

## **Request for proposal for providing innovative solutions to material transport:**

### **1. Introduction:**

Sterlite Power Transmission Limited (Sterlite Power) is driven by its core purpose of empowering humanity by addressing the toughest challenges of energy delivery. Sterlite Power is a leading developer of power transmission infrastructure with 13 projects of nearly 8000 circuit kms spanning India and Brazil. With an industry-leading portfolio of power conductors, EHV cables and OPGW, Sterlite Power also offers solutions for upgrading, uprating and strengthening existing networks. The Company has pioneered deployment of global technologies and innovative financing, thereby setting new benchmarks in project delivery.

For more details, visit: [www.sterlitepower.com](http://www.sterlitepower.com)

### **2. Background:**

The assets that we build takes the electricity network to the farthest and the most difficult terrains of this country, unconnected by road and prone to some extreme climatic condition.

The project life cycle of transmission project can be considered under three broad categories:

- 1) Transport of material from Stores to the locations, where assets will be built.
- 2) Transmission construction:
  - a) Construction of foundation.
  - b) Erection of tower.
  - c) Stringing of conductors.
- 3) Operation and maintenance.

Sterlite power has been at the forefront of Innovation in active use of helicopters etc in movement of men, material and supplies; however significantly large part of the problem of material transport to inaccessible and un-motorable places and mechanization of further processes still needs to be addressed. The transmission industry needs overhaul and massive automation to deliver faster Turnaround time as has happened in other sectors.

### **3. Scope of work:**

The conventional methodology of working needs to be replaced with use of technology, automation and mechanization. This is vital to achieve higher level of efficiency, project delivery and also to meet the growing demand to reduce the turn-around time of the project.

Sterlite Power is looking to engage innovative and vibrant solution providers, on a turnkey basis, who are equipped and willing to offer innovative solutions to shorten the project time lines, by use of technology/automation in transporting materials, constructing foundation, erecting towers and stringing conductors.

Brief scope of work is given below:

Must-Have:

1. Access the entire scope of the work and locations where the assets would be build.
2. Map the locations unconnected by road.
3. Ideate and implement mechanized solution that can transport the materials to these locations and minimize human interaction viz use of Ropeways, use of ATVs etc.
4. Cost benefit analysis of the solution. The idea should serve at least one of the three drivers of the project i.e. efficiency, time and cost.
5. The solution should be ecologically acceptable.
6. Provide a timeline of the project.
7. Pilot testing of the project if the solution is accepted by our management.
8. Necessary due diligence such as permit clearance, co-ordination with other agencies like EPC partner shall be done by the Service Provider
9. Necessary Equipment mobilization should be done by the Service Provider

Preferred/Next level of capability desired:

1. Construction of foundation, erection of tower using mechanical/ automated means (irrespective of locations) and eliminating/ minimizing manual processes.

#### **4. What do we offer?**

Sterlite Power is on the verge of taking a giant leap to next generation of Power Transmission asset creation and it invites capable Service Providers to become part of our journey.

Sterlite Power would provide technical mentoring and Financial Assistance to successful Service Providers that can provide path breaking solution in line with scope of work.

Sterlite Power is keen to create a Win-Win with the short-listed Service Provider by offering sustainable business growth over next 3 to 5 yrs.

#### **Expectation**

Service Provider is expected to submit the following credentials to [amitabh.prasad@sterlite.com](mailto:amitabh.prasad@sterlite.com)

- a. Company Over View – Experience, Financials, Key Personnel
- b. Projects undertaken / Pipeline
- c. List of Machinery
- d. Relevant Case Study
- e. Commercial Offering (Tentative Cost Estimate)
- f. Any other info