like cabling, coupling device and HF cable shall also be provided by the TSP.
- 2 sets of 48V battery banks for PLCC and communication equipment shall be provided at each new Substation with at least 10 hours battery backup and extended backup, if required.



Schedule: 2

Scheduled COD

[Note: As referred to in the definition of "Element", "Scheduled COD", and in Articles 3.1.3 (c), 4.1 (b) and 4.3 (a) of this Agreement]

Sl. No.	Name of the Transmission Element	Scheduled COD	Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project	Element(s) which are pre-required for declaring the commercial operation (COD) of the respective Element
1.	Establishment of 765/400 kV, 4x1500 MVA (along with one spare unit of 500 MVA) Neemrana-II S/s along with 2x330 MVar (765 kV) Bus Reactor (along with one spare unit of 110 MVar) & 2x125 MVar (420kV) Bus Reactor at a suitable location near Neemrana	24 months from SPV transfer	100%	All elements of scheme are required to be commissioned simultaneously as their utilization is dependent on each other.
2.	Neemrana-II -Kotputli 400 kV D/c line (Quad)			
3.	2 no. of 400 kV line bays at Kotputli			
4.	LILO of both ckts of 400 kV Gurgaon (PG) - Sohna Road (GPTL) D/c line (Quad) at Neemrana-II S/s			

Note:



- (i) Provision of suitable sectionalization shall be kept at Neemrana-II S/s at 400kV level to limit short circuit level.
- (ii) POWERGRID to provide space for 2 nos. of 400 kV line bays at Kotputli S/s.

The payment of Transmission Charges for any Element irrespective of its successful commissioning on or before its Scheduled COD shall only be considered after successful commissioning of the Element(s) which are pre-required for declaring the commercial operation of such Element as mentioned in the above table.

Scheduled COD for the Project: 24 Months from Effective Date.



Schedule: 3**Safety Rules and Procedures**

[Note: As referred to in Articles 5.6 of this Agreement]

1: Site Regulations and Safety:

The TSP shall establish Site regulations within sixty (60) days from fulfilment of conditions subsequent, as per Prudent Utility Practices setting out the rules to be observed till expiry of the Agreement at the Site and shall comply therewith.

Such Site regulations shall include, but shall not be limited to, rules in respect of security, safety of the Project, gate control, sanitation, medical care, and fire prevention, public health, environment protection, security of public life, etc

Copies of such Site regulations shall be provided to the Nodal Agency and the CEA for the purpose of monitoring of the Project.

2: Emergency Work:

In cases of any emergency, the TSP shall carry out all necessary remedial work as may be necessary.

If the work done or caused to be done by any entity, other than the TSP, the TSP shall, reimburse the actual costs incurred, to the other Party carrying out such remedial works.

3: Site Clearance:

In the course of execution of the Agreement, the TSP shall keep the Site reasonably free from all unnecessary obstruction, storage, remove any surplus materials, clear away any wreckage, rubbish and temporary works from the Site, and remove any equipment no longer required for execution of the Agreement. After completion of all Elements of the Project, the TSP shall clear away and remove all wreckage, rubbish and debris of any kind from the Site, and shall leave the Site clean and safe.

4: Watching and Lighting:

The TSP shall provide and maintain at its own expense all lighting, fencing, and watching when and where necessary for the proper construction, operation, maintenance / repair of any of the Elements of the Project, or for the safety of the owners and occupiers of adjacent property and for the safety of the public, during such maintenance / repair.



Schedule: 4**Computation of Transmission Charges****1.1 General**

The Monthly Transmission Charges to be paid to the TSP for providing Transmission Service for any Contract Year during the term of the Agreement shall be computed in accordance with this Schedule and paid as per Sharing Regulations.

Illustration regarding payment of Transmission Charges under various scenarios (considering definitions of Contract Year, Expiry Date & Monthly Transmission Charges above) is as below: -

Illustration-1: In case the Project Elements achieve COD as per Schedule

Quoted Transmission Charges: Rs. 140 Million

Completion Schedule:

Element No.	Completion Schedule in Months	Scheduled CoD of the Element	Actual CoD of the Element	% Charges recoverable on Scheduled CoD of the Element
Element 1	28	1-Feb-2018	1-Feb-2018	25%
Element 2	38	1-Dec-2018	1-Dec-2018	75%

Tariff Payable as follows:



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Transmission Charges for Element 1			Transmission Charges for Element 2		
1-Feb-18 to 31-Mar-18	140 X 25% X ((28+31)/365)	5.65		--	0.00
1-Apr-18 to 30-Nov-18	140 X 25% X (244/365)	23.39		--	0.00
1-Dec-18 to 31-Mar-19	140 X 100% X (121/365)				46.41
2	140 X 100% X 1				140
3	140 X 100% X 1				140
4	140 X 100% X 1				140
5	140 X 100% X 1				140
36 (1-Apr to 30-Nov)	140 X 100% X (244/365)				93.59

Illustration-2: In case of extension of Scheduled COD as per Article 4.4.1 & 4.4.2 of this Agreement

Quoted Transmission Charges: Rs. 140 Million

Completion Schedule:

Element No.	Completion Schedule in Months	Scheduled CoD of the Element	Actual CoD of the Element	% Charges recoverable on Scheduled CoD of the Element
Element 1	20	1-Feb-2018	1-Jul-2018	25%
Element 2	28	1-Oct-2018	1-Dec-2018	75%

Tariff Payable as follows:

Transmission Charges for Element 1			Transmission Charges for Element 2		
1-Feb-18 to 31-Mar-18	--	0.00		--	0.00
1-Apr-18 to 30-Jun-18	--	0.00		--	0.00
1-Jul-18 to 30-Nov-18	$140 \times 25\% \times (153/365)$	14.67		--	0.00



1-Dec-18 to 31-Mar-19	$140 \times 100\% \times (121/365)$	46.41
2	$140 \times 100\% \times 1$	140
3	$140 \times 100\% \times 1$	140
4	$140 \times 100\% \times 1$	140
5	$140 \times 100\% \times 1$	140
36 (1-Apr to 30-Nov)	$140 \times 100\% \times (244/365)$	93.59

Illustration-3: In case of delay in achieving COD of Project & all individual Elements (COD of the Project achieved in Contract Year 1)

Quoted Transmission Charges: Rs. 140 Million

Completion Schedule:

Element No.	Completion Schedule in Months	Scheduled CoD of the Element	Actual CoD of the Element	% Charges recoverable on Scheduled CoD of the Element
Element 1	20	1-Feb-2018	1-Dec-2018	25%
Element 2	28	1-Oct-2018	1-Dec-2018	75%

Tariff Payable as follows:

Transmission Charges for Element 1			Transmission Charges for Element 2		
1-Feb-18 to 31-Mar-18	--	0.00	1-Oct-18 to	--	0.00
1-Apr-18 to 30-Sept-18	--	0.00		--	0.00
1-Oct-18 to	--	0.00		--	0.00



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30-Nov-18		30-Nov-18	
1-Dec-18 to 31-Mar-19	140 X 100% X (121/365)		46.41
2	140 X 100% X 1		140
3	140 X 100% X 1		140
4	140 X 100% X 1		140
5	140 X 100% X 1		140

36 (1-Apr to 30-Nov)	140 X 100% X (244/365)		93.59



Illustration-4: In case of delay in achieving CoD of Project & all Individual Elements (CoD of the Project achieved in Contract Year other than Contract Year 1)

Quoted Transmission Charges: Rs. 140 Million

Completion Schedule:

Element No.	Completion Schedule in Months	Scheduled CoD of the Element	Actual CoD of the Element	% Charges recoverable on Scheduled CoD of the Element
Element 1	38	1-Oct-2019	1-May-2020	25%
Element 2	38	1-Oct-2019	1-May-2020	75%

Tariff Payment to be paid as:

Transmission Charges for Element 1			Transmission Charges for Element 2		
1-Oct-19 to 31-Mar-20	--	0.00	1-Oct-19 to 31-Mar-20	--	0.00
1-Apr-20 to 30-Apr-20	-	0.00	1-Apr-20 to 30-Apr-20	-	0.00
1-May-20 to 31-Mar-21	140 X 100% X (335/365)				128.49
2	140 X 100% X 1				140
3	140 X 100% X 1				140
4	140 X 100% X 1				140
5	140 X 100% X 1				140
.....					
.....					
36 (1-Apr to 30-Apr)	140 X 100% X (30/ 365)				11.51



Illustration 5: In case of delay in achieving COD of Element but Project COD achieved on time

Quoted Transmission Charges: Rs. 140 Million

Completion Schedule:

Element No.	Completion Schedule In Months	Scheduled CoD of the Element	Actual CoD of the Element	% Charges recoverable on Scheduled CoD of the Element
Element 1	20	1-Feb-2018	1-Jul-2018	25%
Element 2	30	1-Dec-2018	1-Dec-2018	75%

Tariff Payable as follows:

Transmission Charges for Element 1			Transmission Charges for Element 2		
1-Feb-18 to 31-Mar-18	--	0.00		--	0.00
1-Apr-18 to 30-Jun-18	--	0.00		--	0.00
1-Jul-18 to 30-Nov-18	140 X 25% X (153/365)	14.67		--	0.00
1-Dec-18 to 31-Mar-19	140 X 100% X (121/365)				46.41
2	140 X 100% X 1				140
3	140 X 100% X 1				140
4	140 X 100% X 1				140
5	140 X 100% X 1				140
36 (1-Apr to 30-Nov)	140 X 100% X (244/365)				93.59



Illustration-6: In case of early commissioning of Project**Quoted Transmission Charges: Rs. 140 Million****Completion Schedule:**

Element No.	Completion Schedule in Months	Scheduled CoD of the Element	Actual CoD of the Element	% Charges recoverable on Scheduled CoD of the Element
Element 1	38	1-Oct-2019	1-Jul-2019	25%
Element 2	38	1-Oct-2019	1-Jul-2019	75%

Tariff Payment to be paid as:

Transmission Charges for Element 1		Transmission Charges for Element 2
1-July-19 to 31-Mar-20	$140 \times 100\% \times (274/365)$	105.09
2	$140 \times 100\% \times 1$	140
3	$140 \times 100\% \times 1$	140
4	$140 \times 100\% \times 1$	140
5	$140 \times 100\% \times 1$	140
.....		
36 (1-Apr to 30-Jun)	$140 \times 100\% \times (91/365)$	34.91

Illustration-7: In case of early commissioning of an element**Quoted Transmission Charges: Rs. 140 Million****Completion Schedule:**

Element No.	Completion Schedule in Months	Scheduled CoD of the Element	Actual CoD of the Element	% Charges recoverable on Scheduled CoD of the Element
Element 1	38	1-Oct-2019	1-Apr-2019	25%
Element 2	38	1-Jul-2019	1-Jul-2019	75%



Tariff Payment to be paid as:

Transmission Charges for Element 1			Transmission Charges for Element 2		
1-Apr-2019 to 30-Jun-19	$140 \times 25\% \times (91/365)$	8.72	1-Apr-2019 to 30-Jun-19	--	0.00
1-July-19 to 31-Mar-20	$140 \times 100\% \times (274/365)$				105.09
2	$140 \times 100\% \times 1$				140
3	$140 \times 100\% \times 1$				140
4	$140 \times 100\% \times 1$				140
5	$140 \times 100\% \times 1$				140
.....					
.....					
36 (1-Apr-30-Jun)	$140 \times 100\% \times (91/365)$				34.91

The Transmission Charges shall be payable on monthly basis as computed above.

1.2 Computation of Monthly Transmission Charges

The Monthly Transmission Charges for any month m in a Contract Year n shall be calculated as below:

For AC System:

- a. If Actual Transmission System Availability for the month m of contract year n is greater than or equal to 98% and less than or equal to 98.5%;

$$\text{Monthly Transmission Charges } MTC(m) = Tmn \times 1$$

- a. If Actual Transmission System Availability for the month m of contract year n exceeds 98.5% and less than or equal to 99.75%;

$$\text{Monthly Transmission Charges } MTC(m) = Tmn \times (AA / 98.5\%)$$

- c. If Actual Transmission System Availability for the month m of contract year n is greater than 99.75%;

$$\text{Monthly Transmission Charges } MTC(m) = Tmn \times (99.75\% / 98.5\%)$$



- d. If Actual Transmission System Availability for the month m of contract year n is less than 98% and greater than or equal to 95.00%;

$$\text{Monthly Transmission Charges } \overline{MTC(m)} = \overline{Tmn} * (AA/98\%)$$

- e. If Actual Transmission System Availability for the month m of contract year falls below 95%;

$$\text{Monthly Transmission Charges } MTC(m) = Tmn * (AA/98\%) - 0.02 * [Tmn * (AA/95\%)]$$

For DC System:

- a. If Actual Transmission System Availability for the month m of contract year n is greater than or equal to 95% and less than or equal to 96%;

$$\text{Monthly Transmission Charges } MTC(m) = Tmn * 1$$

- b. If Actual Transmission System Availability for the month m of contract year n exceeds 96% and less than or equal to 99.75%;

$$\text{Monthly Transmission Charges } MTC(m) = Tmn * (AA/96\%)$$

- c. If Actual Transmission System Availability for the month m of contract year n is greater than 99.75%;

$$\text{Monthly Transmission Charges } MTC(m) = Tmn * (99.75\% / 96\%)$$

- d. If Actual Transmission System Availability for the month m of contract year n is less than 95% and greater than or equal to 92.00%;

$$\text{Monthly Transmission Charges } MTC(m) = Tmn * (AA/95\%)$$

- e. If Actual Transmission System Availability for the month m of contract year falls below 92%;

$$\text{Monthly Transmission Charges } MTC(m) = Tmn * (AA/95\%) - 0.02 * [Tmn * (AA/92\%)]$$

where:

- AA is the actual Availability, as certified by RPC, as per procedure provided in Schedule 6.
- m is the month in Contract Year ' n '
- Tmn = Transmission Charges for the month ' m ' in Contract Year ' n ' = $(\text{Transmission Charge} / \text{no. of days in the Year } n) * \text{no. of days in month } m$



Provided, no Transmission Charges shall be paid during the period for which the RLDC has not allowed the operation of the Element/Project due to the failure of the TSP to operate it as per the provisions of the Grid Code.

1.3 RLDC Fee & Charges

The payment of RLDC fee & charges, in accordance with relevant regulations of CERC, shall be the responsibility of the TSP.



Schedule: 5

Quoted Transmission Charges

[Quoted Transmission Charges from Annexure - 21 of the RFP of the Selected Bidder to be inserted here]

[To be incorporated from the Bid of the Selected Bidder submitted during the e-reverse auction after its selection]

Quoted Transmission Charges: Rs 1694.65 Million per annum

Proportionate Transmission Charges payable for each Element of the Project:

S. No.	Name of the Transmission Element	Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project
1.	Establishment of 765/400 kV, 4x1500 MVA (along with one spare unit of 500 MVA) Neemrana-II S/s along with 2x330 MVar (765 kV) Bus Reactor (along with one spare unit of 110 MVar) & 2x125 MVar (420kV) Bus Reactor at a suitable location near Neemrana.	100%
2.	Neemrana-II -Kotputli 400 kV D/c line (Quad)	
3.	2 no. of 400 kV line bays at Kotputli	
4.	LIL0 of both ckts of 400 kV Gurgaon (PG) - Sohna Road (GPTL) D/c line (Quad) at Neemrana-II S/s	



Schedule: 6

Appendix –II of the Central Electricity Regulatory Commission (Terms and Conditions of ____ Tariff) Regulations, 2019 as amended from time to time

Procedure for Calculation of Transmission System Availability Factor for a Month

1. Transmission system availability factor for nth calendar month ("TAF_{Pn}") shall be calculated by the respective transmission licensee, got verified by the concerned Regional Load Dispatch Centre (RLDC) and certified by the Member-Secretary, Regional Power Committee of the region concerned, separately for each AC and HVDC transmission system and grouped according to sharing of transmission charges. In case of AC system, transmission System Availability shall be calculated separately for each Regional Transmission System and inter-regional transmission system. In case of HVDC system, transmission System Availability shall be calculated on consolidate basis for all inter-state HVDC system.
2. Transmission system availability factor for nth calendar month ("TAF_{Pn}") shall be calculated by consider following:
 - i) **AC transmission lines:** Each circuit of AC transmission line shall be considered as one element;
 - ii) **Inter-Connecting Transformers (ICTs):** Each ICT bank (three single phase transformer together) shall form one element;
 - iii) **Static VAR Compensator (SVC):** SVC along with SVC transformer shall form one element;
 - iv) **Bus Reactors or Switchable line reactors:** Each Bus Reactors or Switchable line reactors shall be considered as one element;
 - v) **HVDC Bi-pole links:** Each pole of HVDC link along with associated equipment at both ends shall be considered as one element;
 - vi) **HVDC back-to-back station:** Each block of HVDC back-to-back station shall be considered as one element. If associated AC line (necessary for transfer of inter-regional power through HVDC back-to-back station) is not available, the HVDC back-to-back station block shall also be considered as unavailable;
 - vii) **Static Synchronous Compensation ("STATCOM"):** Each STATCOM shall be considered as separate element.



3. The Availability of AC and HVDC portion of Transmission system shall be calculated by considering each category of transmission elements as under:

TAFMin (in %) for AC system:

$$= \frac{o \times AV_o + (p \times AV_p) + (q \times AV_q) + (r \times AV_r) + (u \times AV_u)}{(o + p + q + r + u)} \times 100$$

Where,

- o = Total number of AC lines.
- AV_o = Availability of o number of AC lines.
- p = Total number of bus reactors/ switchable line reactors
- AV_p = Availability of p number of bus reactors/ switchable line reactors
- q = Total number of ICTs.
- AV_q = Availability of q number of ICTs.
- r = Total number of SVCs.
- AV_r = Availability of r number of SVCs
- u = Total number of STATCOM.
- AV_u = Availability of u number of STATCOMs

TAFMin (in %) for HVDC System:

$$= \frac{\sum_{x=1}^s Cxtp(act) \times AVxtp + \sum_{y=1}^t Cybtb(act) \times AVybtb}{\sum_{x=1}^s Cxtp + \sum_{y=1}^t Cybtb} \times 100$$

Where

- $Cxtp(act)$ = Total actual operated capacity of x^{th} HVDC pole
- $Cxtp$ = Total rated capacity of x^{th} HVDC pole
- $AVxtp$ = Availability of x^{th} HVDC pole
- $Cybtb(act)$ = Total actual operated capacity of y^{th} HVDC back-to-back station block
- $Cybtb$ = Total rated capacity of y^{th} HVDC back-to-back station block
- $AVybtb$ = Availability of y^{th} HVDC back-to-back station block
- s = Total no of HVDC poles
- t = Total no of HVDC Back to Back blocks



4. The availability for each category of transmission elements shall be calculated based on the weightage factor, total hours under consideration and non-available hours for each element of that category. The formulae for calculation of Availability of each category of the transmission elements are as per Appendix-III. The weightage factor for each category of transmission elements shall be considered as under:
- For each circuit of AC line – Number of sub-conductors in the line multiplied by ckt-km;
 - For each HVDC pole- The rated MW capacity x ckt-km;
 - For each ICT bank – The rated MVA capacity;
 - For SVC- The rated MVAR capacity (inductive and capacitive);
 - For Bus Reactor/switchable line reactors – The rated MVAR capacity;
 - For HVDC back-to-back station connecting two Regional grids- Rated MW capacity of each block; and
 - For STATCOM – Total rated MVAR Capacity.
5. The transmission elements under outage due to following reasons shall be deemed to be available:
- Shut down availed for maintenance of another transmission scheme or construction of new element or renovation/ upgradation/ additional capitalization in existing system approved by the Commission. If the other transmission scheme belongs to the transmission licensee, the Member Secretary, RPC may restrict the deemed availability period to that considered reasonable by him for the work involved. In case of dispute regarding deemed availability, the matter may be referred to Chairperson, CEA within 30days.
 - Switching off of a transmission line to restrict over voltage and manual tripping of switched reactors as per the directions of concerned RLDC.
6. For the following contingencies, outage period of transmission elements, as certified by the Member Secretary, RPC, shall be excluded from the total time of the element under period of consideration for the following contingencies:
- Outage of elements due to acts of God and force majeure events beyond the control of the transmission licensee. However, whether the same outage is due to force majeure (not design failure) will be verified by the Member Secretary, RPC. A reasonable restoration time for the element shall be considered by Member Secretary, RPC and any additional time taken by the transmission licensee for restoration of the element beyond the reasonable time shall be



treated as outage time attributable to the transmission licensee. Member Secretary, RPC may consult the transmission licensee or any expert for estimation of reasonable restoration time. Circuits restored through ERS (Emergency Restoration System) shall be considered as available;

- ii) Outage caused by grid incident/disturbance not attributable to the transmission licensee, e.g. faults in substation or bays owned by other agency causing outage of the transmission licensee's elements, and tripping of lines, ICTs, HVDC, etc. due to grid disturbance. However, if the element is not restored on receipt of direction from RLDC while normalizing the system following grid incident/disturbance within reasonable time, the element will be considered not available for the period of outage after issuance of RLDC's direction for restoration;

Provided that in case of any disagreement with the transmission licensee regarding reason for outage, same may be referred to Chairperson, CEA within 30 days. The above need to be resolved within two months;

Provided further that where there is a difficulty or delay beyond sixty days, from the incidence in finalizing the recommendation, the Member Secretary of concerned RPC shall allow the outage hours on provisional basis till the final view.

7. Time frame for certification of transmission system availability: (1) Following schedule shall be followed for certification of availability by Member Secretary of concerned RPC:

- Submission of outage data by Transmission Licensees to RLDC/constituents – By 5th of the following month;
- Review of the outage data by RLDC / constituents and forward the same to respective RPC– by 20th of the month;
- Issue of availability certificate by respective RPC – by 3rd of the next month.



Appendix-III

FORMULAE FOR CALCULATION OF AVAILABILITY OF EACH CATEGORY OF TRANSMISSION ELEMENTSFor AC transmission system

$$AV_o(\text{Availability of } o \text{ no. of AC lines}) = \frac{\sum_{i=1}^o W_i T_i - TNA_{o,i} T_i}{\sum_{i=1}^o W_i}$$

$$AV_q(\text{Availability of } q \text{ no. of ICTs}) = \frac{\sum_{k=1}^q W_k T_k - TNA_{q,k} T_k}{\sum_{k=1}^q W_k}$$

$$AV_r(\text{Availability of } r \text{ no. of SVCs}) = \frac{\sum_{i=1}^r W_i T_i - TNA_{r,i} T_i}{\sum_{i=1}^r W_i}$$

$$AV_p(\text{Availability of } p \text{ no. of Switched Bus reactors}) = \frac{\sum_{m=1}^p W_m T_m - TNA_{p,m} T_m}{\sum_{m=1}^p W_m}$$

$$AV_u(\text{Availability of } u \text{ no. of STATCOMs}) = \frac{\sum_{n=1}^u W_n T_n - TNA_{u,n} T_n}{\sum_{n=1}^u W_n}$$

$$AV_{xhp}(\text{Availability of an individual HVDC pole}) = \frac{(T_x - TNA_{p,x})}{T_x}$$

$$AV_{yhb}(\text{Availability of an individual HVDC Back-to-back Blocks}) = \frac{(T_y - TNA_{p,y})}{T_y}$$

For HVDC transmission system

For the new HVDC commissioned but not completed twelve months:

For first 12 months: $[(AV_{xhp} \text{ or } AV_{yhb}) \times 95\% / 85\%]$, subject to ceiling of 95%.

Where,

- o = Total number of AC lines;
- AV_o = Availability of o number of AC lines;
- p = Total number of bus reactors/switchable line reactors;
- AV_p = Availability of p number of bus reactors/switchable line reactors;
- q = Total number of ICTs;
- AV_q = Availability of q number of ICTs;
- r = Total number of SVCs;
- AV_r = Availability of r number of SVCs;
- u = Total number of STATCOM;



AV_u	=	Availability of u number of STATCOMs;
W_l	=	Weightage factor for l th transmission line;
W_k	=	Weightage factor for k th ICT;
W_l	=	Weightage factors for inductive & capacitive operation of l th SVC;
W_m	=	Weightage factor for m th bus reactor;
W_n	=	Weightage factor for n th STATCOM

T_l, T_k, T_l, \dots
 T_m, T_n, T_k, T_y

The total hours of j th AC line, k th ICT, l th SVC, m th Switched Bus Reactor & n th STATCOM, x th HVDC pole, y th HVDC back-to-back blocks during the period under consideration (excluding time period for outages not attributable to transmission licensee for reasons given in Para 5 of the procedure)

T_{total}, T_{avail}
 T_{total}, T_{avail}
 $T_{total}, T_{avail}, T_{total}$

The non-availability hours (excluding the time period for outages not attributable to transmission licensee taken as deemed availability as per Para 5 of the procedure) for l th AC line, k th ICT, l th SVC, m th Switched Bus Reactor, n th STATCOM, x th HVDC pole and y th HVDC back-to-back block.



Schedule: 7

Entire Bid (both financial bid and technical bid) of the Selected Bidder to be attached here

Central Transmission Utility of India Limited



140

Neemrana II Kotputli Transmission Limited



|December, 2023

Schedule: 8

Contract Performance Guarantee

~~{To be on non-judicial stamp paper of appropriate value as per Stamp Act relevant to place of execution. Foreign entities submitting Bids are required to follow the applicable law in their country.}~~

In consideration of the [Insert name of the SPV or Selected Bidder on behalf of the TSP, or Lead Member in case of the Consortium, with address] agreeing to undertake the obligations under the Transmission Service Agreement dated and the other RFP Project Documents and the Nodal Agency and the PFC Consulting Limited, agreeing to execute the RFP Project Documents with the Selected Bidder, regarding settling up the Project, the [Insert name and address of the bank issuing the guarantee and address of the head office] (hereinafter referred to as "Guarantor Bank") hereby agrees unequivocally, irrevocably and unconditionally to pay to (being the Nodal Agency) at [Insert the Place from the address of the Nodal Agency indicated in the TSA] forthwith on demand in writing from the Nodal Agency or any Officer authorized by it in this behalf, any amount up to and not exceeding Rupees Crores (Rs.) only [Insert the amount of the bank guarantee] on behalf of M/s. [Insert name of the Selected Bidder or SPV].

This guarantee shall be valid and binding on the Guarantor Bank up to and including and shall not be terminable by notice or any change in the constitution of the Bank or the term of the Transmission Service Agreement or by any other reasons whatsoever and our liability hereunder shall not be impaired or discharged by any extension of time or variations or alternations made, given, or agreed with or without our knowledge or consent, by or between parties to the respective agreement.

Our liability under this Guarantee is restricted to Rs. Crores (Rs.) only. Our Guarantee shall remain in force until [Insert the date of validity of the Guarantee as per Article 3.1.2 of this Agreement]. The Nodal Agency, shall be entitled to invoke this



Transmission Service Agreement

Guarantee up to three hundred sixty five (365) days of the last date of the validity of this Guarantee.

The Guarantor Bank hereby expressly agrees that it shall not require any proof in addition to the written demand from (in its roles as the Nodal Agency), made in any format, raised at the above mentioned address of the Guarantor Bank, in order to make the said payment to Nodal Agency.

The Guarantor Bank shall make payment hereunder on first demand without restriction or conditions and notwithstanding any objection by [Insert name of the Selected Bidder], [Insert name of the TSP] and / or any other person. The Guarantor Bank shall not require Nodal Agency to justify the invocation of this BANK GUARANTEE, nor shall the Guarantor Bank have any recourse against Nodal Agency in respect of any payment made hereunder.

THIS BANK GUARANTEE shall be interpreted in accordance with the laws of India.

The Guarantor Bank represents that this BANK GUARANTEE has been established in such form and with such content that it is fully enforceable in accordance with its terms as against the Guarantor Bank in the manner provided herein.

THIS BANK GUARANTEE shall not be affected in any manner by reason of merger, amalgamation, restructuring, liquidation, winding up, dissolution or any other change in the constitution of the Guarantor Bank.

THIS BANK GUARANTEE shall be a primary obligation of the Guarantor Bank and accordingly Nodal Agency shall not be obliged before enforcing this BANK GUARANTEE to take any action in any court or arbitral proceedings against SPV or the Selected Bidder, as the case may be, to make any claim against or any demand on SPV or the Selected Bidder, as the case may be, or to give any notice to SPV or the Selected Bidder, as the case may be, or to enforce any security held by the Nodal Agency or to exercise, levy or enforce any distress, diligence or other process against SPV or the Selected Bidder, as the case may be.

The Guarantor Bank acknowledges that this BANK GUARANTEE is not personal to Nodal Agency and may be assigned, in whole or in part, (whether absolutely or by way of security) by Nodal Agency to any entity to whom the Nodal Agency is entitled to assign its rights and obligations under the Transmission Service Agreement.



Transmission Service Agreement

The Guarantor Bank hereby agrees and acknowledges that Nodal Agency shall have a right to invoke this Bank Guarantee either in part or in full, as it may deem fit.

Notwithstanding anything contained hereinabove, our liability under this Guarantee is restricted to Rs. Crores (Rs.) only and it shall remain in force until [Date to be inserted on the basis of Article 3.1.2 of the Transmission Service Agreement], with an additional claim period of three hundred sixty five (365) days thereafter. This BANK GUARANTEE shall be extended from time to time for such period, as may be desired by [Insert name of the Selected Bidder or Lead Member in case of the Consortium or SPV]. We are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee only if Nodal Agency serves upon us a written claim or demand.

In witness where of:

Signature

Name:

Power of attorney No.:

For:

..... (Insert Name of the Bank)

Banker's Seal and Full Address, Including mailing address of the Head Office



Schedule: 9**Methodology for determining the Relief Under Force Majeure Event & Change In Law
—during Construction Period—**

The relief in the form of revision in tariff due to Force Majeure Event leading to extension of Scheduled COD for a period beyond one hundred eighty (180) days and/ or Change in Law during the construction period shall be as under:

$$\Delta T = [(P \times d)] \div [1 - (1 + d)^{-n}]$$

Where,

ΔT = Change in Transmission Charges for each year

P = Sum of cumulative increase or decrease in the cost of the Project due to Change in Law and interest cost during construction corresponding to the period exceeding one hundred eighty (180) due to Force Majeure Event leading to extension of Scheduled COD for a period beyond one hundred eighty (180) days

n = number of years over which the Transmission Charges has to be paid

d = Discount rate as notified by the CERC, applicable on the Bid Deadline

The increase in Transmission Charges as stated above shall be applicable only if the value of Increase in Transmission Charges as calculated above exceeds 0.30% (zero point three percent) of the quoted Transmission Charges of the TSP.





RFP Invoice



PFC CONSULTING LTD.

पीएफसी कंसल्टिंग लिमिटेड
(पावर फाइनेंस कॉर्पोरेशन लिमिटेड की, पूर्णतः स्वयंनिर्भर सहायक कंपनी)
PFC CONSULTING LIMITED
(A wholly owned subsidiary of Power Finance Corporation Limited)
CIN U74140DL2008GCN175858

TAX INVOICE

ORIGINAL FOR RECIPIENT

No. MISC/22-23/52

Date : March 31, 2023

Assignment: ITPS- Transmission system for evacuation of power from Rajasthan REZ Ph-IV
(Part-1) (Bikaner Complex)- Part-B

Reference: Gazette Notification - Ministry of Power dated January 19, 2023
HSN Code: 998399

Details of Provider		Details of Recipient	
GSTIN:	07AAECP61B2F12C	Kind Attention:	Sterlite Grid 32 Limited
PAN:	AAECP61B2F	Name of the Recipient:	Sterlite Grid 32 Limited
State:	Delhi	Address:	DLF Cyber Park, Tower-B, 9th Floor, Udyog Vihar Ph-II, Sector-20, Gurugram,
Code:	7	GSTIN/UID:	N/A
Date of Supply:	15.03.2023	PAN:	ABIC5614A
Place of Supply:	Haryana	State:	Haryana
		Code:	6
IRN:	N/A		

Reverse Charge: Not Applicable
Mode of Payment: DD/Cheque/RTGS
Bank Details: ICICI Bank
A/C No. 000705036117
IFSC Code: ICIC0000007
9A, Phelps Building, Connaught Place,
New Delhi-110001

Description of Supply/Services	Taxable Amount
Sale of RFP Documents	Rs.5,00,000/-
Fee Payable	Rs.5,00,000/-
Add: IGST 18%	Rs.90,000/-
Total Amount Payable	Rs.5,90,000/-
Rupees Five Lakh Ninety Thousand Only	

For PFC CONSULTING LTD.



Note: Invoice No. 3. RFP is enclosed



V.N.D. MANAVALAN
(Authorised Signatory)

पंजीकृत कार्यालय : प्रथम तल 'ऊर्जाविधि', 1, बाराखम्बा रोड, कनॉट प्लेस, नई दिल्ली-110001
Branch Office - First Floor 'Ujjanivithi' 1 Barakhamba Lane, Connaught Place, New Delhi-110001

Annexure 1 – Covering Letter



Annexure 1 – Covering Letter

Date : 05-10-2023
From : Sterlite Grid 32 Limited
 DLF Cyber Park, Tower-B, 9th Floor,
 Udyog Vihar Phase-III, Sector-20,
 Gurugram-122008, Haryana
Tel. No. : +91-124 456 2000
Fax No. : +91-124 456 2000
Email Address : Sterlite.bd@sterlitepower.com

To,

To,
PFC Consulting Limited
 9th Floor, Wing-A, Statesman House,
 Connaught Place, New Delhi - 110001

Dear Sir,

Sub: Bid for selection of Bidder as Transmission Service Provider to establish Inter-State Transmission System for "Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-I) (Bikaner Complex): Part-B" through tariff based competitive bidding process.

1. Being duly authorized to present and act on behalf of M/s Sterlite Grid 32 Limited (Bidding Company) (hereinafter called the "Bidder") and having read and examined in detail the Request for Proposal (RFP) document, the undersigned hereby submit our Technical Bid with duly signed formats and Financial Bid (Initial Offer) as stipulated in RFP document for your consideration.
2. It is confirmed that our Bid is consistent with all the requirements of submission as stated in the RFP document and subsequent clarifications/amendments as per Clause 2.3 and 2.4 of RFP.
3. The information submitted in our Bid is complete, is strictly as per the requirements stipulated in the RFP document and is correct to the best of our knowledge and understanding. We would be solely responsible for any errors or omissions in our Bid.
4. We hereby agree and undertake to procure the products associated with the Transmission System as per provisions of Public Procurement (Preference to Make in India) orders issued by Ministry of Power vide orders No. 11/5/2018 - Coord. dated 28.07.2020 for transmission sector, as amended from time to time read with Department for Promotion of Industry and Internal Trade (DPIIT) orders in this regard.

We hereby also agree and undertake to comply with Department of Expenditure, Ministry of Finance vide Order (Public Procurement No. 1) bearing File No. 6/18/2019-PPD dated 23.07.2020, Order (Public Procurement No. 2) bearing File No. 6/18/2019-PPD dated 23.07.2020 and Order (Public Procurement No. 3) bearing File No. 6/18/2019-PPD, dated 24.07.2020, as amended from time to time, regarding public procurement from a bidder of a country, which shares land border with India.

We hereby agree to comply with Ministry of Power order no. 25-11/6/2018 – PG dated 02.07.2020 as amended from time to time.



6. We are herewith submitting legally binding board resolution for the total equity requirements of the Project.
7. We hereby confirm that in accordance with Clause 2.1.4 of the RFP, we are herewith submitting legally binding undertaking supported by a board resolution from the Sterlite Power Transmission Limited (Parent Company) that all the equity investment obligations of M/s Sterlite Grid 32 Limited (Bidding Company) shall be deemed to be equity investment obligations of the Sterlite Power Transmission Limited (Parent Company) and in the event of any default by M/s Sterlite Grid 32 Limited (Bidding Company), the same shall be met by Sterlite Power Transmission Limited (Parent Company).
8. We confirm that there are no litigations or disputes against us, which materially affect our ability to fulfill our obligations with regard to the Project.
9. We hereby confirm that we shall continue to maintain compliance with Qualification Requirements till the execution of the Transmission Service Agreement. Further, in case we emerge as Selected Bidder for the Project, we shall continue to maintain compliance with Qualification Requirements till the COD of the Project.
10. We confirm that we have studied the provisions of relevant Indian laws and regulations required to enable us to build, own, operate and transfer the said Project and to prepare this Bid.
11. We hereby confirm that we shall abide unreservedly with BPC's decision in the qualification process for selection of Qualified Bidder and further warrant that under no circumstances we shall challenge either the BPC's decision or its right to make such decision at any time in the future.
12. We confirm that the Bid shall remain valid for a period of one eighty (180) days from the Bid Deadline.
13. The details of contact person are furnished as under:

Name	: Mayank Bhavnagar
Designation	: Authorized Signatory
Name of the Company	: Sterlite Grid 32 Limited
Address of the Bidder	: DLF Cyber Park, Tower-B, 9th Floor, Udyog Vihar Phase-III, Sector-20, Gurugram -122008, Haryana
Phone Nos.	: +91-124 456 2000
Fax Nos.	: +91-124 456 2000
E-mail Address	: Sterlite.bd@sterlitepower.com



14. Bid Bond

We have enclosed a Bid Bond of Rs. 18.20 Crore (Rupees Eighteen Crore Twenty Lakh Only), only or equivalent USD), in the form of bank guarantee no 2534IGB001936513 dated 04.10.2023 as per your proforma (Annexure-14) from Bank of Baroda and valid up to 31-03-2024, as per Clause 2.11 of the RFP



Acceptance

We hereby unconditionally and irrevocably agree and accept that the decision made by the BPC

Registered Office: DLF Cyber Park, Tower-B, 9th Floor, Udyog Vihar, Phase-III, Sector-20, Gurugram-122008, Haryana
CIN: U40106HR2022PLC1097981 www.sterlitepower.com E-mail id: corporate@sterlite.com



on any matter regarding or arising out of the RFP shall be binding on us. We hereby expressly waive any and all claims in respect of Bid process.

16. Familiarity with Relevant Indian Laws & Regulations

We confirm that we have studied the provisions of relevant Indian laws and regulations as required to enable us to submit this Bid and execute the RFP Project Documents (other than TSA), in the event of our selection as the TSP. We further undertake and agree that all such factors as mentioned in Clause 2.5.7 of RFP have been fully examined and considered while submitting the Bid.

It is confirmed that our Bid is consistent with all the requirements of submission as stated in the RFP and subsequent communications from BPC.

The information submitted in our Bid is complete, strictly as per the requirements stipulated in the RFP and is correct to the best of our knowledge and understanding. We would be solely responsible for any errors or omissions in our Bid.

We confirm that we have not taken any deviation so as to be deemed non-responsive with respect to the provisions stipulated at Clause 2.5.1, of this RFP.

Thanking you,
Yours sincerely,



(Name and Signature of the authorized signatory in whose name Power of Attorney/ Board Resolution as per Clause 2.5.2 is issued)

Name : Mayank Bhutnagar
Designation : Authorized Signatory
Address : DLF Cyber Park, Tower-B, 9th Floor,
Udyog Vihar Phase-III, Sector-20,
Gurugram-122008, Haryana
Date : 05-10-2023
Place : Gurugram

Company Rubber Stamp



**Annexure 3- Evidence of authorized signatory's
authority (Power of Attorney)**





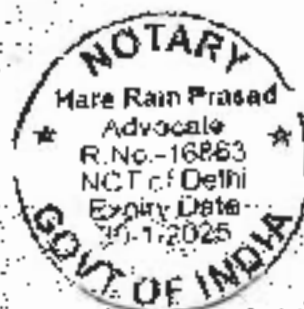
सत्यमेव जयते

INDIA NON JUDICIAL

Government of National Capital Territory of Delhi

e-Stamp

Certificate No.	JH-DLS7700021057406V
Certificate Issued Date	28-Aug-2023 04:19 PM
Account Reference	IMPACC (IV)/dl1074803/DELHI/DL/DLH
Unique Doc. Reference	SUBIN-DL1DL107480362610876348223V
Purchased by	STERLITE GRID 32 LIMITED
Description of Document	Article 48(c) Power of attorney - GPA
Property Description	Not Applicable
Consideration Price (Rs.)	0 (Zero)
First Party	STERLITE GRID 32 LIMITED
Second Party	Not Applicable
Stamp Duty Paid By	STERLITE GRID 32 LIMITED
Stamp Duty Amount (Rs.)	100 (One Hundred only)



POWER OF ATTORNEY

Know all men by these presents, We M/s Sterlite Grid 32 Limited having registered office at DLF Cyber Park Tower-B, 9th Floor, Udyog Vihar Phase-III, Sector-20, Gurugram-122008, Haryana, India do hereby constitute, appoint Mr. Mayank Bhatnagar residing at B1-803, Uniworld Garden II, Sector 47, Gurgaon, and Mr. Chandan Dutt residing at Flat No. L-604, Great Value Shoranam, Sector 107, Noida, who are presently employed with us and holding the position of Authorized Signatory as our attorney, to do in our name and on our behalf, all such acts, deeds and things necessary in connection with or incidental to our Bid for selection of Bidder as Transmission Service Provider to establish Inter-State Transmission System for "Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-I) (Bikaner Complex): PART-B" based competitive bidding in the



Attest: _____

1. This is the date of the e-stamp and the date of the document.
2. The e-stamp is the only valid proof of the document.
3. The e-stamp is the only valid proof of the document.
4. The e-stamp is the only valid proof of the document.

country of India, including signing and submission of all documents related to the Bid, including undertakings, letters, certificates, acceptances, clarifications, guarantees, etc., making representations to the BPC, and providing information / responses to the BPC, representing us in all matters before the BPC, and generally dealing with the BPC in all matters in connection with our Bid for the said Project till the completion of the bidding process in accordance with the RFP and signing of the Share Purchase Agreement by all the parties thereto.

We hereby agree to ratify all acts, deeds and things lawfully done by our said attorney pursuant to this Power of Attorney and that all acts, deeds and things done by our aforesaid attorney shall and shall always be deemed to have been done by us.

All the terms used herein but not defined shall have the meaning ascribed to such terms under the RFP

For Sterlite Grid 32 Limited

(Signature of the executant)

Name : Kamlesh Garg
Designation : Director
DIN - : 09064169



Accepted

(Signature of the Attorney)

Name : Mayank Bhutnagar
Designation : Authorised Signatory
Address : B1-803, Uniworld Garden II, Sector 47, Gurgaon -122018



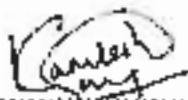
(Signature of the Attorney)

Name : Chandan Dutt
Designation : Authorised Signatory
Address : Flat No. L-604, Great Value Sharanam, Sector 107, Noida



Specimen signatures of attorney Attested

Common Seal of Sterlite Grid 32 Limited has been affixed in my presence, pursuant to the Board of Director's resolution dated May 09, 2023.




(Signature of the executant)

Name : Kamlesh Garg

Designation : Director

DIN - : 09064169

(Signature of Notary Public)

Place :

Date : 01-09-2023



Notes:

- 1) To be executed by Bidding Company or the Lead Member, in the case of a Bidding Consortium, as the case maybe.
- 2) The mode of execution of the Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant(s) and when it is so required, the same should be under common seal of the executant affixed in accordance with the applicable procedure. Further, the person whose signatures are to be provided on the power of attorney shall be duly authorized by the executant(s) in this regard.
- 3) Also, wherever required, the executant(s) should submit for verification the extract of the charter documents and documents such as a Board resolution / power of attorney, in favour of the Person executing this power of attorney for delegation of power hereunder on behalf of the executant(s).
- 4) In case of foreign Bidders, refer to clause 2.5.6 (p)

ATTESTED

NOTARY PUBLIC
NCT OF DELHI



01 SEP 2023

CERTIFIED TRUE COPY OF THE RESOLUTION PASSED BY THE BOARD OF DIRECTORS OF STERLITE GRID 32 LIMITED ON MAY 09, 2023

Power of attorney for submission of Request for Proposal

"RESOLVED THAT consent of the Board of Directors of the Company be and is hereby accorded to submit bid/proposal in response to the Single Stage Request for Proposal ("RFP") document issued for tenders floated by the PFC Consulting Limited ("PFCCL") to establish Inter-State Transmission System for "Transmission System for Evacuation of Power from Rajasthan REZ PH-IV (Part-I) (Bikaner Complex): Part-B".

FURTHER RESOLVED THAT Directors or RMP, if any, of the Company be and are hereby authorized to delegate authority in favour of representatives of the Company by way of letter of authority / power of attorney or any other document of similar nature, as may be acceptable to the concerned authority and the same shall be valid and effective unless amended / modified / revoked or shall be exercisable so long as they continue to be in employment / engagement of the Company.

FURTHER RESOLVED THAT any of the Directors of the Company, be and are hereby severally authorized to issue Power of Attorney in favor of Ms. Rukmani Vishwanath, Mr. Chandan Dutt and Mr. Mayank Bhatnagar for signing (including digital signature) of all the required documents in response to Single Stage RFP document issued for tender floated by the PFCCL and deal/negotiate with the Bid Process Coordinators or Project In-charge or any other authority and particularly to do the following:-

1. To represent the Company in negotiating with PFCCL for submission of bid in the tender.
2. To execute all documents to be submitted in response to the Single Stage RFP document.
3. To sign (including digital signature) any other necessary documents, undertakings and submit the bid in the tender.
4. To make the offers, price revisions after submission of the bid.
5. To do all such acts, matters, deeds and things as may be deemed necessary for the purpose of bidding in the tender.

FURTHER RESOLVED THAT the directors, Key Managerial Personnel's, for the time being, of the company and/or Ms. Rukmani Vishwanath, Mr. Chandan Dutt and Mr. Mayank Bhatnagar ("Authorized Signatories") be and are hereby severally authorized to take all the necessary decisions and sign (including digital signature), execute, submit, deal, communicate, issue letters, etc., with respect to EOIs/RFCs/RFPs/Bid responses, closure, etc., anywhere in India and any other documents which are required to be signed by Director or authorized signatory of the Company, provided that if any such document requires affixation of Common Seal, then the seal may be affixed on such document in the presence of Director/ Authorized signatories of the Company.

FURTHER RESOLVED THAT if so required, any of the Directors or Ms. Rukmani Vishwanath, Mr. Chandan Dutt and Mr. Mayank Bhatnagar (authorized signatories) of the Company be and are hereby severally authorized to carry the Common Seal to any place within India to affix the same on any of the documents requiring affixation of Common Seal of the Company.



Sterlite Grid 32 Limited, Old Cyber Park, Tower-B, 9th Floor, Udyog Vihar,
Phase-II, Sector-20, Gurugram-122008, Haryana India +91 0124 4642 500

Sterlite Power

FURTHER RESOLVED THAT all the actions taken by the Attorney under the aforesaid Power of Attorney will be binding on the Company.

FURTHER RESOLVED THAT the Common Seal of the Company be affixed to the Power of Attorney in the presence of any Director or authorized signatories of the Company.

FURTHER RESOLVED THAT copy of the aforesaid resolution, duly certified by any Director of the Company be furnished to the concerned authorities, wherever necessary."

For Sterlite Grid 32 Limited

KAMLES Authorized Signatory
Director
H GARG Director

Kamlesh Garg

Director

DIN- 09064169

Add- A3-202 Nandini Apartment,

Near Sidhi Vinayak Mandir,

Vesubhva Road Abhya, Surat-395007



Sterlite Grid 32 Limited, DLF Cyber Park, Tower-B, 8th Floor, Udyog Vihar,
Phase-III, Sector-20, Gurugram-122006, Haryana India +91 0124 4562 000

SterlitePower

Date: 04 OCT 2023

To,

Chief Executive Officer,
PFC Consulting Limited
9th Floor, A-Wing,
Statesman House, Connaught Place,
New Delhi - 110001, India

Sub.: Certificate

Dear Sir,

I, Salkrishna Bendapudi, Director of Sterlite Grid 32 Limited do hereby certify that:

- The Company does not have a Managing Director/Whole-Time Director/Chief Executive Officer.
- The Company also does not have a Company Secretary.

Yours faithfully,

For Sterlite Grid 32 Limited



Salkrishna Bendapudi
Director
DIN: 07963664



To,

**Chief Executive Officer,
PFC Consulting Limited
9th Floor, A-Wing,
Statesman House, Connaught Place,
New Delhi - 110001, India**


Sub: Confirmation and Certification by Director

Dear Sir,

I, Salkrishna Bendapudi, Director of Sterlite Grid 32 Limited do confirm and certify as follows:-

- The Board of Directors of the Company in their meeting held on May 9, 2023, appointed Mr. Mayank Bhatnagar, Ms. Rukmani Vishwanath and Mr. Chandan Dutt as authorized signatories. Further, Ms. Rukmani Vishwanath has resigned from the services of the organization.
- This is to certify that the Company does not have a Managing Director or Whole-time Director and Manager. Also, the Company is not required to have Managing Director, Manager or Whole-time Director.
- The Company has not appointed a Company Secretary. Further, pursuant to the provisions of Section 203 of Companies Act 2013 read with Companies (Appointment and Remuneration of Managerial Personnel) Rules, 2014, the Company is not compulsorily required to appoint a Company Secretary.
- This is to confirm that resolution passed by the Board of Directors of the Company on May 9, 2023, thereby allowing issuance of Power of Attorney in favor Mr. Mayank Bhatnagar, and Mr. Chandan Dutt, Authorized Signatories of the Company for RFP floated by PFC Consulting Limited to establish Inter-State Transmission System for "Transmission System for Evacuation of Power from Rajasthan REZ PH-IV (Part-1) (Bikaner Complex): Part-B" is valid and subsisting as on date.
- That the Company undertakes that subsequent to the execution of Share Purchase Agreement for acquisition of the SPV, the provisions of Transmission Service Agreement shall be adhered to by the Bidder.

For Sterlite Grid 32 Limited


Salkrishna Bendapudi
Director
DIN: 07963664



04 OCT 2023



Sterlite Grid 32 Limited, DLF Cyber Park Tower-B, 9th Floor, Udyog Vihar
Phase-III, Sector-20, Gurugram-122008, Haryana India -91 0124 4362 000

Sterlite Power

CERTIFIED TRUE COPY OF RESOLUTION PASSED BY THE BOARD OF DIRECTOR OF STERLITE GRID 32 LIMITED ON JULY 26, 2023

Revocation of Power/Authorities Granted to Mr. Naveen Bothra, Ms. Rukmani Viswanath and Mr. Siddharth Mehta

"RESOLVED THAT all powers, authorities and/or rights granted to Mr. Naveen Bothra, Ms. Rukmani Viswanath and Mr. Siddharth Mehta who have tendered their resignation from the services of Sterlite Power Transmission Limited ("SPTL"), be and are hereby revoked, withdrawn and rescinded in all respects such that they are no longer authorized to act on behalf of the Company with effect from the last day of their employment with SPTL.

RESOLVED FURTHER THAT the Directors of the Company, be and are hereby severally authorized to intimate the banks, vendors, and other statutory authorities or concerned parties regarding such revocation of authorities and that the Company shall not be responsible for any action done by the concerned vendors or the statutory authorities under the signatures of aforementioned official after the last day of their association with SPTL.

RESOLVED FURTHER THAT a certified true copy of this resolution duly certified by any of the Directors of the Company, may be issued to the concerned authorities/ offices/ parties etc. as may be required."

For and on behalf of Sterlite Grid 32 Limited

**KAMLESH
GARG**

Digitally signed by Kamlesh Garg
DN: cn=Kamlesh Garg, o=Sterlite Grid 32 Limited, email=kamlesh.garg@sterlitepower.com, c=IN
Reason: I am the author of this document and I am authorized to sign it.
I have not included a signature image because it is not required for this document.
Date: 2023.07.26 11:11:11 +05'30'

Kamlesh Garg

Director

DIN- 09064169

Address- A3-202 Mandini Apartment,
Near Sidhi Vinayak Mandir,
Vesuvahva Road Abhya, Surat-395007



Registered Office: DLF Cyber Park, Tower-B, 9th Floor, Udyog Vihar, Phase III, Sector-20, Gurugram, Haryana-122008, India

CIN: U06106HR2022PLC103796 | www.sterlitepower.com

Annexure 5- Bidder's composition and ownership structure



ANNEXURE 5 - FORMAT FOR BIDDER'S COMPOSITION AND OWNERSHIP STRUCTURE

I. Corporate Details:

Please provide the following information for the Bidder. If the Bidder is a Consortium, please provide this information for each Member including the Lead Member:

a. Company's Name, Address, and Nationality:

Name : Sterlite Grid 32 Limited
Address : DLF Cyber Park, Tower-B 9th Floor, Udyog Vihar,
Phase III, Sector-20, Gurgaon, Gurgaon, Haryana,
India, 122008
Website Address : N/A
Country of Origin : India

b. Year Organized : 2022

c. Company's Business Activities Power distribution business of manufacture, design, planning, development, engineering, marketing, import and export, purchase, sale, transfer, lease, assemble, install, commission, maintain, repair, operation, trading, transmission, investment, investigation, research, consultancy, management of power transmission towers, antennae, transmitters, insulators and all kinds of equipment required in generation, transmission and storage of power and undertake turnkey contracts for erecting power distribution network; energy conservation projects and power houses plants and to carry on business of generation, transmission, distribution, supply, storage, trade in power by conventional and non-conventional methods and to construct, establish, run power stations and to acquire or invest in companies/entities who are carrying out any of the aforesaid activities.

d. Status as a Bidder:

- i. Bidding Company ✓
 - ii. Lead Member of the Bidding Consortium
 - iii. Member of the Bidding Consortium
- Note: tick the applicable serial number

e. Company's Local Address in India (if applicable):

DLF Cyber Park, Tower-B, 9th Floor,
Udyog Vihar Phase-III, Sector-20,
Gurugram -122008, Haryana

f. Name of the Authorised Signatory: Mayank Bhatnagar

- g. Telephone Number : +91-124 456 2000
- h. Email Address : sterlite.ltd@sterlitepower.com
- i. Telefax Number : +91-124 456 2000
- j. Please provide the following documents:

Copy of the Memorandum and Articles of Association and certificate of incorporation or other equivalent organizational document (as applicable) including their amendments certified by the Company Secretary as



Attachment 1 for Bidding Company / each Member of Bidding Consortium including Lead Member.

- ii. Authority letter (as per format for authorization given below) in favor of BPC from the Bidder/~~every Member of the Consortium~~ authorizing BPC to seek reference from their respective bankers & others as Attachment 2 as per Clause 2.1.6 of the RFP.

2. Details of Ownership Structure:

Equity holding of Bidding Company/ ~~each Member of Bidding Consortium~~ including Lead Member owning 10% or more of total paid up equity.

Name of the Bidding Company / ~~Consortium Member~~: Sterlite Grid 32 Limited
Status of equity holding as on 29-09-2023

Sr. No.	Name of the Equity Holder	Type of Shares	No. of Shares	Extent of Voting Control (%)
1	Sterlite Power Transmission Limited ("SPTL")	Equity	1,49,994	100.00
2	Mr. Amarendranath Tatimakula Reddy (as a nominee of SPTL)	Equity	01	00.00
3	Ms. Upasna (as a nominee of SPTL)	Equity	01	00.00
4	Ms. Parkhuri Warange (as a nominee of SPTL)	Equity	01	00.00
5	Ms. Shipi Rungta (as a nominee of SPTL)	Equity	01	00.00
6	Ms. Nikita Gupta (as a nominee of SPTL)	Equity	01	00.00
7	Mr. Pradeep Sand (as a nominee of SPTL)	Equity	01	00.00
	Total		150,000	100.000

Notes:

1. The above table is to be filled in separately for each Consortium Member.
2. Status of equity holding should be provided not earlier than thirty (30) days prior to Bid Deadline.

For and on behalf of Bidding Company / ~~Lead Member of the Bidding Consortium~~
M/s Sterlite Grid 32 Limited

(Signature of authorized representative)

Name: Mayank Bhatnagar

Designation: Authorized Signatory

Date: 04-10-2023

Place: Gurugram



To,

Chief Executive Officer,
PFC Consulting Limited
9th Floor, A-Wing,
Statesman House, Connaught Place,
New Delhi - 110001, India

Subject – Certification under Companies Act, 2013

I, Sankrishna Bandopadhi, being the duly appointed Director of Sterlite Grid 32 Limited, a Company registered under the Companies Act, 2013, do hereby certify that -

- Sterlite Power Transmission Limited holds 1,50,000 (100%) Equity Shares having voting rights in Sterlite Grid 32 Limited in the following manner-

Sr. No.	Name of the Equity Holder	Type of Shares	No. of Shares	Extent of Voting Control (%)
1	Sterlite Power Transmission Limited ("SPTL")	Equity	1,49,994	100.00
2	Mr. Amarendranath Tatimaskula Reddy (as a nominee of SPTL)	Equity	01	00.00
3	Ms. Upasna (as a nominee of SPTL)	Equity	01	00.00
4	Ms. Pankhuri Wanjare (as a nominee of SPTL)	Equity	01	00.00
5	Ms. Shilpi Rungta (as a nominee of SPTL)	Equity	01	00.00
6	Ms. Nikita Gupta (as a nominee of SPTL)	Equity	01	00.00
7	Mr. Pradeep Sand (as a nominee of SPTL)	Equity	01	00.00
	Total		1,50,000	100.00

- The Board of Directors of the Company in their meeting held on May 9, 2023 have appointed Mr. Chandan Dutt and, Mr. Mayank Bhatnagar as authorized signatories of the Company.
- The Company has not appointed a Company Secretary. Further, pursuant to the provisions of Section 203 of Companies Act 2013 read with Companies (Appointment and Remuneration of Managerial Personnel) Rules, 2014, the Company is not compulsorily required to appoint a Company Secretary.
- The Company does not have Company Secretary, Managing Director, Whole time Director or Chief Executive Officer as on the date of this certificate.

Yours faithfully,

For Sterlite Grid 32 Limited

Sankrishna Bandopadhi
Director
DIN: 07963664



Date: 9-09-2023

COI, MOA & AOA
Sterlite Grid 32 Limited
(Supporting of Annexure-5)





GOVERNMENT OF INDIA
MINISTRY OF CORPORATE AFFAIRS
Central Registration Centre

Certificate of Incorporation

[Pursuant to sub-section (2) of section 7 and sub-section (1) of section 8 of the Companies Act, 2013 (18 of 2013) and rule 18 of the Companies (Incorporation) Rules, 2014]

I hereby certify that **STERLITE GRID 32 LIMITED** is incorporated on this Twenty third day of May Two thousand twenty-two under the Companies Act, 2013 (18 of 2013) and that the company is limited by shares.

The Corporate Identity Number of the company is **U40106HR2022PLC103798**.

The Permanent Account Number (PAN) of the company is **ABICS5614A**.

The Tax Deduction and Collection Account Number (TAN) of the company is **RTKS38116B**.

Given under my hand at Manesar this Twenty third day of May Two thousand twenty-two.



Digital Signature Certificate
Mr. VIJAYA SIMHA REDDY VANNAM

For and on behalf of the Jurisdictional Registrar of Companies
Registrar of Companies
Central Registration Centre

Disclaimer: This certificate only evidences incorporation of the company on the basis of documents and declarations of the applicant(s). This certificate is neither a license nor permission to conduct business or solicit deposits or funds from public. Permission of sector regulator is necessary wherever required. Registration status and other details of the company can be verified on www.mca.gov.in

Mailing Address as per record available in Registrar of Companies office:

STERLITE GRID 32 LIMITED

DLF, Cyber Park, Tower-B 9th Floor, Udyog Vihar, Phase III, Sector-20,
Gurgaon, Gurgaon, Haryana, India, 122008

* as issued by the Income Tax Department



[Pursuant to Schedule I (see Sections 4 and 5) to
the Companies Act, 2013]] FORM NO. INC-34

SPICE + AOA

(e-Articles of Association)

*Table **F** as notified under schedule I of the companies Act, 2013 is applicable to the company

STERLITE GRID 32 LIMITED

A COMPANY LIMITED BY SHARES

Check if not applicable	Check if altered	Article No	Description
			Interpretation
<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	<p>(1) In these regulations-</p> <p>(a) "the Act" means the Companies Act, 2013.</p> <p>(b) "the seal" means the common seal of the company.</p> <p>(2) Unless the context otherwise requires, words or expressions contained in these regulations shall bear the same meaning as in the Act or any statutory modification thereof in force at the date at which these regulations become binding on the company.</p> <p>Public Company</p> <p>"Public Company" means a company which</p> <p>(a) is not a private company and</p> <p>(b) has a minimum paid-up share capital, as may be prescribed</p> <p>Provided that a company which is a subsidiary of a company, not being a private company, shall be deemed to be public company for the purposes of this Act even where such subsidiary company continues to be a private company in its articles :</p>
			Share capital and variation of rights
<input type="checkbox"/>	<input type="checkbox"/>	11	Subject to the provisions of the Act and these Articles, the shares in the capital of the company shall be under the control of the Directors who may issue, allot or otherwise dispose of the same or any of them to such persons, in such proportion and on such terms and conditions and either at a premium or at par and at such time as they may from time to time think fit.
<input type="checkbox"/>	<input type="checkbox"/>	2	<p>(i) Every person whose name is entered as a member in the register of members shall be entitled to receive within two months after incorporation, in case of subscribers to the memorandum or after allotment or within one month after the application for the registration of transfer or transmission or within such other period as the conditions of issue shall be provided:-</p> <p>(a) one certificate for all his shares without payment of any charges; or</p> <p>(b) several certificates, each for one or more of his shares, upon payment of twenty rupees for each certificate after the first.</p> <p>(ii) Every certificate shall be under the seal and shall specify the shares to which it relates and the amount paid-up thereon.</p> <p>(iii) In respect of any share or shares held jointly by several persons, the company shall not be bound to issue more than one certificate, and delivery of a certificate for a share to one of several joint holders shall be sufficient delivery to all such holders.</p>
<input type="checkbox"/>	<input type="checkbox"/>	3	<p>(i) If any share certificate be worn out, defaced, mutilated or torn or if there be no further space on the back for endorsement of transfer, then upon production and surrender thereof to the company, a new certificate may be issued in lieu thereof, and if any certificate is lost or destroyed then upon proof thereof to the satisfaction of the company and on execution of such indemnity as the company deem adequate, a new certificate in lieu thereof shall be given. Every certificate under this Article shall be issued on payment of twenty rupees for each certificate.</p> <p>(ii) The provisions of Articles (2) and (3) shall mutatis mutandis apply to debentures of the company.</p>
<input type="checkbox"/>	<input type="checkbox"/>		Except as required by law, no person shall be recognised by the company as holding any share upon any trust, and the company shall not be bound by, or be compelled in any way to recognise (even when having notice thereof) any equitable, contingent, future or partial interest in any share, or any interest in any fractional



			part of a share, or (except only as by these regulations or by law otherwise provided) any other rights in respect of any share except an absolute right to the entirety thereof in the registered holder.
<input type="checkbox"/>	<input type="checkbox"/>	5	(i) The company may exercise the powers of paying commissions conferred by sub-section (5) of section 40, provided that the rate per cent or the amount of the commission paid or agreed to be paid shall be disclosed in the manner required by that section and rules made thereunder. (ii) The rate or amount of the commission shall not exceed the rate or amount prescribed in rules made under sub-section (6) of section 40. (iii) The commission may be satisfied by the payment of cash or the allotment of fully or partly paid shares or partly in the one way and partly in the other.
<input type="checkbox"/>	<input type="checkbox"/>	6	(i) If at any time the share capital is divided into different classes of shares, the rights attached to any class (unless otherwise provided by the terms of issue of the shares of that class) may, subject to the provisions of section 48, and whether or not the company is being wound up, be varied with the consent in writing of the holders of three-fourths of the issued shares of that class, or with the sanction of a special resolution passed at a separate meeting of the holders of the shares of that class. (ii) To every such separate meeting, the provisions of these regulations relating to general meetings shall mutatis mutandis apply, but so that the necessary quorum shall be at least two persons holding at least one-third of the issued shares of the class in question.
<input type="checkbox"/>	<input type="checkbox"/>	7	The rights conferred upon the holders of the shares of any class issued with preferred or other rights shall not, unless otherwise expressly provided by the terms of issue of the shares of that class, be deemed to be varied by the creation or issue of further shares ranking <i>pari passu</i> therewith.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	8	Subject to the provisions of section 55, any preference shares may, with the sanction of an ordinary resolution, be issued on the terms that they are to be redeemed on such terms and in such manner as the company before the issue of the shares may, by special resolution, determine.
			Lien
<input type="checkbox"/>	<input type="checkbox"/>	9	(i) The company shall have a first and paramount lien- (a) on every share (not being a fully paid share), for all monies (whether presently payable or not) called, or payable at a fixed time, in respect of that share; and (b) on all shares (not being fully paid shares) standing registered in the name of a single person, for all monies presently payable by him or his estate to the company. Provided that the Board of directors may at any time declare any share to be wholly or in part exempt from the provisions of this clause. (ii) The company's lien, if any, on a share shall extend to all dividends payable and bonuses declared from time to time in respect of such shares.
<input type="checkbox"/>	<input type="checkbox"/>	10	The company may sell, in such manner as the Board thinks fit, any shares on which the company has a lien: Provided that no sale shall be made- (a) unless a sum in respect of which the lien exists is presently payable; or (b) until the expiration of fourteen days after a notice in writing stating and demanding payment of such part of the amount in respect of which the lien exists as is presently payable, has been given to the registered holder for the time being of the share or the person entitled thereto by reason of his death or insolvency.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	11	(i) To give effect to any such sale, the Board may authorise some person to transfer the shares sold to the purchaser thereof. (ii) The purchaser shall be registered as the holder of the shares comprised in any such transfer. (iii) The purchaser shall not be bound to see to the application of the purchase money, nor shall his title to the shares be affected by any irregularity or invalidity in the proceedings in reference to the sale.
<input type="checkbox"/>	<input type="checkbox"/>	12	(i) The proceeds of the sale shall be received by the company and applied in payment of such part of the amount in respect of which the lien exists as is presently payable. (ii) The residue, if any, shall, subject to a like lien for sums not presently payable as existed upon the shares before the sale, be paid to the person entitled to the shares at the date of the sale.
			Calls on shares
<input type="checkbox"/>	<input type="checkbox"/>	13	(i) The Board may, from time to time, make calls upon the members in respect of any monies unpaid on their shares (whether on account of the nominal value of the shares or by way of premium) and not by the conditions of allotment thereof made payable at fixed times: Provided that no call shall exceed one-fourth of the nominal value of the share or be payable at less than one month from the date fixed for the payment of the last preceding call. (ii) Each member shall, subject to receiving at least fourteen days' notice specifying the time or times and place of payment, pay to the company, at the time or times and place so specified, the amount called on his shares. (iii) A call may be revoked or postponed at the discretion of the Board.
<input type="checkbox"/>	<input type="checkbox"/>	14	A call shall be deemed to have been made at the time when the resolution of the Board authorizing the call was passed and may be required to be paid by instalments.
<input type="checkbox"/>	<input type="checkbox"/>	15	The joint holders of a share shall be jointly and severally liable to pay all calls in respect thereof.



<input type="checkbox"/>	<input type="checkbox"/>	16	(i) If a sum called in respect of a share is not paid before or on the day appointed for payment thereof, the person from whom the sum is due shall pay interest thereon from the day appointed for payment thereof to the time of actual payment at ten per cent per annum or at such lower rate, if any, as the Board may determine. (ii) The Board shall be at liberty to waive payment of any such interest wholly or in part.
<input type="checkbox"/>	<input type="checkbox"/>	17	(i) Any sum which by the terms of issue of a share becomes payable on allotment or at any fixed date, whether on account of the nominal value of the share or by way of premium, shall, for the purposes of these regulations, be deemed to be a call duly made and payable on the date on which by the terms of issue such sum becomes payable. (ii) In case of non-payment of such sum, all the relevant provisions of these regulations as to payment of interest and expenses, forfeiture or otherwise shall apply as if such sum had become payable by virtue of a call duly made and notified.
<input type="checkbox"/>	<input type="checkbox"/>	18	The Board- (a) may, if it thinks fit, receive from any member willing to advance the same, all or any part of the monies uncalled and unpaid upon any shares held by him; and (b) upon all or any of the monies so advanced, may (until the same would, but for such advance, become presently payable) pay interest at such rate not exceeding, unless the company in general meeting shall otherwise direct, twelve per cent per annum, as may be agreed upon between the Board and the member paying the sum in advance.
			<i>Transfer of shares</i>
<input type="checkbox"/>	<input type="checkbox"/>	19	(i) The instrument of transfer of any share in the company shall be executed by or on behalf of both the transferor and transferee. (ii) The transferor shall be deemed to remain a holder of the share until the name of the transferee is entered in the register of members in respect thereof.
<input type="checkbox"/>	<input type="checkbox"/>	20	The Board may, subject to the right of appeal conferred by section 58 decline to register- (a) the transfer of a share, not being a fully paid share, to a person of whom they do not approve; or (b) any transfer of shares on which the company has a lien.
<input type="checkbox"/>	<input type="checkbox"/>	21	The Board may decline to recognise any instrument of transfer unless- (a) the instrument of transfer is in the form as prescribed in rules made under sub-section (1) of section 56; (b) the instrument of transfer is accompanied by the certificate of the shares to which it relates, and such other evidence as the Board may reasonably require to show the right of the transferor to make the transfer; and (c) the instrument of transfer is in respect of only one class of shares.
<input type="checkbox"/>	<input type="checkbox"/>	22	On giving not less than seven days' previous notice in accordance with section 91 and rules made thereunder, the registration of transfers may be suspended at such times and for such periods as the Board may from time to time determine: Provided that such registration shall not be suspended for more than thirty days at any one time or for more than forty-five days in the aggregate in any year.
			<i>Transmission of shares</i>
<input type="checkbox"/>	<input type="checkbox"/>	23	(i) On the death of a member, the survivor or survivors where the member was a joint holder, and his nominee or nominees or legal representatives where he was a sole holder, shall be the only persons recognised by the company as having any title to his interest in the shares. (ii) Nothing in clause (i) shall release the estate of a deceased joint holder from any liability in respect of any share which had been jointly held by him with other persons.
<input type="checkbox"/>	<input type="checkbox"/>	24	(i) Any person becoming entitled to a share in consequence of the death or insolvency of a member may, upon such evidence being produced as may from time to time properly be required by the Board and subject as hereinafter provided, elect, either- (a) to be registered himself as holder of the share, or (b) to make such transfer of the share as the deceased or insolvent member could have made. (ii) The Board shall, in either case, have the same right to decline or suspend registration as it would have had, if the deceased or insolvent member had transferred the share before his death or insolvency.
<input type="checkbox"/>	<input type="checkbox"/>	25	(i) If the person so becoming entitled shall elect to be registered as holder of the share himself, he shall deliver or send to the company a notice in writing signed by him stating that he so elects. (ii) If the person aforesaid shall elect to transfer the share, he shall testify his election by executing a transfer of the share. (iii) All the limitations, restrictions and provisions of these regulations relating to the right to transfer and the registration of transfers of shares shall be applicable to any such notice or transfer as aforesaid as if the death or insolvency of the member had not occurred and the notice or transfer were a transfer signed by that member.
<input type="checkbox"/>	<input type="checkbox"/>	26	A person becoming entitled to a share by reason of the death or insolvency of the holder shall be entitled to the same dividends and other advantages to which he would be entitled if he were the registered holder of the share, except that he shall not, before being registered as a member in respect of the share, be entitled in respect of it to exercise any right conferred by membership in relation to meetings of the company: Provided that the Board may, at any time, give notice requiring any such person to elect either to be registered



[Handwritten signature]



			himself or to transfer the share, and if the notice is not complied with within ninety days, the Board may thereafter withhold payment of all dividends, bonuses or other monies payable in respect of the share, until the requirements of the notice have been complied with.
			<i>Forfeiture of shares</i>
<input type="checkbox"/>	<input type="checkbox"/>	27	If a member fails to pay any call, or instalment of a call, on the day appointed for payment thereof, the Board may, at any time thereafter during such time as any part of the call or instalment remains unpaid, serve a notice on him requiring payment of so much of the call or instalment as is unpaid, together with any interest which may have accrued.
<input type="checkbox"/>	<input type="checkbox"/>	28	The notice aforesaid shall: (a) name a further day (not being earlier than the expiry of fourteen days from the date of service of the notice) on or before which the payment required by the notice is to be made; and (b) state that, in the event of non-payment on or before the day so named, the shares in respect of which the call was made shall be liable to be forfeited.
<input type="checkbox"/>	<input type="checkbox"/>	29	If the requirements of any such notice as aforesaid are not complied with, any share in respect of which the notice has been given may, at any time thereafter, before the payment required by the notice has been made, be forfeited by a resolution of the Board to that effect.
<input type="checkbox"/>	<input type="checkbox"/>	30	(i) A forfeited share may be sold or otherwise disposed of on such terms and in such manner as the Board thinks fit. (ii) At any time before a sale or disposal as aforesaid, the Board may cancel the forfeiture on such terms as it thinks fit.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	31	(i) A person whose shares have been forfeited shall cease to be a member in respect of the forfeited shares, but shall, notwithstanding the forfeiture, remain liable to pay to the company all monies which, at the date of forfeiture, were presently payable by him to the company in respect of the shares. (ii) The liability of such person shall cease if and when the company shall have received payment in full of all such monies in respect of the shares.
<input type="checkbox"/>	<input type="checkbox"/>	32	(i) A duly verified declaration in writing that the declarant is a director, the manager or the secretary, of the company, and that a share in the company has been duly forfeited on a date stated in the declaration, shall be conclusive evidence of the facts therein stated as against all persons claiming to be entitled to the share; (ii) The company may receive the consideration, if any, given for the share on any sale or disposal thereof and may execute a transfer of the share in favour of the person to whom the share is sold or disposed of; (iii) The transferee shall thereupon be registered as the holder of the share; and (iv) The transferee shall not be bound to see to the application of the purchase money, if any, nor shall his title to the share be affected by any irregularity or invalidity in the proceedings in reference to the forfeiture, sale or disposal of the share.
<input type="checkbox"/>	<input type="checkbox"/>	33	The provisions of these regulations as to forfeiture shall apply in the case of nonpayment of any sum which, by the terms of issue of a share, becomes payable at a fixed time, whether on account of the nominal value of the share or by way of premium, as if the same had been payable by virtue of a call duly made and notified.
			<i>Alteration of capital</i>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	34	The company may, from time to time, by ordinary resolution increase the share capital by such sum, to be divided into shares of such amount, as may be specified in the resolution.
<input type="checkbox"/>	<input type="checkbox"/>	35	Subject to the provisions of section 81, the company may, by ordinary resolution,- (a) consolidate and divide all or any of its share capital into shares of larger amount than its existing shares; (b) convert all or any of its fully paid-up shares into stock, and reconvert that stock into fully paid-up shares of any denomination; (c) sub-divide its existing shares or any of them into shares of smaller amount than is fixed by the memorandum; (d) cancel any shares which, at the date of the passing of the resolution, have not been taken or agreed to be taken by any person.
<input type="checkbox"/>	<input type="checkbox"/>	36	Where shares are converted into stock,- (a) the holders of stock may transfer the same or any part thereof in the same manner as, and subject to the same regulations under which, the shares from which the stock arose might before the conversion have been transferred, or as near thereto as circumstances admit; Provided that the Board may, from time to time, fix the minimum amount of stock transferable, so, however, that such minimum shall not exceed the nominal amount of the shares from which the stock arose. (b) the holders of stock shall, according to the amount of stock held by them, have the same rights, privileges and advantages as regards dividends, voting at meetings of the company, and other matters, as if they held the shares from which the stock arose; but no such privilege or advantage (except participation in the dividends and profits of the company and in the assets on winding up) shall be conferred by an amount of stock which would not, if existing in shares, have conferred that privilege or advantage. (c) such of the regulations of the company as are applicable to paid-up shares shall apply to stock and the words "share" and "shareholder" in these regulations shall include "stock" and "stock-holder" respectively.



<input type="checkbox"/>	<input type="checkbox"/>	37	The company may, by special resolution, reduce in any manner and with, and subject to, any incident authorised and consent required by law:- (a) its share capital; (b) any capital redemption reserve account; or (c) any share premium account.
			<i>Capitalisation of profits</i>
<input type="checkbox"/>	<input type="checkbox"/>	38	(i) The company in general meeting may, upon the recommendation of the Board, resolve- (a) that it is desirable to capitalise any part of the amount for the time being standing to the credit of any of the company's reserve accounts, or to the credit of the profit and loss account, or otherwise available for distribution; and (b) that such sum be accordingly set free for distribution in the manner specified in clause (ii) amongst the members who would have been entitled thereto, if distributed by way of dividend and in the same proportions. (ii) The sum aforesaid shall not be paid in cash but shall be applied, subject to the provision contained in clause (i), either in or towards- (A) paying up any amounts for the time being unpaid on any shares held by such members respectively; (B) paying up in full, unissued shares of the company to be allotted and distributed, credited as fully paid-up, to and amongst such members in the proportions aforesaid; (C) partly in the way specified in sub-clause (A) and partly in that specified in sub-clause (B); (D) A securities premium account and a capital redemption reserve account may, for the purposes of this regulation, be applied in the paying up of unissued shares to be issued to members of the company as fully paid bonus shares; (E) The Board shall give effect to the resolution passed by the company in pursuance of this regulation.
<input type="checkbox"/>	<input type="checkbox"/>	39	(i) Whenever such a resolution as aforesaid shall have been passed, the Board shall- (a) make all appropriations and applications of the undivided profits resolved to be capitalised thereby, and all allotments and issues of fully paid shares if any; and (b) generally do all acts and things required to give effect thereto. (ii) The Board shall have power- (a) to make such provisions, by the issue of fractional certificates or by payment in cash or otherwise as it thinks fit, for the case of shares becoming distributable in fractions; and (b) to authorise any person to enter, on behalf of all the members entitled thereto, into an agreement with the company providing for the allotment to them respectively, credited as fully paid-up, of any further shares to which they may be entitled upon such capitalisation, or as the case may require, for the payment by the company on their behalf, by the application thereto of their respective proportions of profits resolved to be capitalised, of the amount or any part of the amounts remaining unpaid on their existing shares; (iii) Any agreement made under such authority shall be effective and binding on such members.
			<i>Buy-back of shares</i>
<input type="checkbox"/>	<input type="checkbox"/>	40	Notwithstanding anything contained in these articles but subject to the provisions of sections 68 to 70 and any other applicable provision of the Act or any other law for the time being in force, the company may purchase its own shares or other specified securities.
			<i>General meetings</i>
<input type="checkbox"/>	<input type="checkbox"/>	41	All general meetings other than annual general meeting shall be called extraordinary general meeting.
<input type="checkbox"/>	<input type="checkbox"/>	42	(i) The Board may, whenever it thinks fit, call an extraordinary general meeting. (ii) If at any time directors capable of acting who are sufficient in number to form a quorum are not within India, any director or any two members of the company may call an extraordinary general meeting in the same manner, as nearly as possible, as that in which such a meeting may be called by the Board.
			<i>Proceedings at general meetings</i>
<input type="checkbox"/>	<input type="checkbox"/>	43	(i) No business shall be transacted at any general meeting unless a quorum of members is present at the time when the meeting proceeds to business. (ii) Save as otherwise provided herein, the quorum for the general meetings shall be as provided in section 103.
<input type="checkbox"/>	<input type="checkbox"/>	44	The chairperson, if any, of the Board shall preside as Chairperson at every general meeting of the company.
<input type="checkbox"/>	<input type="checkbox"/>	45	If there is no such Chairperson, or if he is not present within fifteen minutes after the time appointed for holding the meeting, or is unwilling to act as chairperson of the meeting, the directors present shall elect one of their members to be Chairperson of the meeting.
<input type="checkbox"/>	<input type="checkbox"/>	46	If at any meeting no director is willing to act as Chairperson or if no director is present within fifteen minutes after the time appointed for holding the meeting, the members present shall choose one of their members to be Chairperson of the meeting.

Adjournment of meeting

47

- (i) The Chairperson may, with the consent of any meeting at which a quorum is present, and shall, if so directed by the meeting, adjourn the meeting from time to time and from place to place.
 (ii) No business shall be transacted at any adjourned meeting other than the business left unfinished at the meeting from which the adjournment took place.
 (iii) When a meeting is adjourned for thirty days or more, notice of the adjourned meeting shall be given as in the case of an original meeting.
 (iv) Save as aforesaid, and as provided in section 103 of the Act, it shall not be necessary to give any notice of an adjournment or of the business to be transacted at an adjourned meeting.

Voting rights

48

- Subject to any rights or restrictions for the time being attached to any class or classes of shares, -
 (a) on a show of hands, every member present in person shall have one vote; and
 (b) on a poll, the voting rights of members shall be in proportion to his share in the paid-up equity share capital of the company.

49

- A member may exercise his vote at a meeting by electronic means in accordance with section 106 and shall vote only once.

50

- (i) In the case of joint holders, the vote of the senior who tenders a vote, whether in person or by proxy, shall be accepted to the exclusion of the votes of the other joint holders.
 (ii) For this purpose, seniority shall be determined by the order in which the names stand in the register of members.

51

- A member of unsound mind, or in respect of whom an order has been made by any court having jurisdiction in lunacy, may vote, whether on a show of hands or on a poll, by his committee or other legal guardian, and any such committee or guardian may, on a poll, vote by proxy.

52

- Any business other than that upon which a poll has been demanded may be proceeded with, pending the taking of the poll.

53

- No member shall be entitled to vote at any general meeting unless all calls or other sums presently payable by him in respect of shares in the company have been paid.

54

- (i) No objection shall be raised to the qualification of any voter except at the meeting or adjourned meeting at which the vote objected to is given or tendered, and every vote not disallowed at such meeting shall be valid for all purposes.
 (ii) Any such objection made in due time shall be referred to the Chairperson of the meeting, whose decision shall be final and conclusive.

Proxy

55

- The instrument appointing a proxy and the power-of-attorney or other authority, if any, under which it is signed or a notarised copy of that power or authority, shall be deposited at the registered office of the company not less than 48 hours before the time for holding the meeting or adjourned meeting at which the person named in the instrument proposes to vote, or, in the case of a poll, not less than 24 hours before the time appointed for the taking of the poll; and in default the instrument of proxy shall not be treated as valid.

56

- An instrument appointing a proxy shall be in the form as prescribed in the rules made under section 105.

57

- A vote given in accordance with the terms of an instrument of proxy shall be valid, notwithstanding the previous death or insanity of the principal or the revocation of the proxy or of the authority under which the proxy was executed, or the transfer of the shares in respect of which the proxy is given: Provided that no intimation in writing of such death, insanity, revocation or transfer shall have been received by the company at its office before the commencement of the meeting or adjourned meeting at which the proxy is used.

Board of Directors

58

- The number of the directors and the names of the first directors shall be determined in writing by the subscribers of the memorandum or a majority of them.
 The first Board of directors of the company are:
 1. MR. SAIKRISHNA BENDAPUDI
 2. MR. AMARENDRANATH TATIMAKULA REDDY
 3. MR. KAMLESH GARG

59

- (i) The remuneration of the directors shall, in so far as it consists of a monthly payment, be deemed to accrue from day-to-day.
 (ii) In addition to the remuneration payable to them in pursuance of the Act, the directors may be paid all travelling, hotel and other expenses properly incurred by them -
 (a) in attending and returning from meetings of the Board of Directors, or any committee thereof or general



			meetings of the company; or (b) in connection with the business of the company.
<input type="checkbox"/>	<input type="checkbox"/>	60	The Board may pay all expenses incurred in getting up and registering the company.
<input type="checkbox"/>	<input type="checkbox"/>	61	The company may exercise the powers conferred on it by section 86 with regard to the keeping of a foreign register; and the Board may (subject to the provisions of that section) make and vary such regulations as it may think fit respecting the keeping of any such register.
<input type="checkbox"/>	<input type="checkbox"/>	62	All cheques, promissory notes, drafts, bills of exchange and other negotiable instruments, and all receipts for monies paid to the company, shall be signed, drawn, accepted, endorsed, or otherwise executed, as the case may be, by such person and in such manner as the Board shall from time to time by resolution determine.
<input type="checkbox"/>	<input type="checkbox"/>	63	Every director present at any meeting of the Board or of a committee thereof shall sign his name in a book to be kept for that purpose.
<input type="checkbox"/>	<input type="checkbox"/>	64	(i) Subject to the provisions of section 149, the Board shall have power at any time, and from time to time, to appoint a person as an additional director, provided the number of the directors and additional directors together shall not at any time exceed the maximum strength fixed for the Board by the articles. (ii) Such person shall hold office only up to the date of the next annual general meeting of the company but shall be eligible for appointment by the company as a director at that meeting subject to the provisions of the Act.
			Proceedings of the Board
<input type="checkbox"/>	<input type="checkbox"/>	65	(i) The Board of Directors may meet for the conduct of business, adjourn and otherwise regulate its meetings, as it thinks fit. (ii) A director may, and the manager or secretary on the requisition of a director shall, at any time, summon a meeting of the Board.
<input type="checkbox"/>	<input type="checkbox"/>	66	(i) Save as otherwise expressly provided in the Act, questions arising at any meeting of the Board shall be decided by a majority of votes. (ii) In case of an equality of votes, the Chairperson of the Board, if any, shall have a second or casting vote.
<input type="checkbox"/>	<input type="checkbox"/>	67	The continuing directors may act notwithstanding any vacancy in the Board; but, if and so long as their number is reduced below the quorum fixed by the Act for a meeting of the Board, the continuing directors or director may act for the purpose of increasing the number of directors to that fixed for the quorum, or of summoning a general meeting of the company, but for no other purpose.
<input type="checkbox"/>	<input type="checkbox"/>	68	(i) The Board may elect a Chairperson of its meetings and determine the period for which he is to hold office. (ii) If no such Chairperson is elected, or if at any meeting the Chairperson is not present within five minutes after the time appointed for holding the meeting, the directors present may choose one of their number to be Chairperson of the meeting.
<input type="checkbox"/>	<input type="checkbox"/>	69	(i) The Board may, subject to the provisions of the Act, delegate any of its powers to committees consisting of such member or members of its body as it thinks fit. (ii) Any committee so formed shall, in the exercise of the powers so delegated, conform to any regulations that may be imposed on it by the Board.
<input type="checkbox"/>	<input type="checkbox"/>	70	(i) A committee may elect a Chairperson of its meetings. (ii) If no such Chairperson is elected, or if at any meeting the Chairperson is not present within five minutes after the time appointed for holding the meeting, the members present may choose one of their members to be Chairperson of the meeting.
<input type="checkbox"/>	<input type="checkbox"/>	71	(i) A committee may meet and adjourn as it thinks fit. (ii) Questions arising at any meeting of a committee shall be determined by a majority of votes of the members present, and in case of an equality of votes, the Chairperson shall have a second or casting vote.
<input type="checkbox"/>	<input type="checkbox"/>	72	All acts done in any meeting of the Board or of a committee thereof or by any person acting as a director, shall, notwithstanding that it may be afterwards discovered that there was some defect in the appointment of any one or more of such directors or of any person acting as aforesaid, or that they or any of them were disqualified, be as valid as if every such director or such person had been duly appointed and was qualified to be a director.
<input type="checkbox"/>	<input type="checkbox"/>	73	Save as otherwise expressly provided in the Act, a resolution in writing, signed by all the members of the Board or of a committee thereof, for the time being entitled to receive notice of a meeting of the Board or committee, shall be valid and effective as if it had been passed at a meeting of the Board or committee, duly convened and held.
			Chief Executive Officer, Manager, Company Secretary or Chief Financial Officer
<input type="checkbox"/>	<input type="checkbox"/>	74	Subject to the provisions of the Act:- (i) A chief executive officer, manager, company secretary or chief financial officer may be appointed by the Board for such term, at such remuneration and upon such conditions as it may think fit; and any chief executive officer, manager, company secretary or chief financial officer so appointed may be removed by means of a resolution of the Board.



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			(ii) A director may be appointed as chief executive officer, manager, company secretary or chief financial officer.
<input type="checkbox"/>	<input type="checkbox"/>	75	A provision of the Act or these regulations requiring or authorising a thing to be done by or to a director and chief executive officer, manager, company secretary or chief financial officer shall not be satisfied by its being done by or to the same person acting both as director and as, or in place of, chief executive officer, manager, company secretary or chief financial officer.
			The Seal
<input type="checkbox"/>	<input type="checkbox"/>	76	(i) The Board shall provide for the safe custody of the seal. (ii) The seal of the company shall not be affixed to any instrument except by the authority of a resolution of the Board or of a committee of the Board authorised by it in that behalf, and except in the presence of at least two directors and of the secretary or such other person as the Board may appoint for the purpose; and those two directors and the secretary or other person aforesaid shall sign every instrument to which the seal of the company is so affixed in their presence.
			Dividends and Reserve
<input type="checkbox"/>	<input type="checkbox"/>	77	The company in general meeting may declare dividends, but no dividend shall exceed the amount recommended by the Board.
<input type="checkbox"/>	<input type="checkbox"/>	78	Subject to the provisions of section 123, the Board may from time to time pay to the members such interim dividends as appear to it to be justified by the profits of the company.
<input type="checkbox"/>	<input type="checkbox"/>	79	(i) The Board may, before recommending any dividend, set aside out of the profits of the company such sums as it thinks fit as a reserve or reserves which shall, at the discretion of the Board, be applicable for any purpose to which the profits of the company may be properly applied, including provision for meeting contingencies or for equalizing dividends; and pending such application, may, at the like discretion, either be employed in the business of the company or be invested in such investments (other than shares of the company) as the Board may, from time to time, think fit. (ii) The Board may also carry forward any profits which it may consider necessary not to divide, without setting them aside as a reserve.
<input type="checkbox"/>	<input type="checkbox"/>	80	(i) Subject to the rights of persons, if any, entitled to shares with special rights as to dividends, all dividends shall be declared and paid according to the amounts paid or credited as paid on the shares in respect whereof the dividend is paid, but if and so long as nothing is paid upon any of the shares in the company, dividends may be declared and paid according to the amounts of the shares. (ii) No amount paid or credited as paid on a share in advance of calls shall be treated for the purposes of this regulation as paid on the share. (iii) All dividends shall be apportioned and paid proportionately to the amounts paid or credited as paid on the shares during any portion or portions of the period in respect of which the dividend is paid; but if any share is issued on terms providing that it shall rank for dividend as from a particular date such share shall rank for dividend accordingly.
<input type="checkbox"/>	<input type="checkbox"/>	81	The Board may deduct from any dividend payable to any member all sums of money, if any, presently payable by him to the company on account of calls or otherwise in relation to the shares of the company.
<input type="checkbox"/>	<input type="checkbox"/>	82	(i) Any dividend, interest or other monies payable in cash in respect of shares may be paid by cheque or warrant sent through the post directed to the registered address of the holder or, in the case of joint holders, to the registered address of that one of the joint holders who is first named on the register of members, or to such person and to such address as the holder or joint holders may in writing direct. (ii) Every such cheque or warrant shall be made payable to the order of the person to whom it is sent.
<input type="checkbox"/>	<input type="checkbox"/>	83	Any one of two or more joint holders of a share may give effective receipts for any dividends, bonuses or other monies payable in respect of such share.
<input type="checkbox"/>	<input type="checkbox"/>	84	Notice of any dividend that may have been declared shall be given to the persons entitled to share therein in the manner mentioned in the Act.
<input type="checkbox"/>	<input type="checkbox"/>	85	No dividend shall bear interest against the company.
			Accounts
<input type="checkbox"/>	<input type="checkbox"/>	86	(i) The Board shall from time to time determine whether and to what extent and at what times and places and under what conditions or regulations, the accounts and books of the company, or any of them, shall be open to the inspection of members not being directors. (ii) No member (not being a director) shall have any right of inspecting any account or book or document of the company except as conferred by law or authorised by the Board or by the company in general meeting.
			Winding up



<input type="checkbox"/>	<input type="checkbox"/>		Subject to the provisions of Chapter XX of the Act and rules made thereunder-
		87	(i) If the company shall be wound up, the liquidator may, with the sanction of a special resolution of the company and any other sanction required by the Act, divide amongst the members, in specie or kind, the whole or any part of the assets of the company, whether they shall consist of property of the same kind or not. (ii) For the purpose aforesaid, the liquidator may set such value as he deems fair upon any property to be divided as aforesaid and may determine how such division shall be carried out as between the members or different classes of members. (iii) The liquidator may, with the like sanction, vest the whole or any part of such assets in trustees upon such trusts for the benefit of the contributories if he considers necessary, but so that no member shall be compelled to accept any shares or other securities whereon there is any liability.
			<i>Indemnity</i>
<input type="checkbox"/>	<input type="checkbox"/>	88	Every officer of the company shall be indemnified out of the assets of the company against any liability incurred by him in defending any proceedings, whether civil or criminal, in which judgment is given in his favour or in which he is acquitted or in which relief is granted to him by the court or the Tribunal.

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Subscriber Details						
S. NO	Name, Address, Description and Occupation	DIN/PAN/Passport Number	Place	DSC	Dated	
1	Sterlite Power Transmission Limited, CIN: U74120PN2015PLC156643, R/o 4th Floor, Godrej Millennium 9 Koregaon Road, Pune-411001 (Through its Authorised Representative, Mr. Ashok Ganesan, Company Secretary S/o Mr. Ganesan Maruthimuttu R/o BD 9D, Block BD, DDA Flats, Munirka, JNU South West, Delhi-110067), Business	AHYPK5104G	Gurgaon	ASHOK GANESAN	14/05/2022	
2	Mr. Anandranath Tatimakula Reddy S/o Mr. Reddy Sambashiva Tatimakula (Nominee of M/s Sterlite Power Transmission Limited) R/o D-2/43, Gold Craft Apartment Plot No. 4, Near Ashinwad Chowk, Sector-11, Dwarka, Delhi-110075, Service	07107290	Gurgaon	ANANDRANATH TATIMAKULA REDDY	14/05/2022	
	Ms. Nikita Gupta D/o Mr. Pankaj Gupta (Nominee of M/s Sterlite Power Transmission Limited) R/o 476-B Shakti Nagar, Gular Road Behind Gayatri Palace, Aligarh, Uttar Pradesh-202001, Service	CCIPG8818C	Gurgaon	NIKITA GUPTA	14/05/2022	
4	Ms. Shilpi Rungta D/o Mr. Jagdish Kumar Aggarwal (Nominee of M/s Sterlite Power Transmission Limited) R/o 24C Citizen Enclave, Sector 14, Rohini, New Delhi-110085, Service	AEAPG8782P	Gurgaon	SHILPI RUNGTA	14/05/2022	
5	Ms. Megha Sharma D/o Mr. Sharad Kumar Sharma (Nominee of M/s Sterlite Power Transmission Limited) R/o 738, Satghara Garh, Chaita Bazar, Holigate Mathura, Uttar Pradesh-281001, Service	KYDPS2220H	Gurgaon	MEGHA SHARMA	14/05/2022	
6	Ms. Pankhuri Warange D/o Mr. Brajbhushan Prasad Verma (Nominee of M/s Sterlite Power Transmission Limited) R/o 1801 1802, Murrah City of Joy, ACC Compound, Mulund W, Mumbai, Maharashtra-400080, Service	ALRPP2079G	Gurgaon	PAKHURI WARANGE	14/05/2022	
	Mr. Manish Panjwani S/o Mr. Laxman Dass Panjwani (Nominee of M/s Sterlite Power Transmission Limited) R/o 92-D, CC Block, Shalimar Bagh, New Delhi-110088, Service	ARPPP1934G	Gurgaon	MANISH PANJWANI	14/05/2022	
Signed Before Me						
	Name	Address, Description and Occupation	DIN/PAN/Passport Number/ Membership Number	Place	DSC	Dated
FCS	MEHAK GUPTA	304, 6A/1, Ganga Chamber, W.E.A, Karol Bagh New Delhi-110005, Practicing Company Secretary	10703	Delhi	MEHAK GUPTA	14/05/2022



Checkform



Modify



[Pursuant to Schedule I (see sections 4 and 5) to
the Companies Act, 2013] FORM NO. INC-33

SPICE+MOA
(e-Memorandum of Association)

* Table applicable to company as notified under schedule I of the companies Act, 2013

A

Table A- MEMORANDUM OF ASSOCIATION OF A COMPANY LIMITED BY SHARES

1. The Name of the Company is

STERLITE GRID 32 LIMITED

2. The Registered office of the company will be situated in the state of

Maryana-HR

3.(a)The objects to be pursued by the company on its incorporation are

1. To carry on the business of manufacture, design, planning, building, development, engineering, erecting, marketing, import and export, purchase, sale, transfer, lease, assemble, install, commission, maintain, repair, operation, trading, transmission, investigation, research, consultancy management of power transmission towers, antennae, transmitters, insulators, conductors and all kinds of equipments required in generation, transmission and storage of power and undertake turn-key contracts for erecting power distribution network, energy conversion projects and power houses plants and to carry on the business of generation, transmission, distribution, supply, storage, trade in power by conventional and nonconventional methods and to construct, establish, run power stations and to acquire companies/facilities who are carrying out any of the aforesaid activities.

3.(b)Matters which are necessary for furtherance of the objects specified in clause 3(a) are

2. To acquire, build, construct, improve, develop, give or take in exchange or on lease, rent, hire, occupy, allow, control, maintain, operate, run, sell, dispose of, carry out or alter as may be necessary or convenient any lease-hold or freehold lands, moveable or immovable properties, including building, workshops, warehouse, stores, easement or other rights, machineries, plant, work, stock in trade, industrial colonies, conveniences together with all modern amenities and facilities such as housing, schools, hospitals, water supply, sanitation, townships and other facilities or properties which may seem calculated directly or indirectly to advance the company's objects and interest either in consideration of a gross sum or a rent charged in cash or services.

3. To enter into any arrangements with any Government or any other authority, municipal, local or otherwise or any person or firm or any company that seem beneficial to the Company's objects and to apply for, promote and obtain any act of privilege, concessions, license, or authorization of the Government or any other authority, local or otherwise, for enabling the company to carry any of its objects into effect, or for extending any of the powers of the Company, and to carry out, exercise and comply with any such Act privilege, concessions, license or authorization.

4. To acquire, undertake, use, improve, manage, develop, sell, exchange, lease and / or dispose of technology, technical know-how and turn key projects connected with the business of the Company.

5. To train or apply for training in India or abroad of any member or any of the Company's employees or Directors or any other candidates in the interest of or for the furtherance of the Company's business.

6. To sublet all or any contracts from time to time and upon such terms and conditions as may be thought expedient, in the course of attainment of main object of the Company.

7. To supply to the industries, trade and commerce or other institution, technical management know-how, technical guidance and technically trained personnel in relation to the aforesaid products and managerial or the business of the company for the development of such industries for cash or any other compensation or on hire purchase system.



8. Subject to the provisions of applicable law to procure registration, incorporation or recognition of the Company in any country state or place and to establish and regulate standards for the purpose of the company's business and to apply or join or applying to any parliament, local government, municipal or other authority or body, Indian or foreign for any rights or privileges that may seem conducive to the Company's objects or any of them and to oppose any bills, proceedings or applications which may seem calculated directly or indirectly to prejudice the Company's interest.

9. To purchase, take on lease or in exchange, hire or acquire any real and personal property including any land, building, easement, machinery, plants, stock in trade, equipments, patterns, components, spares, prototypes and other movable and immovable articles, properties and any rights or privileges therein.

10. To purchase and sell such software or appoint such persons that may keep the company updated with the latest technologies and laws and norms in connection with the main object of the company.

11. To apply for, purchase, or acquire any patents, brevets, inventions, licenses, concessions, and the like conferring any exclusive or non-exclusive or limited right to use, or any secret or other information as to any invention which may seem capable of being used for any of the purpose of the company or the acquisition of which may seem calculated, directly or indirectly, to benefit the Company and to use, exercise, develop or grant licenses, in respect of or otherwise, turn to account the property, rights or information so required.

12. To apply for, purchase, or acquire protect, prolong and renew in any part of the world discoveries, trademark, formula licenses, concessions, and the like conferring any exclusive or non-exclusive or limited right to use, or any secret or other information as to any invention which may seem capable of being used for any of the purpose of the company and to use, exercise, develop or grant licenses, sub-licenses in respect of or otherwise, turn to account the property, rights or information so required.

To pay for any rights, privileges or properties, real or personal including plants, machinery and other equipments acquired by the company and to remunerate any person, firm or body corporate rendering services to the company wholly or in part either by cash payment or by allotment to him or them of fully or partly paid up shares of the company or both.

14. To sell any patent rights, brevets, invention, copyright, trade mark, or privileges belonging to the Company or which may be acquired by it or any interest in the same, and to grant licenses for the use of the same, or any of them, and to let or to allow to be used or otherwise deal with inventions, brevets inventions, patents, copyrights, trademarks or privileges in which the Company may be interested, and to do all such acts and think as may be deemed expedient for turning to account any inventions, patent and privileges in which the Company may be interested.

15. To borrow or raise money or loans, for the purpose of the company by promissory notes bill of exchange, hundies and other negotiable or transferable instruments or by mortgage, charge, hypothecation or pledge, or by debentures or debenture stock perpetual or otherwise including debentures or debenture stock convertible into share of this or any other Company, and security for any such money so borrowed, raised or received, to mortgage, pledge or charge the whole or any part of the property, assets or the revenue of the Company, present and future, movable and immovable, including its uncalled capital, upon such as the Directors may deem expedient, or in such other manner, with or without security as may be deemed expedient or to take or receive money on deposit as interest or otherwise in such manner as the Company may think fit, for the purpose of financing the business of the Company and to advance and lend money to customers and other having dealings with the Company and to guarantee the performance of contracts by any such person and to execute all deeds, writings and assurances for any of the aforesaid purposes subject to R.B.L. Directives.

16. To undertake FDI compliant projects in furtherance of main object of the company including External commercial borrowings in compliance with the law of land from time to time as may be applicable.

To pay all preliminary or pre-incorporation expenses incurred and incidental to the formation, incorporation of this Company including the pre-incorporation expenses incurred in connection with formation of any company in which this Company is or may contemplate being interested including any such preliminary expenses or any part of the costs and expenses of the owner of the business of property acquire by the Company.

18. Upon any issue of share, debenture or other securities of the Company, to employ any person, firm or Company as broker's agents, consultants, underwriters, advisors, managers to the issue and to provide for the remuneration of such persons for their service and to pay out of the funds of the Company all expenses which the Company may lawfully pay with respect to the formation and registration of the Company or the issue of its capital including brokerage and commission for obtaining applications for or taking placing or underwriting or procuring the underwriting of shares, debentures or other securities of the Company, or other pre-incorporation expenses.

19. To open and operate any account in any Bank and to draw, make, accept, endorse, discount, execute, and issue promissory note, bill of exchange, bill of lading, and other negotiable or transferable instruments.

20. To advance money or give credit to any person or Company, guarantee and give guarantees or indemnities for the payment of money or their performance of contracts or obligations by any person or Company, to secure or undertake in any way the repayment of money lent or advanced to employees, or ex-employees, customers or the liabilities incurred by any person or Company, and otherwise to assist any person or Company, providing that the Company shall not engage in the business of banking within the meaning of the Banking Regulation Act, 1949.

21. To take or hold mortgage, liens, and charge to secure payment of the purchase, price, or any unpaid balance of the purchase, price, of any part of the Company's property of whatsoever land sold by the Company or any money due to the Company from purchases and others.

22. To aid, pecuniarily or otherwise any association, body or movement having for an object the solution and settlement of industrial or labor problems or the promotion of industry or Trade in general.



23. To have to do with the organizations, firms, and individuals that provide services in connection with the services of the main objects of the company.

24. To procure the Company or its offices to be recognized in or under the law of any country or place outside India.

25. To do all or any of the above thing in any part of the world and either as principal, agent, contractor, or otherwise, and by or through trustees or agents and either alone or in conjunction with others.

26. To establish the agency of any subsidiary Company or Companies and to reorganize, promote or incorporate such subsidiary company or companies and to enter into any arrangement with such subsidiary company for taking the profits and bearing the losses of any business or branch so carried on or for the financing any such subsidiary company or guaranteeing its liabilities or to make any other arrangements which may seem desirable with reference to any business or branch so carried on including power at any time and either temporarily to close any such branch or business.

27. To amalgamate, enter into partnership, joint venture, foreign collaboration for exports and capital goods or into any arrangement for sharing profits or losses, union or interests, co-operation or reciprocal concession or for limiting competition with any person or Company or engaged in, or about to engage in or engaged in similar business or transaction which the Company is authorized to engage in or engaged, or which can be carried on in conjunction therewith, and to accept by way of consideration of any of the acts or things aforesaid or property acquired, any shares, debentures, stock or securities that may be agreed upon, and to hold and retain or sell, mortgage and deal with any shares, debentures, debenture stock or securities so received.

28. To alter, manage, develop, exchange, lease, mortgage, underlet, give in gifts or dispose of, improve or deal with the land, property, assets and rights and resources and undertaking of the company or any part thereof for such considerations as the Company may think fit, in particular for shares, debentures, or securities of any other company having objects altogether or in part similar to those of the Company in cash or in specie any property or assets of the Company, provided that no such distribution amounts to reduction of share capital except in accordance with the provisions of the Companies Act 2013 in this behalf.

29. To invest surplus moneys of the Company not immediately required in such manner as may from time to time be determined.

30. To sell or dispose any of the undertaking of the Company or any part thereof for such consideration as the Company may think fit, and in particular for shares, debentures or securities of any other Company.

31. To create any reserve fund, sinking fund, or any other special fund whether for depreciation or for repairing, improving extending or maintaining, any of the property of the Company or for purposes conducive to the interests of the Company.

32. To establish or promote or concur in establishing or promoting any company or companies for the purpose of acquiring all or any of the property, rights and liabilities of the Company or to place of guarantee the placing of, underwrite, subscribe for or otherwise acquire all or any part of the shares, debentures and or other securities of any such other Company.

33. To appoint attorneys for the Company and to grant necessary powers to the attorneys to act for and in the name of the Company or on behalf of the Company or to revoke all or any such powers as given.

34. To establish and maintain or procure the establishment and maintenance of any contributory or non-contributory pension or superannuation funds for the benefit of and give or procure the giving of donations, gratuities, pensions, allowance or emoluments to any persons who are or were at any time in the employment or service of the Company.

Subject to the provisions of the Companies Act, 2013, and other provision of any law for the time being, to create Reserve or to distribute bonus shares out of monies received as premium on shares or debentures or sale of forfeited shares or accruals of dividends on forfeited shares.

36. Subject to the provisions of the Companies Act, 2013 to distribute among the members in specie any property of the Company or any proceeds of sale or disposal of any property of the Company, in the event of winding up of the Company.

37. Subject to the provisions of the Companies Act, 2013 to take, subscribe or acquire and hold, share, stocks, debentures, debenture-stock, bonds fixed deposits, obligations and securities issued or guaranteed by the Company constituted or carrying on business in India or in any foreign country and debentures, debenture-stock, bonds, obligations and securities issued by guaranteed by any government, sovereign, ruler, commissioner, public body or authority, supreme, municipal, local or otherwise whether at home or abroad as trade investments and buy and sell foreign exchange in accordance with applicable laws and generally subject to approval under the provisions of the Companies Act, 2013 and to invest and deal with the money of the Company in such manner and extent from time to time may be thought proper, and to hold, sell or otherwise deal with such investments may be deemed necessary.

38. To apply for, promote and obtain any act, charter, order regulation, privilege, concession, license or authorization of any Government, State or municipality or any authority or corporation or public body which may be empowered to grant for enabling the Company to carry any of its objects into effect or for extending any of the power of the Company or for any other purpose which may seem expedient and to oppose any bills, proceedings or application which may seem calculated directly or indirectly to prejudice the Company's interests and to appropriate any of the Company's shares, debentures or other securities and assets to defray necessary costs, charges and expenses thereof.

39. Subject to the provisions of the Companies Act, 2013, to undertake and execute any trust or discretion the undertaking whereof may seem desirable and the distribution amongst the beneficiaries, pensioner or other persons, entitled thereto, of any income capital of annuity, whether periodically or otherwise, and whether in money or specie, in pursuance of any trust, direction, discretion obligation or permission.



40. To let on lease or hire the whole or any part of the movable or immovable property and undertaking of the Company or any part of the property of the company as may not be immediately required for the principal business of the Company on such terms, as the Company shall determine.

41. To appoint or nominate Directors or Managers of any subsidiary company or of any other company in which the Company may be interested.

42. To hold, deal with, manage, direct the management to buy, sell, exchange, mortgage, charge, lease, dispose of or grant any right or interest in, over or upon any real or personal property of any kind whatsoever, including contingent and reversionary interests in any property.

43. To refer or agree to refer any claim, demand, dispute or any other question, by or against the Company or in which the Company is interested or concerned, and whether between the Company and any member or members or his or their representatives, or between the Company and third parties, to arbitration in India or in any place outside India, pursuant to Indian or any foreign system of law, and to observe and perform and to do all acts, deeds, matters and things to carry out or enforce any award.

44. To insure the whole or any part of the property of the Company either fully or partially, to protect and indemnify the Company from liability or loss in respect hereof either fully or partially.

45. To undertake, carry out, promote and sponsor rural development including any programme for promoting the social and economic welfare of or the uplift of the public in any rural area and to incur any expenditure or any programme of rural development and to assist execution and promotion thereof either directly or through an independent agency or in any other manner, without prejudice to the generality of foregoing programmes of rural development? shall also include any programme for promoting the social and economic welfare the uplift of the public in any rural area likely to promote and assist rural development, and that words "rural areas" shall include such area as may be regarded as rural areas under Section 35 CC of the Income-tax Act, 1961, or any law relating to rural development for the time being in force as rural areas and in order to implement any of the above mentioned objects or purposes, transfer without consideration, or at such fair or concessional value and subject to the provision of the Companies Act, divest the ownership of any property of the Company to or in favor of any public body or authority or central or State Government or any Public institutions.

4. The liability of the member(s) is limited and this liability is limited to the amount unpaid, if any, on the shares held by them.

5. The share capital of the company is

1,500,000.00

rupees, divided into,

150,000.00	Equity	shares of	10.00	rupees each	and
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6 ☒ We, the several persons, whose names and addresses are subscribed, are desirous of being formed into a company in pursuance of this memorandum of association, and we respectively agree to take the number of shares in the capital of the company set against our respective names:

☐ I, whose name and address is given below, am desirous of forming a company in pursuance of this memorandum of association and agree to take all the shares in the capital of the company (Applicable in case of one person company):

[Signature]



S.No.	Subscriber Details				
	Name, Address, Description and Occupation	DIN/PAN/Passport Number	No. of shares taken	OSC	Dated
1	Sterlite Power Transmission Limited, CIN: U74120PN2015PLC156643, R/o 4th Floor, Godrej Millennium 9 Koregaon Road, Pune-411001 (Through its Authorised Representative, Mr. Ashok Ganesan, Company Secretary S/o Mr. Ganesan Maruthamuttu R/o BD 9D, Block BD, DDA Flats, Munirka, JNU South West, Delhi-110067), Business	AHYPKS104G	149,994 Equity Preference	ASHOK GANESAN	14/05/22
2	Mr. Amarendra Nath Tatimakula Reddy S/o Mr. Reddy Sambasiva Tatimakula (Nominee of M/s Sterlite Power Transmission Limited) R/o D-2/43, Gold Craft Apartment Plot No. 4, Near Ashirwad Chowk, Sector-11, Dwarka, Delhi-110075, Service	07107290	1 Equity Preference	AMARENDRANATH TATIMAKULA	14/05/22
3	Ms. Nikita Gupta D/o Mr. Pankaj Gupta (Nominee of M/s Sterlite Power Transmission Limited) R/o 476-B Shakti Nagar, Gular Road Behind Gayatri Palace, Aligarh, Uttar Pradesh-202001, Service	CCBPG8818C	1 Equity Preference	NIKITA GUPTA	14/05/22
4	Ms. Shilpi Rungta D/o Mr. Jagdish Kumar Aggarwal (Nominee of M/s Sterlite Power Transmission Limited) R/o 24C Citizen Enclave, Sector 14, Rohini, New Delhi-110085, Service	AEAPG6782P	1 Equity Preference	SHILPI RUNGTA	14/05/22
5	Ms. Megha Sharma D/o Mr. Sharad Kumar Sharma (Nominee of M/s Sterlite Power Transmission Limited) R/o 738, Satghara Gali, Chhatra Bazar, HoliGate Mathura, Uttar Pradesh-281001, Service	KYDPS2220H	1 Equity Preference	MEGHA SHARMA	14/05/22
6	Ms. Pankhuri Wairange D/o Mr. Brajbhushan Prasad Verma (Nominee of M/s Sterlite Power Transmission Limited) R/o 1901-1802, Murrah City of Joy, ACC Compound, Mulund W, Mumbai, Maharashtra-400080, Service	ALRPP2079G	1 Equity Preference	PANKHURI WAIRANGE	14/05/22
7	Mr. Manish Panjwani S/o Mr. Laxman Dass Panjwani (Nominee of M/s Sterlite Power Transmission Limited) R/o 92-D, CC Block, Shalimar Bagh, New Delhi-110088, Service	ARPPP1934Q	1 Equity Preference	MANISH PANJWANI	14/05/22
Total Shares taken			150,000 Equity Preference		

Signed before Me

Name	Address, Description and Occupation	DIN/PAN/Passport Number/ Membership Number	OSC	Dated
------	-------------------------------------	-----------------------------------------------	-----	-------



FCS	MEHAK GUPTA	304, 6A/1, Ganga Chamber, W.E.A, Karol Bagh, New Delhi-110005, Practising Company Secretary	10703	MEH AK GUP TA <small>Copy checked by Subodh Kumar Date 20/05/22 14/05/22</small>	14/05/22
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Modify

Check Form




Authorization
(Supporting of Annexure-5)





सत्यमेव जयते

INDIA NON JUDICIAL

Government of National Capital Territory of Delhi

e-Stamp

Certificate No.	JN-OL-37809519844830V
Certificate Issued Date	28-Aug-2023 04:19 PM
Account Reference	IMPACC (IVV) 01074803/ DELHI/OL-DLH
Unique Doc. Reference	SUBIN-DLDL 107480362811634198982V
Purchased by	STERLITE GRID 32 LIMITED
Description of Document	Article Others
Property Description	Not Applicable
Consideration Price (Rs.)	0 (Zero)
First Party	STERLITE GRID 32 LIMITED
Second Party	Not Applicable
Stamp Duty Paid By	STERLITE GRID 32 LIMITED
Stamp Duty Amount(Rs.)	100 (One Hundred only)



FORMAT FOR AUTHORISATION

The undersigned hereby authorize(s) and request(s) all our Bankers, including its subsidiaries and branches, any person, firm, corporation or authority to furnish pertinent information deemed necessary and requested by PPC Consulting Limited to verify our Bid for selection of Bidder as Transmission Service Provider to establish Inter-State Transmission system for "Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex); PART-B" through tariff based competitive bidding process or regarding our project development experience, financial standing and general reputation.



For and on behalf of M/s Sterlite Grid 32 Limited (Bidding Company)

Mayank
(Signature)



Name of Authorized Signatory: Mayank Bhatnagar

(Signature and Name of the authorized signatory of the Company)

Place :

Date :

.....
(Company rubber stamp/seal)

.....
(Signature of Notary Public)

Place :

Date :



ATTESTED

NOTARY PUBLIC
NEW DELHI. (INDIA)

04 OCT 2023



ANNEXURE 7A - FORMAT FOR QUALIFICATION REQUIREMENT

A. NET WORTH

To,
PPC Consulting Limited
9th Floor, Wing-A, Statesman House,
Connaught Place, New Delhi - 110001

Dear Sir,

Sub: Bid for selection of Bidder as Transmission Service Provider to establish Inter-State Transmission System for "Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-I) (Bikaner Complex); Part-B" through tariff Based competitive bidding process.

1. [Note: Applicable in case of Bidding Company]

We certify that Sterlite Power Transmission Limited (Financially Evaluated Entity) had a Network of Rs. 2272.05 Crore or equivalent USD* computed as per instructions in this RFP based on Unconsolidated audited annual accounts (refer Note-2 below) of any of the last three (3) financial years as provided in Clause 2.2.3, immediately preceding the Bid Deadline. Also, the Network of any of the last three (3) financial years is not negative.

Name of Financially Evaluated Entity	Relationship with Bidding Company**	Financial Year	Network (Rs. Crore)
Sterlite Power Transmission Limited	Parent	31 st March 2023	2272.05
Total Network			2272.05

* Equivalent USD shall be calculated as per provisions of Clause 3.4.1;

** The column for "Relationship with Member of Bidding" is to be filled in only in case the financial capability of Parent / Affiliate has been used for meeting Qualification Requirements.

Your Faithfully

(Signature and name of the authorized signatory of the Company and Stamp)

Name : Mayank Bhargava
Date : 04 DEC 2023
Place : Gurugram



**Annexure 7A Qualification
Requirement – Net worth**



Handwritten signature



(Signature and Stamp of statutory Auditors of Bidding Company)

For KNPS & Associates
(Chartered Accountants)

FRN: 024073N

UDIN : 23506310BGWBJN7966

Name : Kumar Nagpal 04 OCT 2023

Date :

Place : Gurgaon

Date : 04 OCT 2023

Notes:

1. Along with the above format, in a separate sheet, please provide details of computation of Networth of last three (3) financial years duly certified by Statutory Auditor.
2. Audited consolidated annual accounts of the Bidder may be used for the purpose of financial criteria provided the Bidder has at least 26% equity in each company whose accounts are merged in the audited consolidated accounts and provided further that the financial capability of such companies (of which accounts are being merged in the consolidated accounts) shall not be considered again for the purpose of evaluation of the Bid.
3. In case Bidder or a Member of Consortium takes recourse to its Parent/Affiliate for meeting technical / financial requirements, then the financial years considered for such purpose should be same for the Bidder / Member of Consortium and their respective Parent / Affiliate.





The Institute of Chartered Accountants of
India

[Set up by an Act of Parliament]



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DOCUMENT DETAILS

Verification Date/Time: 04-10-2023 04:47:49

UDIN Generation Date/Time: 04-10-2023 15:55:10

CA is entitled to revoke the UDIN, if he so desires, on or before 06-10-2023 15:55:10.
You may like to verify this particular UDIN after 06-10-2023 15:55:10.

Unique Document Identification Number
(UDIN): 235063 MBGWAH47966

Member Details: KUNJAR PRAGMANI (506310)

Firm Details: 02407374

Document Type: Certificate

Type of Certificate: Others

Date of signing of Document: 04-10-2023

Figure/Particulars:
1 Total Net Worth: 2272.65 crore
2 Project Cost: 2308.16 crore
3 Shareholding of Parent Company: 100%

Document Description: Bid Certificate of SLS30L

Status: Active



UDIN: 235063

[Signature]

S R B C & CO LLP
Chartered Accountants

Ground Floor
Panchsheel Tower, New Delhi
(Near Don Bosco School)
Phase - 1, J-1006, India
Tel. : +91 20 6683 6009

Independent Auditor's Report on the Statement of Computation of Unconsolidated Net worth as at March 31, 2023, March 31, 2022 and March 31, 2021 of Sterlite Power Transmission Limited

To
The Board of Directors
Sterlite Power Transmission Limited
DLF Cyber Park, Tower - B, 9th Floor,
Udyog Vihar Phase-III, Sector 20,
Gurgaon, Haryana, India, 122008.

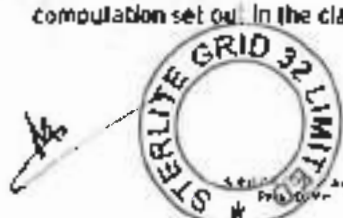
1. This Report is issued in accordance with the terms of our service scope letter dated September 05, 2022, and master engagement agreement dated September 05, 2022 with Sterlite Power Transmission Limited (hereinafter the "Company")
2. At the request of the management, we have examined the accompanying Statement of Net Worth based on the Unconsolidated Financial Statements of the Company as at March 31, 2023, March 31, 2022 and March 31, 2021 (hereinafter referred as the "Statement"), which we have initiated for identification purposes only. The Statement together with our report thereon is required by the Company pursuant to compliance with the terms and conditions contained in Clause 2.1.3.1 of the Single Stage Request for Proposal document for selection of Bidder as Transmission Service Provider through Tariff Based Competitive Bidding Process to Establish Inter-State "Transmission System for Evacuation of Power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex) Part-B" issued by PFC Consultancy Limited (the "Bid Process Coordinator") dated February 15, 2023 including various notifications and amendments issued from time to time (the "RFP" or "Tender Document").

Management's Responsibility

3. The accompanying Statement is the responsibility of the Management of the Company including the preparation and maintenance of all accounting and other relevant supporting records and documents. This responsibility includes the design, implementation, and maintenance of internal control relevant to the preparation and presentation of the Statement and applying an appropriate basis of preparation; and making estimates that are reasonable in the circumstances.
4. The Management is also responsible for ensuring that the Company complies with the requirements of the Tender Document and provides all relevant information to the Bid Process Coordinator.

Auditor's Responsibility

5. Pursuant to the requirements of clause 2.1.3.1 of the Tender Document it is our responsibility to provide a reasonable assurance in the form of an opinion based on our examination whether:
 - (i) The amounts in the Statement that form part of Unconsolidated Net worth Computation are based on the Unconsolidated Financial Statements of the Company as at March 31, 2023, March 31, 2022 and March 31, 2021 and have been accurately extracted from the audited Unconsolidated Financial Statements and the computation of Unconsolidated Net Worth is arithmetically correct; and
 - (ii) The computation of Unconsolidated Net Worth is in accordance with the method of computation set out in the clause 2.1.3.2 of the Tender Document.



DISCLAIMER

This UDIN System has been developed by ICDL to its Member As members for verification and certification of the documents and for security documents and authenticity thereof by Registrar.

However ICDL assumes no responsibility or verification and certification of documents carried out by the Members and the concerned members shall alone be responsible therefore.

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S R B C & CO LLP

Chartered Accountants

6. We audited the Unconsolidated Financial Statements of the Company as at and for the financial year ended March 31, 2023, March 31, 2022 and March 31, 2021 (hereinafter referred to as "the Unconsolidated Financial Statement"), on which we issued unmodified audit opinion vide our reports dated August 11, 2023, May 27, 2022 and May 21, 2021. Our audit of these financial statements were conducted in accordance with the Standards on Auditing, as specified under Section 143(10) of the Companies Act, 2013, as amended and other applicable authoritative pronouncements issued by the Institute of Chartered Accountants of India ("ICAI"). Those Standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement.
7. We conducted our examination of the Statement in accordance with the Guidance Note on Reports or Certificates for Special Purposes issued by the ICAI. The Guidance Note requires that we comply with the ethical requirements of the Code of Ethics issued by the ICAI.
8. We have complied with the relevant applicable requirements of the Standard on Quality Control (SQC) 1, Quality Control for Firms that Perform Audits and Reviews of Historical Financial Information, and Other Assurance and Related Services Engagements.
9. A reasonable assurance engagement involves performing procedures to obtain sufficient appropriate evidence on the applicable criteria as mentioned in paragraph 5 above. The procedures selected depend on the auditor's judgement, including the assessment of the risks associated with the applicable criteria. Accordingly, we have performed the following procedures in relation to the Statement:
- Traced and agreed the amounts in the attached Statement to the audited Unconsolidated Financial Statements as referred to in paragraph 5 above.
 - Compared the method of computation of net worth in the Statement with the method given in clause 2.1.3.2 of the Tender Document.
 - Tested the arithmetical and clerical accuracy of the Statement.
 - Performed necessary inquiries with the management and obtained necessary representations from the management.
 - As per Clause 2.1.3.1 contained in the Tender Document, the Net Worth computation should be based on Unconsolidated Financial Statements or Consolidated Financial Statements for any of the last three years immediately preceding the date of the bid deadline. Accordingly, the management has selected the Unconsolidated Financial Statements as mentioned in paragraph 5 above as the basis for Net Worth Computation.

Opinion

10. Based on our examination, as above, we are of the opinion that the amounts in the Statement that form a part of the Net Worth computation have been accurately extracted from the audited Unconsolidated Financial Statements for the year ended March 31, 2023, March 31, 2022 and March 31, 2021 and that the computation of Net Worth in the Statement is mathematically accurate; and is in all material respects, in accordance with the method of computation set out in the clause 2.1.3.2 of the Tender Document.



SRBC & CO LLP

Chartered Accountants

Restriction on Use

11. This report is addressed to and provided to the Board of Directors of the Company solely for the purpose given in paragraph 2 above and should not be used by any other person or for any other purpose. Accordingly, we do not accept or assume any liability or any duty of care for any other purpose or to any other person to whom this report is shown or into whose hands it may come. We have no responsibility to update this report for events and circumstances occurring after the date of this report.

For SRBC & CO LLP

Chartered Accountants

ICAI Firm Registration Number: 324982E/E300003



per Paul Alvares
Partner

Membership Number: 105754

UDIN: 23105754B60U06296

Place of Signature: Pune

Date: September 15, 2023



Sterlite Power Transmission Limited, DLF Cyber Park Tower-8, 9th Floor, Gurgaon Phase-III, Sector-20,
Gurgaon-122001, Haryana India +91 0124 4562 000

Sterlite

Statement of Computation of Unconsolidated Net worth as at March 31, 2023, March 31, 2022 and March 31, 2021 of Sterlite Power Transmission Limited

Single Stage Request for Proposal document for selection of Bidder as Transmission Service Provider through Tariff Based Competitive Bidding Process to Establish Inter-State Transmission System for "Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex)-PART-6" issued by PFC Consulting Limited (the "Bid Process Coordinator") dated February 15, 2023 including various notifications and amendments issued from time to time (the "RFP" or "Tender Document").

Particulars	As at March 31, 2023	As at March 31, 2022	As at March 31, 2021
Equity Share Capital (A)	244.72	122.36	122.36
Add: Reserves (refer note 2 below) (B)	18,137.88	19,507.73	13,500.32
Less: Revaluation Reserves (refer note 3 below) (C)	(4,407.83)	2.53	7,287.23
Less: Intangible Assets (D)	69.93	96.29	152.19
Less: Miscellaneous Expenditure to the extent not written off and carry forward losses (E)			
Net Worth (F) = (A) + (B) - (C) - (D) - (E)	22,720.38	19,531.27	6,363.26

Notes:

- The above figures have been extracted from the audited Unconsolidated Financial Statements of Sterlite Power Transmission Limited as at and for the year ended March 31, 2023, March 31, 2022 and March 31, 2021 which have been prepared in accordance with Indian Accounting Standards (Ind AS) specified under Section 133 of the Companies Act, 2013 read with the Companies (Indian Accounting Standards) Rules, 2015, as amended.
- "Reserves" in the above table include the balances of the following captions in the Unconsolidated Financial Statements:

Particulars	As at March 31, 2023	As at March 31, 2022	As at March 31, 2021
Securities premium (A)	4,450.46	4,536.60	4,528.00
Retained earnings (B)	17,286.19	14,932.38	1,820.28
Revaluation Reserves (refer note 3 below) (C)	(4,407.83)	2.53	7,287.23
Capital Redemption Reserve (D)		36.02	36.02
Debt Redemption Reserve (E)	250		
Share Based Payment Reserve (F)	59.06		
Total Reserves (G) = (A) + (B) + (C) + (D) + (E) + (F)	18,137.88	19,507.73	13,480.32



Registered Office: 4th Floor, Godrej International, 9 Kirti Nagar Road, Puna, Maharashtra - 411001
CIN: U74120MH2005PLC186043 | www.spower.com



Sterlite Power Transmission Limited, D-1 Cyber Park Tower-II, Sector-29, Gurgaon-122006, Haryana India +91 0124 4562 000

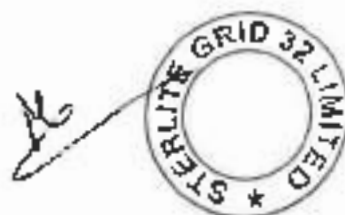
Sterlite

3. 'Revaluation Reserves' in the above table include the balances of the following captions in the audited Unconsolidated Financial Statements:

Particulars	(Rs. in millions)		
	As at March 31, 2023	As at March 31, 2022	As at March 31, 2021
Cash Flow Reserve (A)	22.34	1,609.10	769.94
Fair Value (Loss)/OCI (B)	(4,430.17)	(1,600.57)	6,517.29
Total Revaluation Reserves (C) = (A) + (B)	(4,407.83)	2.53	7,287.23

For Sterlite Power Transmission Limited

Neelaj Arlaiah
Senior Vice President-Finance
Place: Gurgaon
Date: 16-04-2023





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(Set up by an Act of Parliament)



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Unique Document Identification Number (UDIN): 23105754B5GQUQ0296

Member Details: RAJL MOCHHALL ADVOCATES (1057540)

Firm Details: 3249526/E300003

Document Type: Certificates

Type of Certificate: Capital Contribution Certificate/net worth certificate

Date of signing of Document: 15-09-2023

Figures/Particulars:
1. Net Worth as at March 31, 2023: INR 22,920.90 million
2. Net Worth as at March 31, 2022: INR 19,531.22 million
3. Net Worth as at March 31, 2021: INR 6,363.26 million

Document Description: Independent Auditor's Report on the Statement of Composition of Unconsolidated Net worth as at March 31, 2023, March 31, 2022 and March 31, 2021 of Client, pursuant to a Tender requirement

Status: Active



VERIFY ANOTHER UDIN/EXIT

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Annexure 7B - Technical Requirement



ANNEXURE 7B - TECHNICAL REQUIREMENT

To,
PFC Consulting Limited
9th Floor, Wing-A, Statesman House,
Connaught Place, New Delhi - 110001

Dear Sir,

Sub: Bid for selection of Bidder as Transmission Service Provider to establish Inter State Transmission System for "Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-I) (Bikaner Complex) Part-B" through tariff based competitive bidding process.

1. To be used by Bidder using the development experience in infrastructure sector

We certify that M/s. Lakadia-Vadodara Transmission Project Limited (Insert name of Technically Evaluated Entity(ies)) have experience of development of projects in the infrastructure sector in the last five (5) years whose aggregate capital expenditure is Rs. 2308.76 Crore or equivalent USD*. We further certify that the capital expenditure of any single project considered for meeting the technical Qualification Requirement is not less than Rs. 182 Crore or equivalent USD*. For this purpose, capital expenditure incurred on projects which have been either wholly completed / commissioned or partly completed projects put under commercial operation and for which operation has commenced till at least seven (7) days prior to the Bid Deadline has been considered.

The project(s) considered for the purpose of technical experience (as per table given below) have been executed and owned to the extent as indicated in the table below (to be at least twenty – six percent (26%)) by the Bidding Company / Lead Member of the Consortium / our Parent / our Affiliate(s) (strike off whichever is not applicable) on operation of the projects.

This technical requirement has been calculated as per the instructions provided in the RFP on the basis of following projects:

Name of Company (which has executed the project at (3)) whose technical capability has been used for Qualification Requirement	Relation ship with Bidding Company / Lead Member	Project name	Nature of Project (BOOT, BOT, BOOM, DB FOT etc.)	Relevant Infrastructure sector	Date of Financial Closure of the Project (in DD / MM / YYYY)	Date of Completion / Commissioning / Commercial Operation of partly completed projects	Project Cost (Rs. Crore)	Percentage Equity Holding of Company at (1) to Completed project(s)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
Lakadia-Vadodara Transmission Project Limited (LVTPLE)	Affiliate	WRSS- 21 (Part-B) Transmission System strengthening for relieving over loadings observed in Gujarat Intra-state system due to RE injections in Bhuil PS	BOOM	Transmission	02/06/2020	28/01/2023	2308.76	50%
Total (Rs. Crore)							2308.76	



Your Faithfully

Mayan



(Signature and name of the authorized signatory of the Company and Stamp)

Name : Mayank Bhatnagar

Date :

Place : Gurugram

04 OCT 2023

NM



(Signature and Stamp of statutory Auditors of Bidding Company)

For KNPS & Associates

(Chartered Accountant)

FRN: 024073N

Name : Kumar Rajendra

Date :

Place : Gurugram

UDIN: 23506310BGWAJN7966

Notes :-

- Along with the above format, in a separate sheet, please provide details of computation of capital expenditure of projects duly certified by Statutory Auditor of the project company. In addition, the Statutory Auditor of the project company should also certify that the capital expenditure of projects commissioned or completed 7 days prior to Bid Deadline has been capitalized in the books of accounts.

Additionally, in case construction experience is used, a certificate(s) from the statutory auditors stating the payments received and the concerned client(s) stating the works commissioned during the past 5 years in respect of the projects specified above. In case a particular job/ contract has been jointly executed by the Bidder (as part of a consortium), it should further support its claim for the share in work done for that particular job/ contract by producing a certificate from its statutory auditor or the client.

- In case the accounts for the financial year in which the project claimed for meeting qualification requirement has been commissioned are not audited, the Bidder shall give declaration in this regard duly certified by its statutory auditor. In such a case, Bidder shall provide details of computation of capital expenditure of such project(s) duly certified by Statutory Auditor of the project company and the Statutory Auditor of the

project company should also certify that the capital expenditure of projects commissioned or completed shall be capitalized in the books of accounts upon finalization.

- The unconsolidated audited annual accounts of both the TEE and the Bidding Company / Lead Member for the respective financial years (financial years in which financial closure was achieved to the financial year in which the said project was completed / commissioned) should be submitted.



S R B C & CO LLP
Chartered Accountants

Ground Floor
Panchsheel Tech Park, Newwada
100/2, Dabholkar Road, Newwada
Pune - 411 004, India
Tel : +91 20 6607 6000

Independent Auditor's Report on Statement of additions to gross block of property, plant and equipment in respect of construction of transmission line and bays undertaken by Lakadla-Vadodara Transmission Project Limited during the year April 01, 2022 to March 31, 2023

To,
The Board of Directors
Lakadla-Vadodara Transmission Project Limited
DLF Cyber Park, Block B, 9th Floor,
Udyog Vihar, Phase III, Sector- 20,
Gurgaon HR 122008 India

1. This Report is issued in accordance with the terms of our Service Scope Letter (SSL) dated July 17, 2023 and Master Engagement Agreement (MEA) dated December 28, 2022, as amended, with Lakadla-Vadodara Transmission Project Limited (hereinafter the "Company").
2. The accompanying Statement of additions to gross block of property, plant and equipment in respect of construction of transmission line and bays undertaken by Lakadla-Vadodara Transmission Project Limited ("the Company") during the year April 01, 2022 to March 31, 2023 has been prepared by the Company (the "Statement"), which we have initiated for identification purposes only. We have been informed that the Statement along with this report is proposed to be submitted by Sterlite Grid 32 Limited ("SG32L"), a fellow subsidiary of the Company, to PFC Consulting Ltd. (the "Bid Process Coordinator") in response to a Single Stage Request for Proposal Document for selection of bidder as transmission service provider through tariff based competitive bidding process to establish Inter-State Transmission system for "Transmission System for Evacuation of Power from Rajasthan REZ Ph-IV (Part-I) (Bikaner Complex) : Part B" dated February 15, 2023 (hereinafter referred to as the "RFP" or "Tender Document").

Management's Responsibility for the Statement

3. The preparation of the Statement is the responsibility of the Management of the Company including the preparation and maintenance of all accounting and other relevant supporting records and documents. This responsibility includes the design, implementation, and maintenance of internal control relevant to the preparation and presentation of the Statement and applying an appropriate basis of preparation; and making estimates that are reasonable in the circumstances.
4. The management of SG32L is responsible for ensuring that it complies with the requirements of the Tender Document and for providing all relevant information to the Bid Process Coordinator.

Auditor's Responsibility

5. Pursuant to the requirement as stated in paragraph 2 of this report, it is our responsibility to provide a reasonable assurance whether the amounts of additions to gross block of property, plant and equipment stated in the Statement for the year April 01, 2022 to March 31, 2023 have been accurately extracted from the audited financial statements for the year ended March 31, 2023.

We have no responsibility for ensuring that either the Company or SG32L complies with the requirements of the Tender Document.

6. The audited financial statement of the Company for the financial year ended March 31, 2023 referred to in paragraph 5 above, have been audited by us on which we issued an unmodified audit opinion vide our report dated July 12, 2023. Our audit of the above financial statement was conducted in accordance with the Standards on Auditing, as specified under Section 143(10) of the Companies Act, 2013 and other applicable authoritative pronouncements issued by the Institute of Chartered Accountants of India. Those Standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statement are free of material misstatement.



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S R B C & CO LLP

Chartered Accountants

7. We conducted our examination of the Statement in accordance with the Guidance Note on Reports or Certificates for Special Purposes issued by the Institute of Chartered Accountants of India. The Guidance Note requires that we comply with the ethical requirements of the Code of Ethics issued by the Institute of Chartered Accountants of India.
8. We have complied with the relevant applicable requirements of the Standard on Quality Control (SQC) 1, Quality Control for Firms that perform Audits and Reviews of Historical Financial Information, and Other Assurance and Related Services Engagements.
9. A reasonable assurance engagement involves performing procedures to obtain sufficient appropriate evidence on the reporting criteria mention in paragraph 5 above. The procedures selected depend on the auditor's judgement, including the assessment of the risks associated with the reporting criteria. We have performed the following procedures in relation to the Statement:
- Traced and agreed the amount of additions to gross block of property, plant and equipment in the attached Statement, to the audited financial statement of the Company for the year ended March 31, 2023 as referred in paragraph 5 above.
 - Tested the arithmetical and clerical accuracy of the Statement.
 - Performed necessary inquiries with the management and obtained necessary representations.
 - The date of commissioning of Project elements as specified in the Statement are as certified by the management. We have relied on management representation and have not performed any procedures in this regard.

Opinion

10. Based on the procedures performed by us mentioned in paragraph 9 above and to the best of our information and according to the explanations given to us and read with our comments in paragraphs 5 to 9 above, we are of the opinion that the amount in the Statement has been accurately extracted from the audited books of accounts of the Company for the year ended March 31, 2023.

Restriction on Use

11. The report is addressed to and provided to the Board of Directors of the Company solely for the purpose as set out in paragraph 2 and is not to be used, referred to or distributed for any other purpose. Accordingly, we do not accept or assume any liability or any duty of care for any other purpose or to any other person to whom this report is shown or into whose hands it may come. We have no responsibility to update this report for events and circumstances occurring after the date of this report.

For S R B C & CO LLP
Chartered Accountants
ICAI Firm Registration Number: 324982E/E300003

per Mustafa Saleem
Partner

Membership Number: 136969

UIN: 231369698GXFI23947

Place of Signature: Pune

Date: September 06, 2023

Handwritten signature



Lakadia-Vadodara Transmission Project Limited, 9th Floor, Cyber Park Tower-B, 9th Floor, Udyog Vihar Phase-II, Sector-20, Gurgaon-122008, Haryana India +91 0124 4542 600

+ Sterlite Power

Statement of additions to gross block of property, plant and equipment in respect of construction of transmission line and bays undertaken by Lakadia-Vadodara Transmission Project Limited during the year April 01, 2021, to March 31, 2023

Item	Particulars of the Project									
Title and nature of the Project	WRSS- 21 (Part-B) Transmission System strengthening for relieving over loadings observed in Gujarat Intra-state system due to RL injections in EHV PS									
Total capital expenditures capitalised	Rs. 2,308.76 crore									
Description of the Project elements commissioned	i. Lakadia – Vadodara 765kV D/c line ii. 330MVAx switchable line reactor at both ends of Lakadia – Vadodara 765kV D/c line along with 500 ohms NGR at both ends of Lakadia – Vadodara 765kV D/c line (330 MVAR line reactor - 4 nos. & 765kV Reactor bay - 4 nos.) iii. 2 nos of 765kV bays each at Lakadia and Vadodara S/S for Lakadia – Vadodara 765kV D/c line (765kV line bay - 4 nos.)									
Additions to gross block of property, plant and equipment (excluding land) (Refer Note 1 and Note 2 below)	Additions to gross block of property, plant and equipment (excluding land) <table><tr><th>Financial Year</th><th>Additions</th><th>Closing Gross Block</th></tr><tr><td>March 31, 2023</td><td>2,308.76</td><td>2,308.76</td></tr><tr><td>Total</td><td>2,308.76</td><td>2,308.76</td></tr></table>	Financial Year	Additions	Closing Gross Block	March 31, 2023	2,308.76	2,308.76	Total	2,308.76	2,308.76
Financial Year	Additions	Closing Gross Block								
March 31, 2023	2,308.76	2,308.76								
Total	2,308.76	2,308.76								
Entity for which project was constructed/developed (Refer Note 3 below)	Lakadia-Vadodara Transmission Project Limited									
Location	State of Gujarat, India									
Date of commissioning or capitalization (Refer Note 3 below)	All elements commissioned on January 28th, 2023									

Note 1

Gross block of Property, Plant and Equipment mentioned above is based on the audited financial statement of the Company for the year ended March 31, 2023. The amount does not represent cash out flow of the year. Gross block of property, plant and equipment for the above purpose excludes cost of land and includes expenditures such as borrowing cost & other ancillary costs which are capitalised as part of property, plant and equipment in accordance with the generally accepted accounting principles in India.

Note 2

The Company entered into engineering, procurement and construction contract with Sterlite Power Transmission Limited, joint venture for the construction of power transmission lines and bays.

Note 3

The date of commissioning/capitalization of Project elements as specified in the above table is as certified by the management and relied upon by the auditor.

For Lakadia-Vadodara Transmission Project Limited

Ashish Vasanthi
Finance Head
Date: 06.09.2023
Place: Gurgaon



Registered Office: 9th Floor, Cyber Park Tower-B, 9th Floor, Udyog Vihar Phase-II, Sector-20, Gurgaon-122008, Haryana India +91 0124





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Member Details: MUSTAFA MUHAMMAD MUSSAMM SALEEM (136960)

Firm Details: 32#5826/E300003

Document Type: Certificates

Type of Certificate: Others

Date of signing of Document: 06-09-2023

Figures/Particulars:
1. Additions to gross block of property, plant and equipment (excluding land) as at March 31, 2023: 2,308.18 crore
2. NA: 0

Document Description: Independent Auditor's Report on Statement of additions to gross block of property, plant and equipment in context of construction of transmission line and bays undertaken by Lakshmi-Vadodara Transmission Project Limited during the year April 01, 2022

Status: Active



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**Annexure 7C - Technical and Financial
Requirement – Relationship & Equity
Shareholding**



ANNEXURE 7C - FOR TECHNICAL & FINANCIAL REQUIREMENT - RELATIONSHIP & DETAILS OF EQUITY SHAREHOLDING

To,

PFC Consulting Limited
9th Floor, Wing-A, Statesman House,
Connaught Place, New Delhi - 110001

Dear Sir,

Subj: Bid for selection of Bidder as Transmission Service Provider to establish Inter State Transmission System for "Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-I) (Bikaner Complex): PART-B" through tariff based competitive bidding process.

We certify that M/s Sterlite Grid 32 Limited (Bidding Company / Consortium-Members) have considered the technical and financial capability of its Parent and /-or Affiliates, for the purpose of meeting Qualification Requirements as per the instructions provided in the RFP. The name of Parent and /-or Affiliate, nature of relationship(s) with such Parent and /-or-Affiliate and details of equity holding are as follows:

Name of Company whose credentials considered	Type of credentials considered (technical and /-or financial)	Relationship with Bidding Company / Consortium-Member (Parent / Affiliate)	Details of equity shareholding (refer notes below)
Lakadia-Vadodara Transmission Project Limited (LVTP)	Technical Evaluated Entity (TEE)	Affiliate (through SPTL)	50 %
Sterlite Power Transmission Limited (SPTL)	Financial Evaluated Entity (FER)	Parent	100 %

Your Faithfully

(Signature and name of the authorized signatory of the Company and Stamp)

Name : Mayank Bhatnagar

Date :

Place : Gurgaon

04 OCT 2023

(Signature and Stamp of statutory Auditors of Bidding Company)

For KNPS & Associates

(Chartered Accountants)

FRN: 024073N

Name : Karmar Nagmani

Date :

Place : Gurgaon

UDIN :

04 OCT 2023

23506310 BGWJN 7966

**Annexure 7D - Additional Information for
verification of Financial and Technical
Capabilities of Bidders**



ANNEXURE 7D - ADDITIONAL INFORMATION FOR VERIFICATION OF FINANCIAL AND TECHNICAL CAPABILITIES OF BIDDERS

Name of the Bidder: Sterlite Grid 32 Limited

Name of Technically evaluated Entity(ies): Lakadla-Vadodara Transmission Project Limited (LYTPL)

Name of Financially Evaluated Entity (ies): Sterlite Power Transmission Limited (SPTL)

I. Financial capability (Attachment 1):

- i. Bidders shall attach Unconsolidated/ consolidated audited annual accounts, statements, as the case may be, (refer Clause 2.1.3) for the last three (3) financial years as Attachment 1. Such Unconsolidated audited annual accounts shall include a Balance Sheet, Profit and Loss Account, Auditors Report and profit appropriation account.

II. Technical Capability (Attachment 2):

- a. This attachment shall include details of projects completed/commissioned or partly completed projects for which commercial operation has commenced to be considered for the purpose of meeting Qualification Requirements.

To be used by Bidder using development experience in infrastructure sector

Particulars	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Name(s) of project(s) from Infrastructure sectors	WRSS- 21 (Part-B) Transmission System strengthening for relieving over loadings observed in Gujarat Intra- state system due to RE Injections in Bhuj PS				
Location(s) including country(s) where project was set up	Gujarat, India				
Nature of Project	BOOM				
Voltage level (if any)	765kV				
Capital cost of project(s) Rs. in Crore					2308.76
*Status of the project	Commercial Operation from 28-Jan-2023				
% of equity owned in the project(s)	50%				

*Note 1: Date of completion/commissioning/commercial operation to be mentioned

Note 2: For each project listed in the table, the Bidder shall furnish a detailed summary including the following information:

- * Project model, i.e., BOO, BOOT, BOOM



- Debt financing and equity raised and provided by Bidder/Bidder's Parent/Bidder's Affiliate for the project, including names of lenders and investors;
- Size and type of installation;
- Technical data/information on major equipment installed
- Description of role performed by the Bidder/Bidder's Parent/Bidder's Affiliate on the project
- Clearances taken by the Bidder/Bidder's Parent/Bidder's Affiliate including but limited to right-of-way (RoW), forest clearance and other statutory / Govt. clearances.
- Cost data (breakdown of major components)
- Name of EPC and/or other major contractor
- Construction time for the project
- Names, addresses and contact numbers of owners of the projects
- Operating reliability over the past five (5) years or since date of commercial operation
- Operating environmental compliance history
- Names of supervisory entities or consultant, if any
- Date of commercial operation
- Total duration of operation

iii. Attachment-3:

- For each project listed in Attachment 2 above, certificates of final acceptance and/or certificates of good operating performance duly issued by owners for the project and the same shall be certified as true by authorized signatory of the Bidding Company ~~or the Lead Member of Consortium~~. In case the project listed in Attachment 2 is under BOOT / DBFOT mechanism, the certificates of final acceptance and/or certificates of good operating performance must be issued by the authority / independent engineer of the project as defined in the respective project agreement.

For and on behalf of Bidding Company
M/s Sterlite Grid 32 Limited

(Signature of authorized signatory)

Name : Mayank Bhatnagar

Date : 04 OCT 2023

Place: Gurgaon



Certificate of final Acceptance and Operating Performance



Lakshadweep Transmission Project Limited

Registered Office: DUE Cyber Park, Tower-B, 9th Floor, Udyog Vihar - Phase-II, Sector-20, Gurgaon-122009, Haryana, India

Certificate of Final Acceptance and Operating Performance

S.No.	Particulars	Details
1	Title & Nature of the Project	"WRSS-21 (Part-B) Transmission System strengthening for relieving over loadings observed in Gujarat Intra-state system due to RE injections in Bhuj PS"
2	Whether all these items are set up and working satisfactorily	<input checked="" type="checkbox"/> Civil
		<input checked="" type="checkbox"/> Erection
		<input checked="" type="checkbox"/> Stringing
		<input checked="" type="checkbox"/> Charging
3	Actual Expenditure Capitalized (Rs. In Crores)	2308.76
4	Date of Commencement of Commercial Operations	28-01-2023
5	Performance of Work	<input checked="" type="checkbox"/> Excellent
		<input type="checkbox"/> Very Good
		<input type="checkbox"/> Good
		<input type="checkbox"/> Satisfactory
		<input type="checkbox"/> Poor

Director
Signature:

Name: Rachna Mohan

Date: 03-10-2023



CFO

Signature:

Name: Ashok Gandhi

Date: 03-10-2023



Lakadia-Vadodara Transmission Project Limited

Registered office: DLF Cyber Park, Tower-B, 30th Floor, Udyog Vihar Phase-III, Sector-20, Gurugram - 122006, Haryana, India

S. No	Details Required	Lakadia-Vadodara Transmission Project Limited
1	Project Model i.e. BOO, BOOT, BOOM	Build, Own, Operate, & Maintain (BOOM) basis
2	Debt financing and equity raised and provided by Bidder/Bidder's Parent/Bidder's affiliate for the project, including names of lenders and investors;	Equity funded by parent company. Debt Financing provided by Consortium of Banks led by Industrial Bank Limited
3	Size and type Installation(elements);	1. Lakadia-Vadodara 765kV D/c line 1 and Line 2: 334.765 kms 2. 330MVAR switchable line reactors at both ends of Lakadia - Vadodara 765kV D/c line along with 500 ohms NGR at both ends of Lakadia - Vadodara 765kV D/c line (330 MVAR line reactor - 4 nos. & 765kV Reactor bay - 4 nos. ,1x110 MVAR,765kV,1 ph. Switchable line reactor (spare unit) at Vadodara end. 3. 2 nos. of 765kV bays each at Lakadia and Vadodara S/s for Lakadia - Vadodara 765kV D/c line (765kV line bay - 4 nos.)
4	Technical data/information on major equipment installed	Major Items in the project include: • Transmission Line: Towers, Conductors, Insulators, H/W & OPGW. • Substations: Reactors and AIS & GIS bay extension equipment.
5	Description of Role performed by the Bidder/Bidder's Affiliate on the project	Designing of Transmission line & Bay extension, Construction of Transmission Line and Bay Extension, Equipment procurement, Financing in the project, Operation and Maintenance.
6	Description of Role performed by the Bidder/Bidder's Affiliate including but limited to right-of-way (RoW), forest clearance and other statutory/Govt. clearances.	Transmission License & Tariff Adoption from - CERC Approval U/S Section 164 of Electricity Act 2003 - Ministry of Power RoW - Local Authorities Forest Clearance - Ministry of Forest & State Government
7	Cost Data (Capital Expenditure) In INR Crore	2306.76
8	Name of EPC and/or other Major Contractors	• Transmission Line: Tata Projects, Unitech Power Transmission Limited and Associated Power Structures Private Limited • Substations / Bay Extension: General Electric
9	Construction time of the Project	38 months



Lakadia-Vadodara Transmission Project Limited

Registered office: DLF Cyber Park, Tower-B, 9th Floor, Udyog Vihar Phase-III, Sector-20, Gurugram -122008, Haryana, India

S.No	Details Required	Lakadia-Vadodara Transmission Project Limited
10	Name, Address and contact numbers of owners of the Project	Lakadia-Vadodara Transmission Project Limited DLF Cyber Park, Tower B, 9th Floor, Udyog Vihar Phase III, Sector- 20, Gurugram, Haryana- 122008 +91 124 4562 000
11	Operating reliability over past five (5) years or since date of commercial operation	99.5 % Availability
12	Operating environmental compliance history	Full compliance with local environmental norms
13	Names of supervisory entities or consultant, if any	L&T-Sargent & Lundy
14	Date of commissioning	28-01-2023
15	Total Duration of Operation	8 months

Rachna Mohan
 Director
 Signature:
 Name: Rachna Mohan
 Date: 03-10-2023



Ashok Gandhi
 CFO
 Signature:
 Name: Ashok Gandhi
 Date: 03-10-2023



Lakadia-Vadodara Transmission Project Limited
DLF Cyber Park Tower-B, 9th Floor, Udyog Vihar Phase-II, Sector-20,
Gurgaon 122008, Haryana India +91 0124 4562 000

Sterlite Power

Ref. No. – LVTPL/DOCO/2023

Date: 28.01.2023

To,
Member Secretary,
Western Regional Power Committee,
M.J.D.C. Central Road, Seepz, Andheri East,
Mumbai, Maharashtra 400093

Subject: Declaration of Commercial declaration (DOCO) of assets under Lakadia-Vadodara Transmission Project Limited.

Ref : Transmission Service Agreement of Lakadia Vadodara Transmission Project Limited Ltd.
23.04.2019.

Sir,

This is to inform you that the below mentioned elements of Lakadia Vadodara Transmission Project Limited have been successfully interconnected to the national grid: -

1. 765kV D/C Lakadia-Vadodara Transmission Line.
 - a. Circuit-1 on 24.01.2023 at 12:35Hrs
 - b. Circuit-2 on 07.01.2023 at 19:43Hrs
2. 330MVar switchable line reactors at both ends of 765kV D/C Lakadia Vadodara Transmission Line.
 - a. Line Reactor 1 at Lakadia & Vadodara on 24.01.2023 at 11:29Hrs.
 - b. Line Reactor 2 at Lakadia on 03.01.2023 at 20:31Hrs & Line Reactor 2 at Vadodara on 31.12.2022 at 19:46 Hrs.
3. 2 Nos of 765kV Bays associated with 765kV D/C Lakadia Vadodara Transmission line each at Lakadia and Vadodara Substation for 765kV Lakadia Vadodara Transmission Line.

In accordance with Clause 6.2.1 of referenced TSA and IEGC,2010 regulations, Lakadia Vadodara Transmission Project Limited is declared under commercial operation (DOCO) w.e.f. 00:00 Hrs of 28.01.2023.

This is for your information.

Thanking You,
Yours faithfully,

For : Lakadia Vadodara Transmission Project Limited,

Balaji Sivan
Director-Policy & Regulatory



Encl: CEA energization approvals of LVTPL elements.

Registered Office: F-1, The Mira Corporate Suites, 1 & 2, Shree Nagar, Mathura Road, New Delhi - 110 002, INDIA
CIN: U40105DL2019GC037349 www.delftsterlitepower.com



Lakadia-Vadodara Transmission Project Limited
DLF Cyber Park Tower-B, 9th Floor, Udyog Vihar Phase-III, Sector-20,
Gurugram 122008, Haryana India +91 0124 4562 000

Sterlite Power

List of entities given copies to

1. CEA
2. CTU
3. WRDCC
4. CERC
5. Adani Green Energy MP Limited
6. Netra Wind Private Limited
7. Adani Green Energy Limited



kp



Registered Office: F-1, The Mitra Corporate Suites, 1 & 2, Ishaan Nagar, Mathura Road, New Delhi - 110 065, INDIA
CIN: U40105DN2019GC0137349 www.sterlitepower.com

Annexure 8 Format 1 – Bidder's Undertaking



Annexure 8: UNDERTAKING AND DETAILS OF EQUITY INVESTMENT

Format 1: Bidder's Undertaking

Date: 04 OCT 2023
To,

BPC Consulting Limited
9th Floor, Wing-A, Statesman House,
Connaught Place, New Delhi - 110001

Dear Sir,

Sub: Bidders' Undertakings in respect of Bid for selection of Bidder as TSP to establish Inter-State transmission system for Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-I) (Bikaner Complex): Part-B.

We hereby undertake on our own behalf and on behalf of the TSP, that if selected as the Successful Bidder for the Project:

1. The Project shall comply with all the relevant electricity laws, codes, regulations, standards and Prudent Utility Practices, environment laws and relevant technical, operational and safety standards, and we shall execute any agreements that may be required to be executed as per law in this regard.
2. We confirm that the Project shall also comply with the standards and codes as per Clause 1.6.1.2 of the RFP and the TSP shall comply with the provisions contained in the Central Electricity Regulatory Commission Grant of Connectivity, Long-term Access and Medium-term Open Access in inter-state Transmission and related matters Open Access) Regulations, 2009.
3. We give our unconditional acceptance to the RFP dated February 15, 2023, issued by the BPC and the RFP Project Documents, as amended, and undertake to ensure that the TSP shall execute all the RFP Project Documents, as per the provisions of this RFP.
4. We have submitted the Bid on the terms and conditions contained in the RFP and the RFP Project Documents. Further, the Financial Bid submitted by us is strictly as per the format provided in Annexure 21 of the RFP, without mentioning any deviations, conditions, assumptions or notes in the said Annexure.
5. Our Bid is valid up to the period required under Clause 2.8 of the RFP.
6. Our Bid has been duly signed by authorized signatory and stamped in the manner and to the extent indicated in this RFP and the power of attorney / Board resolution in requisite format as per RFP has been enclosed with this undertaking.
7. ~~We have assumed that if we are selected as the Successful Bidder, the provisions of the Consortium Agreement, in the extent and only in relation to equity look-in and our liability share of shall get modified to give effect to the provisions of Clause 1.4.8 of this RFP and Article 18.2 of the TS&T. (Note: This is applicable only in case of a Bidding Consortium)~~

We confirm that our Bid meets the Scheduled COD of each transmission Element and ~~CFM~~ as specified below:



S/N	Name of the Transmission Element	Scheduled COD in months from Effective Date	Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project	Element(s) which are pre-required for declaring the commercial operation (COD) of the respective element.
1	<p>Establishment of 765/400 kV, 4x1500 MVA (along with one spare unit of 500 MVA) Neemrana-II S/s along with 2x330 MVA (765 kV) Bus Reactor (along with one spare unit of 110 MVA) & 2x125 MVA (420kV) Bus Reactor at a suitable location near Neemrana</p> <ul style="list-style-type: none"> • 765/400 kV 1500 MVA ICTs - 4 nos. (13x500 MVA including one spare unit) • 330 MVA Bus Reactor-2 nos. (7x110 MVA, including one spare unit) • 765 kV reactor bays- 2 nos. • 125 MVA, 420kV bus reactor - 2 nos. • 420 kV reactor bays - 2 nos. • 765 kV ICT bays - 4 nos • 400 kV ICT bays - 4 nos • 400 kV line bays - 6 nos. (4 nos. for LILCO of Gurgaon - Sohna Road D/c line & 2 nos. for Kotpalli D/c line) <p>Future provisions: Space for</p> <ul style="list-style-type: none"> • 765/400kV ICT along with bays- 2 nos. • 765 kV line bays along with suitable line reactors - 2 nos. 	24 months from date of SPV Acquisition	100 %	All elements of scheme are required to be commissioned simultaneously as their utilization is dependent on each other.



	<ul style="list-style-type: none"> • 765 kV Bus Reactor along with bay: 1 no. • 400 kV line bays along with switchable line reactor -6 no. • 400 kV Bus Reactor along with bay: 1 no. • 400kV Sectionalization bays: 2 sets 			
2	Neemrana-II -Kotputli 400 kV D/c line (Quad)			
3	2 no. of 400 kV line bays at Kotputli			
4	L.I.O of both ckts of 400 kV Gurgaon (PG) - Sohna Road (GPTL) D/c line (Quad) at Neemrana-II S/s			

Note:

(i) Provision of suitable sectionalization shall be kept at Neemrana-II S/s at 400kV level to limit short circuit level.

(ii) POWERGRID to provide space for 2 nos. of 400 kV line bays at Kotputli S/s.

We agree that the payment of Transmission Charges for any Element irrespective of its successful commissioning on or before its Scheduled COD shall only be considered after the successful commissioning of Element(s) which are pre - required for declaring the commercial operation of such Element as mentioned in the above table.

Scheduled COD for the Project: 24 months from the Effective Date.

9. We confirm that our Financial Bid conforms to all the conditions mentioned in this RFP, and in particular, we confirm that:

- Financial Bid in the prescribed format of Annexure 21 has been submitted duly signed by the authorized signatory.
- Financial Bid is unconditional.
- Only one Financial Bid has been submitted.

10. We have neither made any statement nor provided any information in this Bid, which to the best of our knowledge is materially inaccurate or misleading. Further, all the confirmations, declarations and representations made in our Bid are true and accurate. In case this is found to be incorrect after our acquisition of "NEEMRANA II KOTPUTLI TRANSMISSION LIMITED", pursuant to our selection as Selected Bidder, we agree that the same would be treated as a TSP's Event of Default under Transmission Service Agreement, and relevant provisions of Transmission Service Agreement shall apply.

11. We confirm that there are no litigations or other disputes against us which materially affect our ability to fulfill our obligations with regard to the Project as per the terms of RFP Project Document.



Sterlite Grid 32 Limited, DLF Cyber Park, Tower-B, 9th Floor, Udyog Vihar,
Phase-III, Sector-20, Gurgaon-122008, Haryana India +91 0124 4562 000

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12. Power of attorney/ Board resolution as per Clause 2.5.2 is enclosed.

Mayank
STERLITE GRID 32 LIMITED

Signature and name of the authorized signatory of the Company and stamp of Bidding Company.
Name : Mayank Bhatnagar

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Format 2 – Details of Equity Investment in project



Format 2: Details of equity investment in Project

- 1.1.a Name of the Bidding Company/ Bidding Consortium: **Sterlite Grid 32 Limited**
- 1.1.b Name of the Lead Member in the case of a Bidding Consortium:
- 1.2 Investment details of the Bidding Company/Member of the Bidding Consortium investing in **NEEMRANA II KOTPUTLI TRANSMISSION LIMITED** as per Clause 2.5.8.2.

S. No.	Name of the Bidding Company/ Member in case of a Bidding Consortium	Name of the Company investing in the equity of the NEEMRANA II KOTPUTLI TRANSMISSION LIMITED	Relationship with Bidding Company /Member of the Bidding Consortium	% of equity participation in the NEEMRANA II KOTPUTLI TRANSMISSION LIMITED
(1)	(2)	(3)	(4)	(5)
1	Sterlite Grid 32 Limited	Sterlite Grid 32 Limited	Self	100%
TOTAL				100%

* In case the Bidder proposes to invest through its Affiliate(s) / Parent Company / Ultimate Parent Company, the Bidder shall declare shareholding pattern of such Affiliate(s) / Parent Company / Ultimate Parent Company and provide documentary evidence to demonstrate relationship between the Bidder and the Affiliate(s) / Parent Company / Ultimate Parent Company. These documentary evidences could be, but not limited to, demand account statement(s) / Registrar of Companies' (ROC) certification / share registry book, etc duly certified by Company Secretary.

Members of the Consortium or the Bidding Company making investment in the equity of the **NEEMRANA II KOTPUTLI TRANSMISSION LIMITED** themselves to fill in their own names in the column (3)

Signature and Name of authorized signatory in whose name power of attorney has been issued.

Signature: *Mayank*
Name: **Mayank Bhatnagar**
Authority Signatory
Date: **04 OCT 2023**
Company rubber stamp



Annexure 9- Authorization from Parent Company



**ANNEXURE 9 -AUTHORISATION FROM PARENT OF BIDDING COMPANY WHOSE
TECHNICAL AND FINANCIAL CAPABILITY HAS BEEN USED BY THE BIDDING
COMPANY**

Name: Sterlite Power Transmission Limited
Full Address: DLF Cyber Park Tower-B, 9th Floor, Udyog Vihar
Phase-3, Sector-20, Gurugram, Haryana-122008
Telephone No.: +91 124 4562 000
E-mail address: Sterlite.bd@sterlitepower.com
Fax: +91-124 456 2000

To
PFC Consulting Limited
9th Floor, A-Wing,
Statesman House, Connaught Place,
New Delhi- 110001, India

Sub: Authorization for use of Technical Capability of M/s Lakadla-Yadodara Transmission Project Limited and Financial Capability of M/s Sterlite Power Transmission Limited by M/s Sterlite Grid 32 Limited.

Dear Sir,

We refer to the RFP dated February 15, 2023 ('RFP') issued by you for selection of Bidder as Transmission Service Provider for establishing the Inter-State Transmission System for "Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-I) (Bikaner Complex): Part-B".

We confirm that M/s Sterlite Grid 32 Limited has been authorized by us to use our technical and financial capability for meeting the Qualification Requirements for "Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-I) (Bikaner Complex): Part-B".

We have carefully read and examined in detail the RFP including in particular, Clause 2.1.4 of the RFP, and we are also submitting legally binding undertaking supported by a board resolution that all the equity investment obligations of M/s Sterlite Grid 32 Limited, shall be deemed to be our equity investment obligations and in the event of any default the same shall be met by us.

For and on behalf of M/s Sterlite Power Transmission Limited





(Signature and Name of the authorized signatory of the Company and stamp)

Name: Pawan Kumar Singh

Designation: AVP-Bidding

Date: 07 OCT 2023

Place: Gurugram



Annexure 10- Undertaking by Parent Company



**ANNEXURE 10- UNDERTAKING BY TECHNICALLY / FINANCIALLY EVALUATED ENTITY /
ULTIMATE PARENT COMPANY**

Name: Sterlite Power Transmission Limited
Full Address: DLF Cyber Park Tower-B, 9th Floor, Udyog Vihar
Phase-3, Sector-20, Gurugram, Haryana-122003
Telephone No.: +91 124 4562 000
E-mail address: Sterlite.bd@sterlitepower.com
Fax : +91-124 456 2800

To:
Chief Executive Officer,
PFC Consulting Limited
9th Floor, A-Wing,
Statesman House, Connaught Place,
New Delhi - 110081, India

Subj: Undertaking for Equity Investment

Dear Sir,

We refer to the Request for Proposal dated February 15, 2023 (RFP) issued by you regarding setting up of Inter-State transmission system for "Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): Part-B" Project on build, own, operate and transfer basis.

We have carefully read and examined in detail the RFP and the RFP Project Documents, including in particular, Clause 2.1.4 of the RFP and Clauses 2.5.2 and 2.5.8 of the RFP, regarding submission of an undertaking regarding the investment in the equity share capital of "NEEMRANA II KOTPUTLI TRANSMISSION LIMITED" and provisions for minimum equity holding and equity lock-in. We have also noted the amount of the equity investment required to be made in "NEEMRANA II KOTPUTLI TRANSMISSION LIMITED" by the M/s Sterlite Grid 32 Limited for the Project.

In view of the above, we hereby undertake to you and confirm that in the event of failure of Sterlite Grid 32 Limited to invest in full or in part, in the equity share capital of "NEEMRANA II KOTPUTLI TRANSMISSION LIMITED" as specified in the Bid, we shall invest the said amount not invested by Sterlite Grid 32 Limited in "NEEMRANA II KOTPUTLI TRANSMISSION LIMITED" by purchase of existing shares or subscribing to the new shares of "NEEMRANA II KOTPUTLI TRANSMISSION LIMITED", as stipulated by you.

We have attached hereto certified true copy of the Banking and Authorisation Committee resolution whereby the members of the Committee of our Company has approved issue of this Undertaking by the Company.

All the terms used herein but not defined, shall have the meaning as ascribed to the said terms under the RFP.

Certified as true

(Signature and Name of the authorized signatory of the Company and stamp)

Name: Pankaj Kumar Singh

Designation: AVP - Billing

Date: 04/01/2023

Place: Gurugram



Sterlite Power Transmission Limited, DLF Cyber Park Tower-B, 9th Floor, Udyog Vihar
Phase-III, Sector-20, Gurugram, Haryana-122008 India +91 0124 4561 000

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**CERTIFIED TRUE COPY OF THE RESOLUTION PASSED BY THE BANKING AND AUTHORISATION COMMITTEE OF
STERLITE POWER TRANSMISSION LIMITED IN ITS MEETING HELD ON MAY 27, 2023**

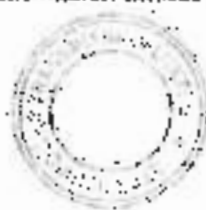
"RESOLVED THAT pursuant to the provisions of the Companies Act, 2013 and compliance thereof and as permitted under the Memorandum and Articles of Association of the Company, approval of the Banking and Authorization Committee of the Board ("BAC") be and is hereby accorded for issuing an Undertaking to the Bid Process Coordinator - PFC Consulting Limited ("BPC"), in the format specified in the Request for Proposal ("RFP") issued by the BPC, draft of which was attached hereto and initiated by the Chairman, whereby the Company undertakes to invest One Hundred Percent (100%) of the total equity share capital of SPV (which is under incorporation) representing the entire amount proposed to be invested by Sterlite Grid 32 Limited, to establish Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex) Part-B ("the Project"), in case of failure of Sterlite Grid 32 Limited to make such investment.

FURTHER RESOLVED THAT Mr. Nanda Kishore Panda - Chief Business Acquisition Officer, Mr. Pawan Kumar Singh - Assistant Vice President (Bidding), and Mr. Subroto Dhar - Senior Vice President (Contracts and Commercial) be and are hereby severally authorized to take all the steps required to be taken by the Company, including in particular, signing the said Undertaking, submitting the same to the BPC through Sterlite Grid 32 Limited of all the related documents, certified copy of this BAC resolution or letter, undertakings etc., required to be submitted to BPC as part of the Bid or such other documents as may be necessary in this regard."

Certified True Copy

For Sterlite Power Transmission Limited


Ashok Ganesan
Company Secretary
FCS-5190



Date: 19.06.2023

Address: DLF Cyber Park Tower-B,
9th Floor, Udyog Vihar Phase-III,
Sector-20, Gurugram,
Haryana-122008



Sterlite Power Transmission Limited, DLF Cyber Park Tower-B, 9th Floor,
Udyog Vihar Phase-III, Sector-20, Gurugram, Haryana-122006 India +91 0124 4562 000

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CERTIFIED TRUE COPY OF THE RESOLUTION PASSED BY THE BOARD OF DIRECTORS OF STERLITE POWER TRANSMISSION LIMITED ON MAY 29, 2017

***RESOLVED THAT** In supersession to the earlier resolution passed by the Board on August 24, 2016 and pursuant to the provisions of the Companies Act, 2013 and rules made there under, the Board hereby reaffirms the constitution of the Banking and Authorisation Committee comprising of following members:-

Members:-

- i) Mr. Pravin Agarwal - Chairman
- ii) Dr. Anand Agarwal - Member
- iii) Mr. Pratik Agarwal - Member

RESOLVED FURTHER THAT consent of the Board of Directors of the Company be and is hereby accorded to authorize the Banking and Authorizations Committee with the following Terms of Reference:-

- a. Opening and/or Closure of Bank Accounts / Opening and/or Closure of Demat Accounts / Hedging Accounts / Forex Accounts / Derivative/Forex Transactions / Internet Banking Authorizations / Cash Management Services with various banks in India and/or outside India and change in operations of Bank Accounts, Issuing letter of continuity and all such matters related to operations of the Current and Cash Credit Accounts.
- b. Appointing hedging brokers/sub-brokers for London Metal Exchange or any other Metal Exchanges.
- c. Authorize / Grant Power of Attorneys to employees of the Company for bidding in tenders, marketing, representing the Company in routine business matters.
- d. Authorize / grant Power of Attorney to employees of the Company or consultants to the Company in routine business matters.
- e. Authorize / grant Power of Attorney to one or more persons to represent before authorities under Income Tax, Sales Tax, Excise, VAT, decide authentication of Excise Invoices, Customs (including Issuing Bonds), Ministry of Corporate Affairs, the Reserve Bank of India, the Registrar of Companies, Foreign Investment Promotion Board, Enforcement Directorate, Electricity Boards, Pollution Control Boards, Town and Country Planning Authorities and/or other statutory authorities under Central and/or State Governments.
- f. Authorize / grant Power of Attorney to one or more persons to initiate and/or defend all legal proceedings including appointment of counsel, attorneys, mediators, arbitrators on behalf of the Company and also to execute affidavits, appeals, applications, petitions and other documents and all such necessary/incidental steps necessary in this regard.
- g. Authorize one or more employees of the Company under Section 113 of the Companies Act, 2013 to attend and vote at the meetings of the companies where the Company is a shareholder/debenture-holder, meetings of creditors and meetings convened by the orders of the Court and to nominate/change nominee shareholders in any Subsidiary or Associate Companies from time to time to ensure the presence of quorum at their General Meetings and to ensure minimum number of members under the Companies Act 2013.
- h. Authorize employees of the Company in matters relating to opening and/or closing of representative/branch offices in India or other countries.
- i. Authorize / grant Power of Attorney to one or more persons at various units for administrative purposes viz. applying for telephone/ internet/ power connection and/or dealing with local municipal authorities, shop act authorities and related matters



Sterlite Power Transmission Limited, DLF Cyber Park Tower-B, 9th Floor,
Udyog Vihar Phase-III, Sector-20, Gurugram, Haryana-122008 India +91 0124 4562 000

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- j. Authorize / give Power of Attorney to one or more persons to make application to Central Government, Ministry of Corporate Affairs, Foreign Investment Promotion Board, Enforcement Directorate, Reserve Bank of India, Registrar of Companies for various permissions required under various Statutory enactments.
- k. Authorize one or more persons to execute and/or register any documents, deeds, papers for purchase/ sale/ take or give on lease and / or leave & license basis, land, factory, office premises and/or residential premises for the purpose of business.
- l. Invest sums of money in Units of Mutual Funds, Government Securities, Bonds, Debentures, and any other Securities or instruments upto Rs.500 crores, at any given point of time.
- m. Avail Working Capital facilities from various banks/ financial institutions (Fund based and non-fund based) for the prescribed limit as approved by Board from time to time.
- n. Avail Term Loan facilities including through Non-Convertible Debentures from various banks/ financial institutions for the prescribed limit as approved by Board from time to time.
- o. Creation of security or charge including but not limited to hypothecation, mortgage, pledge, bailment etc. on the moveable and/or immoveable properties.
- p. Authorize one or more persons to issue, sign, execute, deliver indemnity, corporate guarantees, undertakings, affidavits or any other document on behalf of the Company.
- q. Approve amendments to existing Superannuation Scheme including authority to change trustees, wherever necessary.
- r. Authorize any person to affix seal of the Company to any instrument by the authority of a resolution.

RESOLVED FURTHER THAT the Company Secretary of the Company for the time being will act as the Secretary of the Committee."

Note: Dr. Anand Agarwal had resigned as Director of the Company with effect from May 11, 2018, and therefore also ceases to be a member of the Banking and Authorization committee of the Board of directors of the Company. As on date, Mr. Pravin Agarwal and Mr. Pratik Agarwal are Members of the Committee.

For Sterlite Power Transmission Limited


Ashok Ganesan
Company Secretary
FCS - 5190



Date: 17.01.2023



Registered Office: 4th Floor, Godrej Millennium 9 Korgaon Road, Pune, Maharashtra - 411001
CIN: U74120PN2015PLC156543 | www.sterlitepower.com

Annexure 11 –Board Resolutions



**CERTIFIED TRUE COPY OF THE RESOLUTION PASSED BY THE BOARD OF DIRECTORS
OF STERLITE GRID 32 LIMITED ON SEPTEMBER 23, 2023**

AUTHORITY FOR EXECUTION OF REQUEST FOR PROPOSAL (RFP)

"RESOLVED THAT pursuant to Request for Proposal ("RFP") issued for tenders floated by PFC Consulting Limited appointed as Bid Process Coordinator ("BPC") by Ministry of Power, Government of India, for selection of Bidder as Transmission Service Provider through tariff based competitive bidding process to establish Inter-State Transmission System for "Transmission System for Evacuation of Power from Rajasthan REZ, Ph-IV (Part-I) (Bikaner Complex): Part-B)" (hereinafter referred to as 'Project') on build, own, operate and transfer basis, the Directors, Mr. Chandan Dutt, and Mr. Mayank Bhatnagar, be and are hereby appointed as authorized signatories of the Company and are severally authorized to take all the steps required to be taken by the Company for submission of the Bid, commitment to invest on behalf of Company, including in particular, signing of the Bid (including digital signature), making changes thereto, submitting amended Bid, reply to clarifications of BPC and all the documents related to the Bid, certified copy of Board resolution(s), extracts from statutory register(s) or letter or undertakings etc., required to be submitted to BPC as part of the Bid or such other documents as may be necessary in this regard.

RESOLVED FURTHER THAT if so required, the Directors and Mr. Chandan Dutt, and Mr. Mayank Bhatnagar ("Authorized Signatories") of the Company be and are hereby severally authorized to carry the Common Seal to any place within India and to affix the same on any of the documents requiring affixation of Common Seal of the Company.

RESOLVED FURTHER THAT the Directors and authorized signatories of the Company be and are hereby severally authorized to take all the necessary decisions and sign (including digital signature) the documents which are required to be signed by Director/Authorized signatories provided that if any such document requires affixation of Common Seal, then the seal may be affixed on such document in the presence of such Director/ Authorized signatories signing."

For Sterlite Grid 32 Limited

Saikrishna Bhandarkar
Director
DIN- 07963664



04 OCT 2023



**CERTIFIED TRUE COPY OF THE RESOLUTION PASSED BY THE BOARD OF DIRECTORS
OF STERLITE GRID 32 LIMITED ON SEPTEMBER 28, 2023**


**INVESTMENT IN THE EQUITY SHARE CAPITAL OF NEEMRANA II KOTPUTLI
TRANSMISSION LIMITED**

The Board, after discussion, at the duly convened meeting on September 28, 2023 with the consent of all the directors present and in compliance of the provisions of the Companies Act, 2013, passed the following resolution:

"RESOLVED THAT pursuant to the provisions of the Companies Act 2013 and compliance thereof and as permitted under the Memorandum and Articles of Association of the company, approval of the Board be and is hereby accorded for investment of 100% (One Hundred per cent) of the total equity share capital of Neemrana II Kotputli Transmission Limited, representing the entire amount proposed to be invested by the Company for the transmission system for "Transmission System for Evacuation of Power from Rajasthan REZ Ph-IV (Part-I) (Bikaner Complex): Part-B)" partly by acquisition of the existing equity shares from PFC Consulting Limited and / or partly by subscribing to the new equity shares, as per the terms of the RFP.

RESOLVED FURTHER THAT the Directors and, Mr. Chandan Dutt, and Mr. Mayank Bhatnagar, be and are hereby authorized to take all the steps required to be taken by the Company for submission of the Bid, including in particular, signing of the Bid, making changes thereto and submitting amended Bid, all the documents related to the Bid, certified copy of this Board resolution or letter or undertakings etc., required to be submitted to BPC as part of the Bid or such other documents as may be necessary in this regard."

For Sterlite Grid 32 Limited


Saket Kumar Bhatnagar
Director
DIN: 07963664



04 OCT 2023



Annexure 12- Illustration of Affiliates



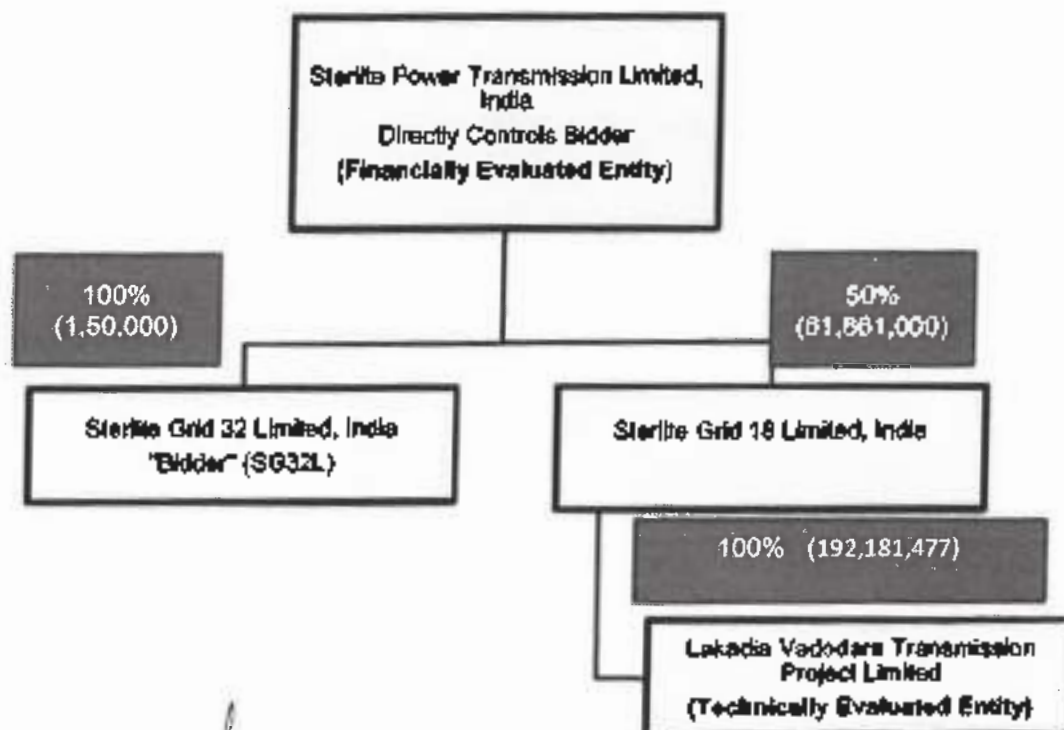
Sterlite Grid 32 Limited, DLF Cyber Park, Tower-B, 9th Floor, Udyog Vihar,
Phase-III, Sector-20, Gurgaon-122003, Haryana India +91 0124 4562 000

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Annexure-12

Illustration of Affiliates Date:

04 OCT 2023



Sterlite Power Transmission Limited, DLF Cyber Park Tower-B, 9th Floor, Udyog Vihar
Phase-III, Sector-20, Gurgaon-122008, Haryana India +91 0124 4562 000

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TO WHOMSOEVER IT MAY CONCERN

I, Ashok Ganesan, being the duly appointed Company Secretary of Sterlite Power Transmission Limited, a public limited company, registered under the Companies Act, 2013, do hereby certify that: -

- Sterlite Power Transmission Limited holds 1,50,000 (100%) Equity Shares along with its nominee shareholders having voting rights in Sterlite Grid 32 Limited.

Yours faithfully,
For and on behalf of
Sterlite Power Transmission Limited


Ashok Ganesan
Company Secretary
FCS 5190



Dated:

04 OCT 2023

Note: This certificate is to be submitted to PPC Consulting Limited for Project "TRANSMISSION System for Evacuation of Power from Rajasthan REZ PB-IV (Part-I) (Bikaner Complex): Part-B"



Registered Office: 4th Floor, Godrej Millennium, 9 Keshavnagar Road, Pune, Maharashtra - 411001
CIN: U74120PN2006PLC186843 | www.sterlitepower.com



Sterlite Grid 32 Limited, DLF Cyber Park, Tower-B, 9th Floor, Udyog Vihar,
Phase-III, Sector-20, Gurgaon-122008, Haryana India +91 0124 4562 000

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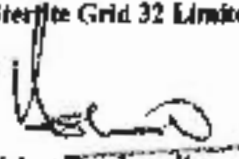
TO WHOMSOEVER IT MAY CONCERN

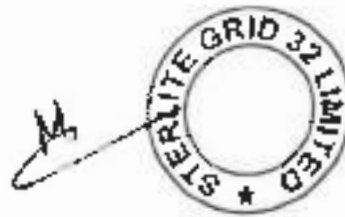
I, **Saikrishna Bendapudi**, being the duly appointed Director of Sterlite Grid 32 Limited, an unlisted public limited company, registered under the Companies Act, 2013, do hereby certify that –

- Sterlite Power Transmission Limited holds 1,50,000 (100%) Equity Shares having voting rights in Sterlite Grid 32 Limited

Yours faithfully,

For Sterlite Grid 32 Limited


Saikrishna Bendapudi
Director
DIN: 07963664



04 OCT 2023





Sterlite Grid 32 Limited

Form No. MGT - 1

Copy of Minutes

Resolution to declare Dividend of Rs. 100/- per share of Rs. 10/- each of the Company for the year ended 31st March 2014.

Name of the Company

Sterlite Grid 32 Limited

Registered office address

Plot No. 1, Sector 1, Industrial Area, Phase II, Gurgaon, Haryana (India)

Date of the meeting

15th May 2014

Name of the Director

Mr. A. K. Singh

Designation of the Director

Director

Name of the Company

Sterlite Grid 32 Limited

Name of the Director

Mr. A. K. Singh

Designation of the Director

Director

Name of the Company

Sterlite Grid 32 Limited

Name of the Director

Mr. A. K. Singh

Designation of the Director

Director

Name of the Company

Sterlite Grid 32 Limited

Name of the Director

Mr. A. K. Singh

Designation of the Director

Director

Name of the Company

Sterlite Grid 32 Limited

Name of the Director

Mr. A. K. Singh

Designation of the Director

Director

Name of the Company

Sterlite Grid 32 Limited

Name of the Director

Mr. A. K. Singh

Designation of the Director

Director

Name of the Company

Sterlite Grid 32 Limited

Name of the Director

Mr. A. K. Singh

Designation of the Director

Director

Name of the Company

Sterlite Grid 32 Limited

Name of the Director

Mr. A. K. Singh

Designation of the Director

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Name of the Company

Sterlite Grid 32 Limited

Name of the Director

Mr. A. K. Singh

Designation of the Director

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Mr. A. K. Singh

Designation of the Director

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Mr. A. K. Singh

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Name of the Company

Sterlite Grid 32 Limited

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Designation of the Director

Director

Name of the Company

Sterlite Grid 32 Limited

Name of the Director

Mr. A. K. Singh

Designation of the Director

Director

Name of the Company

Sterlite Grid 32 Limited

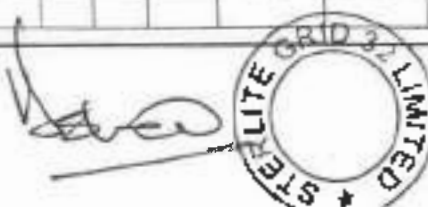
Name of the Director

Mr. A. K. Singh

Designation of the Director

Director



[illegible]



Form 100-1000 (10-10-10)

1. Name of the company: **Central Engineering Works Ltd.**

2. Address: **100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.**



Form 1 - Part A

Supplier's Details

Name of the supplier: **Dr. Parvati Devi (Dr. Parvati Devi Pathology Services) (Private) Limited**

Address of the supplier: **N.A.**

Registered address of the supplier: **N.A.**

Supplier's contact details: **N.A.**

Supplier's email address: **N.A.**

Supplier's telephone number: **N.A.**

Supplier's fax number: **N.A.**

Supplier's website: **N.A.**

Supplier's bank details: **N.A.**

Supplier's PAN: **N.A.**

Supplier's GSTIN: **N.A.**

Supplier's UEN: **N.A.**

Supplier's TIN: **N.A.**

Supplier's ESIIN: **N.A.**

Supplier's PFN: **N.A.**

Supplier's IEC: **N.A.**

Supplier's FSSAI: **N.A.**

Supplier's COI: **N.A.**

Supplier's other details: **N.A.**

Supplier's Declaration

I hereby declare that the above information is true and correct to the best of my knowledge and belief.

Supplier's Signature

Supplier's Stamp

Sl. No.	Item Code	Item Name	Quantity	Unit	Rate	Amount	Remarks
1	101	101	1	1	1	1	

Form 1 - Part B

Supplier's Details

Name of the supplier: **Dr. Parvati Devi (Dr. Parvati Devi Pathology Services) (Private) Limited**

Address of the supplier: **N.A.**

Registered address of the supplier: **N.A.**

Supplier's contact details: **N.A.**

Supplier's email address: **N.A.**

Supplier's telephone number: **N.A.**

Supplier's fax number: **N.A.**

Supplier's website: **N.A.**

Supplier's bank details: **N.A.**

Supplier's PAN: **N.A.**

Supplier's GSTIN: **N.A.**

Supplier's UEN: **N.A.**

Supplier's TIN: **N.A.**

Supplier's ESIIN: **N.A.**

Supplier's PFN: **N.A.**

Supplier's IEC: **N.A.**

Supplier's FSSAI: **N.A.**

Supplier's COI: **N.A.**

Supplier's other details: **N.A.**

Supplier's Declaration

I hereby declare that the above information is true and correct to the best of my knowledge and belief.

Supplier's Signature

Supplier's Stamp

Sl. No.	Item Code	Item Name	Quantity	Unit	Rate	Amount	Remarks
1	101	101	1	1	1	1	



Annexure 13 –Disclosure



DISCLOSURE

Date: 04 OCT 2023

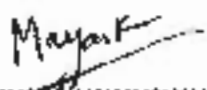
We hereby declare that the following companies with which we have direct or indirect relationship are also separately participating in this Bid process as per following details

S.No.	Name of the Company	Relationship
1.	Nil	
2.		
3.		

In case there is no such company please fill in the column "name of the company" as Nil.

Further we confirm that we don't have any Conflict of Interest with any other company participating in this bid process.

Certified as True


.....
(Signature)



Name : Mayank Bhatnagar
(Authorized Signatory)

Signature & Name of authorized signatory of the Company and Stamp

The above disclosure should be signed and certified as true by the authorized signatory of the Bidding Company or of the Member, in case of a Consortium).



Annexure -14 Bid Bond





2534IGB002956523

Date: 04.10.2023

M/s PFC Consulting Limited
9th Floor, A-Wing, Statesman House Connaught Place,
New Delhi - 110001

Dear Sir,

Re: Our Bank Guarantee No. 2534IGB002956523 Dated: 04.10.2023
Rs. 18,20,00,000/- (Rs Eighteen Crore Twenty Lakhs only) Favouring
yourself on behalf of M/s Sterlite Grid 32 Ltd

We enclose herewith captioned BG issued by us on behalf of
M/s Sterlite Grid 32 Ltd valid up to 31.05.2024 and claim upto 31.05.2025.

Kindly acknowledge receipt.

Yours faithfully,



Authorised Signatory

Encl. : As above






महाराष्ट्र MAHARASHTRA

2023

CC 520529



प्रधान मुद्रांक कार्यालय, मुंबई
प.मु.क्र. ८०००००९
14 SEP 2023
सक्षम अधिकारी

श्री. एल. एस. नांगरे

बैंक ऑफ बरोडा / Bank of Baroda
कॉर्पोरेट फाइनेंशियल सर्विसेस पुणे
Corporate Financial Services Pune
39 रमाबाई अजिंठार रोड, पती वॉर्ड,
39, Ramabai Ajintar Road, Pati Ward,
पुणे-411 001/PUNE-411001.
IFSC Code-BARBOCORPUN

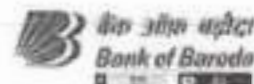
Fifth Digit is Zero
Email: corpun@bankofbaroda.co.in

बुरो बैंक ऑफ बरोडा
FOR BANK OF BARODA
कॉर्पोरेट फाइनेंशियल सर्विसेस शाखा, पुणे
Corporate Financial Services Br., Pune
प्रमुख अधिकारी/Rushesh Rishabhrahar
मुख्य प्रबंधक-कानून/Chief Manager-Legal
22844

बैंक ऑफ बरोडा / BANK OF BARODA
कॉर्पोरेट फाइनेंशियल सर्विसेस पुणे
Corporate Financial Services Pune
दिनांक / Date 04 OCT 2023
वैधता / Valid up to 31 MAY 2024

बुरो बैंक ऑफ बरोडा
FOR BANK OF BARODA
कॉर्पोरेट फाइनेंशियल सर्विसेस शाखा, पुणे
Corporate Financial Services Br., Pune





PHYSICAL ISSUANCE OF BANK GUARANTEE

BG.NO-25341GBD02956523
DATED:04/10/2023



बैंक ऑफ़	BANK OF BARODA
कॉर्पोरेट	CORPORATE
कॉर्पोरेट	25341GBD02956523
दिनांक / Date	04 OCT 2023
वैधता / Validity	31 MAY 2024

IN CONSIDERATION OF THE M/S STERLITE GRID 32 LIMITED SUBMITTING THE BID INTER ALIA FOR ESTABLISHING THE INTER-STATE TRANSMISSION SYSTEM FOR TRANSMISSION SYSTEM FOR EVACUATION OF POWER FROM RAJASTHAN REZ PH-IV (PART-1) (BIXANER COMPLEX): PART-B ON BUILD, OWN, OPERATE AND TRANSFER BASIS, IN RESPONSE TO THE RFP DATED FEBRUARY 15, 2023 ISSUED BY PFC CONSULTING LIMITED, AND THE BID PROCESS COORDINATOR (HEREINAFTER REFERRED TO AS BPC) AGREEING TO CONSIDER SUCH BID OF M/S STERLITE GRID 32 LIMITED AS PER THE TERMS OF THE RFP, THE BANK OF BARODA, CORPORATE FINANCIAL SERVICES BRANCH, MANTRI COURT, PUNE-01 AND HEAD OFFICE AT ALKAPURI, BARODA (HEREINAFTER REFERRED TO AS GUARANTOR BANK) HEREBY AGREES UNEQUIVOCALLY, IRREVOCABLY AND UNCONDITIONALLY TO PAY TO PFC CONSULTING LIMITED OR ITS AUTHORIZED REPRESENTATIVE AT PFC CONSULTING LIMITED 9TH FLOOR, A-WING, STATESMAN HOUSE CONNAUGHT PLACE, NEW DELHI 110001 FORTHWITH ON DEMAND IN WRITING FROM PFC CONSULTING LIMITED OR ANY REPRESENTATIVE AUTHORIZED BY IT IN THIS BEHALF, ANY AMOUNT UP TO AND NOT EXCEEDING RUPEES EIGHTEEN CRORE TWENTY LAKH ONLY (RS.18.20 CRORE), ON BEHALF OF M/S STERLITE GRID 32 LIMITED.

THIS GUARANTEE SHALL BE VALID AND BINDING ON THE GUARANTOR BANK UP TO AND INCLUDING MAY 31, 2024 AND SHALL NOT BE TERMINABLE BY NOTICE OR ANY CHANGE IN THE CONSTITUTION OF THE GUARANTOR BANK OR BY ANY OTHER REASONS WHATSOEVER AND OUR LIABILITY HEREUNDER SHALL NOT BE IMPAIRED OR DISCHARGED BY ANY EXTENSION OF TIME OR VARIATIONS OR ALTERNATIONS MADE, GIVEN, OR AGREED WITH OR WITHOUT OUR KNOWLEDGE OR CONSENT, BY OR BETWEEN CONCERNED PARTIES.

OUR LIABILITY UNDER THIS GUARANTEE IS RESTRICTED TO RUPEES EIGHTEEN CRORE TWENTY LAKH ONLY (RS. 18.20 CRORE). OUR GUARANTEE SHALL REMAIN IN FORCE UNTIL MAY 31, 2024. PFC CONSULTING LIMITED OR ITS AUTHORIZED REPRESENTATIVE SHALL BE ENTITLED TO INVOKE THIS GUARANTEE UNTIL MAY 31, 2025. THE GUARANTOR BANK HEREBY EXPRESSLY AGREES THAT IT SHALL NOT REQUIRE ANY PROOF IN ADDITION TO THE WRITTEN DEMAND FROM PFC CONSULTING LIMITED OR ITS AUTHORIZED REPRESENTATIVE, MADE IN ANY FORMAT, RAISED AT THE ABOVE MENTIONED ADDRESS OF THE GUARANTOR BANK, IN ORDER TO MAKE THE SAID PAYMENT TO PFC CONSULTING LIMITED OR ITS AUTHORIZED REPRESENTATIVE.

THE GUARANTOR BANK SHALL MAKE PAYMENT HEREUNDER ON FIRST DEMAND WITHOUT RESTRICTION OR CONDITIONS AND NOTWITHSTANDING ANY OBJECTION, DISPUTES, OR DISPARITIES RAISED BY THE BIDDER OR ANY OTHER PERSON. THE GUARANTOR BANK SHALL NOT REQUIRE PFC CONSULTING LIMITED OR ITS

For BANK OF BARODA, PUNE MANTRI COURT, PUNE-01
कॉर्पोरेट फाइनेंसियल सर्विसेस ब्र., पुणे
Corporate Financial Services Br., Pune

SWIFT: BARB IN 33XXX

For BANK OF BARODA, NEW DELHI
कॉर्पोरेट फाइनेंसियल सर्विसेस ब्र., नई दिल्ली
Corporate Financial Services Br., NEW DELHI



AUTHORIZED REPRESENTATIVE TO JUSTIFY THE INVOCATION OF THIS BANK GUARANTEE, NOR SHALL THE GUARANTOR BANK HAVE ANY RECOURSE AGAINST PFC CONSULTING LIMITED OR ITS AUTHORIZED REPRESENTATIVE IN RESPECT OF ANY PAYMENT MADE HEREUNDER.

THIS BANK GUARANTEE SHALL BE INTERPRETED IN ACCORDANCE WITH THE LAWS OF INDIA.

THE GUARANTOR BANK REPRESENTS THAT THIS BANK GUARANTEE HAS BEEN ESTABLISHED IN SUCH FORM AND WITH SUCH CONTENT THAT IT IS FULLY ENFORCEABLE IN ACCORDANCE WITH ITS TERMS AS AGAINST THE GUARANTOR BANK IN THE MANNER PROVIDED HEREIN.

THIS BANK GUARANTEE SHALL NOT BE AFFECTED IN ANY MANNER BY REASON OF MERGER, AMALGAMATION, RESTRUCTURING OR ANY OTHER CHANGE IN THE CONSTITUTION OF THE GUARANTOR BANK.

THIS BANK GUARANTEE SHALL BE A PRIMARY OBLIGATION OF THE GUARANTOR BANK AND ACCORDINGLY PFC CONSULTING LIMITED OR ITS AUTHORIZED REPRESENTATIVE SHALL NOT BE OBLIGED BEFORE ENFORCING THIS BANK GUARANTEE TO TAKE ANY ACTION IN ANY COURT OR ARBITRAL PROCEEDINGS AGAINST THE BIDDER, TO MAKE ANY CLAIM AGAINST OR ANY DEMAND ON THE BIDDER OR TO GIVE ANY NOTICE TO THE BIDDER TO ENFORCE ANY SECURITY HELD BY PFC CONSULTING LIMITED OR ITS AUTHORIZED REPRESENTATIVE OR TO EXERCISE, LEVY OR ENFORCE ANY DISTRESS, DILIGENCE OR OTHER PROCESS AGAINST THE BIDDER.

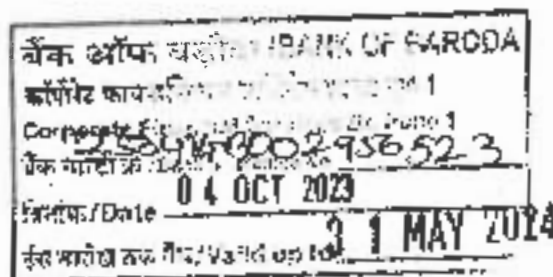
NOTWITHSTANDING ANYTHING TO THE CONTRARY CONTAINED HEREINAFORE, OUR LIABILITY UNDER THIS GUARANTEE IS RESTRICTED TO RUPEES EIGHTEEN CRORE TWENTY LAKH ONLY (RS.18.20 CRORE), AND IT SHALL REMAIN IN FORCE UNTIL MAY 31, 2024, WITH AN ADDITIONAL CLAIM PERIOD OF THREE HUNDRED SIXTY FIVE (365) DAYS THEREAFTER I.E MAY 31, 2025. WE ARE LIABLE TO PAY THE GUARANTEED AMOUNT OR ANY PART THEREOF UNDER THIS BANK GUARANTEE ONLY IF PFC CONSULTING LIMITED OR ITS AUTHORIZED REPRESENTATIVE SERVES UPON US A WRITTEN CLAIM OR DEMAND.

THIS GUARANTEE WILL BE OPERATIVE WHEN ACCOMPANIED WITH ADVICE (SFMS) ISSUED FROM THE ADVISING BANK.

IN WITNESS WHEREOF THE BANK, THROUGH ITS AUTHORIZED OFFICER, HAS SET ITS HAND AND STAMP ON THIS 04TH DAY OF OCTOBER, 2023 AT PUNE

WITNESS:

1.
2.



कुले बँक ऑफ बरोडा
For BANK OF BARODA
कॉर्पोरेट फायनान्सियल सर्विसेस ब्रांच, पुणे
Corporate Financial Services Br., Pune

राजेश लखो/Rajesh Lakhe
प्रबन्धक/Manager

L0242

कुले बँक ऑफ बरोडा
For BANK OF BARODA
कॉर्पोरेट फायनान्सियल सर्विसेस ब्रांच, पुणे
Corporate Financial Services Br., Pune

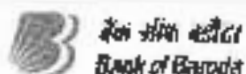
रुद्रकुश भट्टाचार्य/Rudraksh Bhattacharya
मुख्य प्रबंधक-कानून/Chief Manager-Legal

25844



BANK OF BARODA LTD. PUNE CHAMBERKAS BUA CHAMBERKAS CHIKI MATHA ROAD
PUNE, MUMBAI - 411 004
PFC CONSULTING LIMITED, PUNE, CHAMBERKAS CHIKI MATHA ROAD
PUNE, MUMBAI - 411 004





IFN 760 SFMS ACK

----- Message Text -----

Master Reference : 2534IGB002956523

Sender to Receiver Information : BARB0CORPUNICIC0000007

SFMS Message :

{A:INSE010780COVBARB0CORPUNICIC0000007222000T13421737605315328QS2023100416322251008973XXXXXX
XX2534IGB00295652300}#:

:7020 2534IGB002956523

7024:PERFORMANCE

:7025:INR182000000,00

7026:2023100420240531

:7027 20231004

.7029:20250531

:7030 IN

7031 BARB0CORPUN

:7032 39 AMBEDKAR ROAD MANTRI COURT NEAR
RTO7033:STERLITE POWER TRANSMISSION LTD GOD
REJ MILLENNIUM 9 KOREGAON ROAD P UN
E 411 001 PUNE MAHARASHTRA INDIA 41
1001:7034:PFC CONSULTING LIMITED 9TH FLOOR A
WING STATESMAN HOUSE CONNAUGHT PLAC
E NEW DELHI 110001

:7035 ICIC0000007

:7036:ICICI BANK LIMITED NEW DELHI CONN
AUGHT PLACE ICICI Bank Ltd. 9A Ph
elips Building Connaught Place New
Delhi 110001 DELHI

:7038:Bid Bond Guarantee

:7040 N

7048.N

->

SFMS Ack Message

{A:INSE2002510089738BARB0CORPUN202310041632}

----- End -----



**Annexure -16 Checklist for Technical Bid
Submission Requirements**



ANNEXURE 16 – FORMAT OF CHECKLIST FOR TECHNICAL BID SUBMISSION REQUIREMENTS

Technical Bid Submission Requirements		Response (Yes / No)
1.	Format for the Covering Letter on the letterhead of Bidding Company or Lead Member of the Consortium, as applicable;	YES
2.	Format for Letter of Consent from each Consortium Member, including Lead Member, on their respective letterheads;	NO
3.	Format for evidence of authorized signatory's authority ;	YES
4.	Board resolution from the Bidding Company / Lead Member of the Consortium in favour of the person executing the Power of Attorney as per Annexure 3.	YES
5.	Power of Attorney from each Consortium Member in favour of Lead Member to be provided by each of the other Members of the Consortium as per Annexure 4;	NO
6.	Board Resolution from each Member of the Consortium, other than the Lead Member, in favour of their respective authorized representatives for executing the POA, Consortium Agreement and signing of the requisite formats;	NO
7.	Format for Bidder's composition and ownership structure, along with status of equity holding (owning ten percent or more of the total paid up equity) not earlier than thirty (30) days prior to the Bid Deadline as per Annexure 5;	YES
8.	Consortium Agreement duly signed as per Annexure 6, along with Appendix-1, indicating the responsibilities and obligations of each Member of the Consortium;	NO
9.	Format for Qualification Requirement.	YES
a.	Calculation sheets, detailing computation of Networth considered for meeting Qualifying Requirements, duly signed and stamped by the Statutory Auditor of the Bidding Company / each Member in case of a Bidding Consortium / FEE in cases where credentials of FEE is taken;	YES
b.	Calculation sheets, detailing computation of capital expenditure of projects and revenue received in construction projects considered for meeting Qualification Requirements, duly signed and stamped by the Statutory Auditor of the Bidding Company / Lead Member in case of Bidding Consortium / TEE in cases where credentials of TEE is taken;	YES



	c. Last financial year unconsolidated / consolidated audited annual accounts / statements, as the case maybe, of the Financially Evaluated Entity / Technical Evaluated Entity	YES
	d. Unconsolidated audited annual accounts of both the TEE and the Bidding Company/Lead member, as applicable, from the financial years in which financial closure was achieved till the financial year in which the said project was completed / commissioned.	YES
10.	Copy of the Memorandum and Articles of Association and certificate of incorporation or other organizational document(s applicable), including their amendments, certified by the Company Secretary of Bidding Company or each Member in case of a Consortium including Lead Member.	YES
11.	Attachment of Annexure 7(B), detailing projects completed / commissioned and for which commercial operation has commenced including Executive Summary for each project.	YES
12.	For each project listed in the attachment above, certified truecopy of the certificates of final acceptance and / or certificates of good operating performance duly issued by owners or clients for the project, duly signed by authorized signatory in support of technical capability as defined in Clause 2.1.2 of RFP.	YES
13.	Authority letter in favour of BPC from the Bidder/every Member of the Consortium authorizing the BPC to seek reference from their respective bankers & others.	YES
14.	Authorization from Parent / Affiliate of Bidding Company / Member of Bidding Consortium whose technical / financial capability has been used by the Bidding Company / Member of Bidding Consortium.	YES
15.	Initialing of all pages of Technical Bid by the Authorized Signatory in whose favour the POA (Annexure 3) has been executed.	YES
16.	Format for Illustration of Affiliates at the most seven (7) days prior to the Bid Deadline, duly certified by Company Secretary and supported by documentary evidence.	YES
17.	Certified copy of the Register of Members / Demand Account Statement, Share Certificate, Annual Return filed with ROC etc. submitted as documentary evidence along with Annexure 12.	YES
18.	Format for Disclosure by Bidding Company / each Member of the Consortium.	YES
19.	Format for Affidavit by the Bidding Company / each Member of the Consortium.	YES



20.	Format for Authorization submitted in Non-Judicial stamp paper duly notarized.	YES
21.	Bidders Undertaking and details of Equity Investment	YES
22.	Proof of Payment of RFP Fees	YES
23.	Bid Bond/Bid Security Declaration (As applicable)	YES
24.	Board Resolution as per Annexure 11 (If required)	YES

For and on behalf of Bidder
M/s Sterlite Grid 32 Limited.



Mayank Bhatnagar
(Signature of Authorized Signatory)

04 OCT 2023



Annexure 22 –Affidavit





सत्यमेव जयते

INDIA NON JUDICIAL

Government of National Capital Territory of Delhi

e-Stamp

Certificate No.	: IN-DL-57200087480380V
Certificate Issued Date	: 23-Aug-2023 08:19 PM
Account Reference	: IMPAOC (IV)/dl1074803/ DELHI/ DUE/ELH
Unique Doc. Reference	: SUBIN-DL-DL10748038261123038863RV
Purchased by	: STERLITE GRID 32 LIMITED
Description of Document	: Article Others
Property Description	: Not Applicable
Consideration Price (Rs.)	: 0 (Zero)
First Party	: STERLITE GRID 32 LIMITED
Second Party	: Not Applicable
Stamp Duty Paid By	: STERLITE GRID 32 LIMITED
Stamp Duty Amount (Rs.)	: 100 (One Hundred only)



(Please write or type below this line)

AFFIDAVIT

We M/s Sterlite Grid 32 Limited including any of our Affiliate and Consortium Member & any of its Affiliate, hereby declare that as on Bid Deadline:

- a. the Bidder & any of its Affiliate including any Consortium Member & any of its Affiliate, their directors or key personnel have not been barred or included in the blacklist by any government agency or authority in India, the government of the jurisdiction of the Bidder or Members where they are



Signature of Bidder: _____
 1. The validity of this stamp is subject to the condition that the Bidder or any of its Affiliate, their directors or key personnel have not been barred or included in the blacklist by any government agency or authority in India, the government of the jurisdiction of the Bidder or Members where they are
 2. The stamp is subject to the condition that the Bidder or any of its Affiliate, their directors or key personnel have not been barred or included in the blacklist by any government agency or authority in India, the government of the jurisdiction of the Bidder or Members where they are
 3. The stamp is subject to the condition that the Bidder or any of its Affiliate, their directors or key personnel have not been barred or included in the blacklist by any government agency or authority in India, the government of the jurisdiction of the Bidder or Members where they are

Incorporated or the jurisdiction of their principal place of business, any International financial institution such as the World Bank Group, Asian Development Bank, African Development Bank, Inter-American Development Bank, Asian Infrastructure Investment Bank etc. or the United Nations or any of its agencies; or

- b. the Bidder & any of its Affiliate including ~~any Consortium Member & any of its Affiliate~~ or their directors have not been convicted of any offence in India or abroad.

We further declare that ~~following investigations are pending / no investigation is pending~~ [strike off whichever is not applicable] against us [including ~~any of our Consortium Member or Affiliate or Parent or Ultimate Parent or Affiliate~~] or CEO or any of our directors/ manager/ key managerial personnel of the Applicant / ~~Consortium Member or their Affiliates~~.

We further undertake to inform the BPC of any such matter as mentioned above on its occurrence after the date of this affidavit till the Effective Date.

We undertake that, in case any information provided in relation to this affidavit is found incorrect at any time hereafter, our BID / Letter of Intent / contract (if entered) would stand rejected / recalled / terminated, as the case may be.

Mayank

Mayank Bhatnagar

(Signature and Name of the authorized signatory of the Company Bidding Company)



(Signature Notary Public)

Place: _____

Date: _____

04 OCT 2023



NOTE: This Affidavit is to be read in conjunction with the RFP and S.No. 25 of clarifications dt. 05.09.2023, issued by M/s PFCL for this Issued Bid.



ATTESTED
NOTARY PUBLIC
NEW DELHI (INDIA)

04 OCT 2023



Dharm

True Copy

Annexure- 15

FORM-I

Application Form for Grant of Transmission licence**1. Particulars of the Applicant**

- | | | |
|-------|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| I. | Name of the Applicant: | NEEMRANA II KOTPUTLI TRANSMISSION LIMITED |
| II. | Status: | Public Limited Company |
| III. | Address: | DLF Cyberpark, Tower -B, 9th Floor, Udyog Vihar, Phase-III, Sector 20, Gurugram - 122008. |
| IV. | Name, Designation & Address: of the Contact Person | Mr. Balaji Sivan
Authorized Signatory of the Applicant DLF Cyberpark, Tower-B, 9th Floor, Udyog Vihar, Phase-III, Sector 20, Gurugram-122008. |
| V. | Contact Tel. No.: | + 91 8527544855 |
| VI. | Fax No.: | NA |
| VII. | Email ID: | balaji.sivan@sterlite.com |
| VIII. | Place of Incorporation/: | Delhi |
| | Registration | |
| IX. | Year of Incorporation: | 2023 |
| X. | Registration Following documents are to be enclosed: | |
| | a. Certificate of registration: | Annexed with the Petition as Annexure – 3 |
| | b. Original Power of Attorney: | Annexed with Form I. |
| | of the signatory to commit the Applicant or its promoter | |

2. Particulars of the Project for which licence is being sought:

(a) Transmission Lines:

Transmission System for Evacuation of Power from Rajasthan REZ Ph-IV (Part 1) (Bikaner Complex): PART B	
S. No.	Name of the Transmission Element
1.	<i>Neemrana-II -Kotputli 400 kV D/c line (Quad)</i>
2.	<i>2 no. of 400 kV line bays at Kotputli 400 kV line bays at Kotputli - 2 nos.</i>
3.	<i>LILO of both ckts of 400 kV Gurgaon (PG) - Sohna Road (GPTL) D/c line (Quad) at Neemrana-II S/s</i>

(b) Sub-stations:

4.	<p>Establishment of 765/400 kV, 4x1500 MVA (along with one spare unit of 500 MVA) Neemrana-II S/s along with 2x330 MVA_r (765 kV) Bus Reactor (along with one spare unit of 110 MVA_r) & 2x125 MVA_r (420kV) Bus Reactor at a suitable location near Neemrana</p> <ul style="list-style-type: none"> • 765/400 kV 1500 MVA ICTs – 4 nos. (13x500 MVA including one spare unit) • 330 MVA_r Bus Reactor-2 nos. (7x110 MVA_r, including one spare unit) • 765 kV reactor bays- 2 nos. • 125 MVA_r, 420kV bus reactor - 2 nos. • 420 kV reactor bays - 2 nos. • 765 kV ICT bays – 4 nos. • 400 kV ICT bays – 4 nos. • 400 kV line bays - 6 nos. (4 nos. for LILO of Gurgaon -Sohna Road D/c line & 2 nos. for Kotputli D/c line) <p>Future provisions: Space for</p> <ul style="list-style-type: none"> • 765/400kV ICT along with bays- 2 nos. • 765 kV line bays along with switcha-ble line reactors – 12 nos. • 765 kV Bus Reactor along with bay: 1 no.
----	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

	<ul style="list-style-type: none"> • 400 kV line bays along with switchable line reactor –6 no. • 400 kV Bus Reactor along with bay: 1 no. • 400kV Sectionalization bays: 2 sets
--	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

(c) Commissioning Schedule: 24 Months

(d) Identified Long-term transmission customers of the Project: -

(Agreements or status of discussion on Agreements to be submitted along with application)

(e) Any other relevant information: -

3. **Levelised transmission charges in case of project selected through the transparent process of competitive bidding and estimated completion cost of the project in other cases**

(The levelised transmission charges estimated cost should be indicated in INR, along with the base month and year in case of the estimated cost):

INR 1694.65 million per annum

4. **In case applicant has been selected in accordance with the guidelines for competitive bidding, enclose:**

a) Recommendation of selection by the Empowered Committee:

b) Evaluation report made public by the Bid Process Coordinator:

5. **List of Documents Enclosed:** As mentioned in the Index



(Signature of the applicant or the person authorized)

Date: 03.01.2024

Place: New Delhi

CERTIFIED TRUE COPY OF THE RESOLUTION PASSED BY THE BOARD OF DIRECTORS OF NEEMRANA II KOTPUTLI TRANSMISSION LIMITED ON WEDNESDAY, DECEMBER 27, 2023

Authority for making petitions to Central Electricity Regulatory Commission ("CERC") and to deal on behalf of the Company

"RESOLVED FURTHER THAT Mr. Jainendra Kumar Thakur, Mr. Amit Charan, Mr. Raji George, directors of the Company, and Mr. Balaji Sivan Authorized Representative be authorized to:

- make an application / petition to CERC for grant of transmission license and adoption of tariff under Electricity Act, 2003 and Tariff Adoption, approval for creation of security and to execute all necessary applications, documents, undertakings in connection therewith and personally appear before CERC or any other related statutory authority as may be required;
- file petitions before CERC from time to time on behalf of the Company;
- appoint any consultant and lawyers for representing before CERC;
- deal with any Central Transmission Utility of India Limited or any other statutory agency for the purpose of License and Tariff Adoption including signing and submission of undertaking on behalf of the Company for the purpose of compliance pertaining to Transmission Service Agreement;
- register and operate online account of the Company to be created on CERC Portal for e-filing of petitions; and
- do all such acts, deeds, matters and things necessary to give effect to this resolution for Establishment of **TRANSMISSION SYSTEM FOR EVACUATION OF POWER FROM RAJASTHAN REZ PH-IV (PART-1) (BIKANER COMPLEX): PART-B** (hereinafter referred to as "Project") awarded to the Company by REC Power Development and Consultancy Limited, the Bid Process Coordinator, appointed by the Ministry of Power.

for Establishment of "Transmission System for Evacuation of Power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): Part-B" (hereinafter referred to as "Project") awarded to the Company by PFC Consultancy Limited, the Bid Process Coordinator, appointed by the Ministry of Power.

RESOLVED FURTHER THAT certified true copy of this resolution be issued under the signatures of any one of the Directors of the Company."

For Neemrana II Kotputli Transmission Limited

**AMIT
CHARAN**

**Amit Charan
Director**

DIN: 10317871

Address: 217, Deshbandhu Apartment, Kalkaji, South Delhi, Delhi-110019

Date: December 28, 2023



**BEFORE THE HON'BLE CENTRAL ELECTRICITY REGULATORY
COMMISSION, NEW DELHI.
PETITION NO. /TL/2024**

IN THE MATTER OF:

Neemrana II Kotputli Transmission Limited

...Petitioner

Versus

Central Transmission Utility of India Limited & Ors.

...Respondents

VAKALATNAMA

I/We, M/s Neemrana II Kotputli Transmission Limited, the Petitioner in the above Suit/Appeal/Reference/Petition appoint and retain Mr. Gaurav Dudeja (D/1125/2009: Email: Gaurav.dudeja@phoenixlegal.in :Mob:+91 9818833778), Mr. Dhruval Singh (UP/M/03243/2020 Email: Dhruval.singh@phoenixlegal.in Mob: + 91 9099760530) Mr. Ashutosh Ranjan (D/1409/2018 Email Ashutosh.ranjan@phoenixlegal.in +91 8826228692) and Phoenix Legal to act and appear for me/us in the above Suit/Appeal/Petition/Reference on my/our behalf to conduct and prosecute (or defend) the same and all proceedings that may be taken in respect of any Application connected with the same or any decree or other passed herein, to file and obtain return of documents, and to deposit and receive on my/our behalf in the said Suit/Appeal/Petition/Reference and in Application of Revenue and represent me/us and take all necessary steps on my/our behalf in the above matter. I/We agree to ratify all acts done by the aforesaid Advocate in pursuance of this authority.



PETITIONER

MEMO OF APPEARANCE

Sir,

Please enter appearance on behalf of the Petitioner(s)/Appellant(s)/Respondent(s) in the above matter.

Dated this the 3rd day of January' 2024

Gaurav Dudeja, Partner
Phoenix Legal
Advocates for Petitioner
Phoenix House, 254, 1st Floor,
Okhla Industrial Estate, Phase- III,
New Delhi- 110020

01/1409/2018
 UP/M/03243/2020

PETITIONER

CERTIFIED TRUE COPY OF THE RESOLUTION PASSED BY THE BOARD OF DIRECTORS OF NEEMRANA II KOTPUTLI TRANSMISSION LIMITED ON WEDNESDAY, DECEMBER 27, 2023

Authority for making petitions to Central Electricity Regulatory Commission ("CERC") and to deal on behalf of the Company

"RESOLVED FURTHER THAT Mr. Jainendra Kumar Thakur, Mr. Amit Charan, Mr. Raji George, directors of the Company, and Mr. Balaji Sivan Authorized Representative be authorized to:

- make an application / petition to CERC for grant of transmission license and adoption of tariff under Electricity Act, 2003 and Tariff Adoption, approval for creation of security and to execute all necessary applications, documents, undertakings in connection therewith and personally appear before CERC or any other related statutory authority as may be required;
- file petitions before CERC from time to time on behalf of the Company;
- appoint any consultant and lawyers for representing before CERC;
- deal with any Central Transmission Utility of India Limited or any other statutory agency for the purpose of License and Tariff Adoption including signing and submission of undertaking on behalf of the Company for the purpose of compliance pertaining to Transmission Service Agreement;
- register and operate online account of the Company to be created on CERC Portal for e-filing of petitions; and
- do all such acts, deeds, matters and things necessary to give effect to this resolution for Establishment of **TRANSMISSION SYSTEM FOR EVACUATION OF POWER FROM RAJASTHAN REZ PH-IV (PART-1) (BIKANER COMPLEX): PART-B** (hereinafter referred to as "Project") awarded to the Company by REC Power Development and Consultancy Limited, the Bid Process Coordinator, appointed by the Ministry of Power.

for Establishment of "Transmission System for Evacuation of Power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): Part-B" (hereinafter referred to as "Project") awarded to the Company by PFC Consultancy Limited, the Bid Process Coordinator, appointed by the Ministry of Power.

RESOLVED FURTHER THAT certified true copy of this resolution be issued under the signatures of any one of the Directors of the Company."

For Neemrana II Kotputli Transmission Limited

**AMIT
CHARAN**

AMIT CHARAN
DIRECTOR
CIN: U42201DL2023GOI415846
E-mail: amit.charan@sterlite.com
www.sterlitepower.com

**Amit Charan
Director**

DIN: 10317871

Address: 217, Deshbandhu Apartment, Kalkaji, South Delhi, Delhi-110019

Date: December 28, 2023

