

Detailed scope of works
and Technical
Specification

25 kV Electrification of Mathura – Gangapur section, 380 TKMs, INDIA:-

IRCON undertook the work of Railway Electrification of Mathura - Gangapur Trunk Route on Western Railway of Indian Railways Network between April'1984 to March'1987. The work on the 380 TKM section had to be carried out under traffic blocks on high density Trunk Route. In addition to Railway Electrification, complete work of two nos. 132/25 kV Traction sub-station was carried out by IRCON. 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
- Disconnecting Switches.
- Return Conductor to Rail connections
- Sectioning and Sub-sectioning Posts
- Two nos. 132/25 kV Traction Sub-station

