

Electrical Transmission

Our operations in the electrical infrastructure domain include the development of power transmission and distribution networks, along with the construction of electrical substations. We have implemented several projects under schemes such as the Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY) and the Restructured Accelerated Power Development and Reforms Programme (RAPDRP) for Uttar Pradesh state utilities like PVVNL and DVVNL. Our scope of work spans the complete lifecycle of these electrical infrastructure projects, from survey and design to commissioning.

Transmission infrastructure developed under these projects includes the construction of 33 kV and 11 kV lines using both overhead and underground systems. These installations involve the use of ACSR conductors, XLPE cables, and integration of railway crossing works where applicable. The distribution component covers new installations and the upgradation of legacy systems, including the implementation of Aerial Bunched Cables (ABC) and armored LT cables for single-phase and three-phase distribution. We also construct and commission substations of various capacities, including 33/11 kV substations, power transformers ranging from 25 kVA to 10 MVA, and mobile trolley-mounted substations. In addition to core power infrastructure, we deliver power quality and automation solutions such as capacitor banks with Automatic Power Factor Control (APFC) panels, metering systems for distribution transformers, consumer service connections, and street lighting automation systems. All work is executed in alignment with the standards set by the respective state electricity boards and central power sector policies.