

Detailed scope of works
and Technical
Specification

25 kV Electrification of Kotra - Jhansi section, 110 TKms, INDIA:-

IRCON was awarded the work of Railway Electrification of Kotra - Jhansi Trunk Route on Central Railway of Indian Railways Network. The work was completed between July, 1986 to Dec'1987. The work on the 110 TKM section had to be carried out under traffic blocks on high density Trunk Route. The Project involved complete Design, Supply, Erection, Testing and Commissioning of 25 kV polygonal type, SNCF design based self-regulating Overhead Catenary system with steel masts. The Project involved close coordination and interfacing with Railway Authorities to avoid minimum disruption to the train operation. Main features of the Catenary system were:

- Swiveling type Cantilever assemblies with galvanized steel tubes.
- Winch type self regulating equipment
- Portals in station areas.
- 65 mm sq. cadmium copper Catenary wire
- 107 mm sq. electrolytic copper Contact wire
- ACSR Return Conductor
- Booster Transformers
- Return Conductor to Rail connections
- Sectioning and Sub-sectioning Posts
- Disconnecting Switches

