Empowering Humanity by Addressing the Toughest Challenges of Energy Delivery

Energy transition is a critical driver to combat climate change impact. India remains among the world's largest producers and consumers of energy in the world. With the country accelerating towards Net Zero by 2070 and with an ambitious target of 500 GW of installed renewable energy by 2030, power transmission will be a key catalyst to connect renewable generation centres to the national grid.

Robust transmission is critical to ensure power delivery from remote areas with rich wind and solar potential to power-hungry population centres. There is a urgent need for reliable financing to stream into the sector.

In many parts of the world, the fight against climate change is being incentivised for organisations to take up decarbonisation agendas. Any sustainable solution to reversing climate change will have to involve massive efforts towards decarbonisation and a shift to clean and green power. With the emergence of renewable energy as one of the key contributors to India's overall energy mix, one of the challenges that the sector is now facing is that huge generation capacities are being added every year, much faster than evacuation systems can be built. As the efforts to meet the long-term renewable energy target pick up pace, it is important to expedite the construction of these transmission systems to ensure the timely evacuation of renewable energy supply.

The strong appetite shown by investors for interstate transmission system transmission assets should reassure states that transmission network development could be done using private investments. The government should encourage large-scale public-private partnership programmes in power transmission to ensure that national commitments are met without relying on states' balance sheets for the same. To attain its true potential in the next decade, the power sector will have to move towards flexible transmission network planning. The networks will have to be planned for N-1-1 and where appropriate, N-2 contingencies, for a truly robust transmission grid.

Sterlite Power continues to be guided by its core purpose of empowering humanity by addressing the toughest challenges of energy delivery.