

Detailed scope of works
and Technical
Specification

25 kV Electrification of Sirhind – Ropar - Una section, 145 TKms,

INDIA:-

IRCON completed the work of Railway Electrification of Sirhind – Ropar – Una section on Northern Railway of Indian Railways Network between June'1998 to March'2001. The work on the 145 TKM single line section with 13 stations had to be carried out under traffic blocks conditions. 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. Close coordination and interfacing with Railway Authorities was maintained in planned way to avoid disruption to the train operation. Main features of the Catenary system were:

- Swiveling type Cantilever assemblies with galvanized steel tubes.
- Three pulley 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

