

Detailed scope of works
and Technical
Specification

25 kV Electrification of Delhi Ring Railway Network, 131 TKms, INDIA:-

IRCON was awarded with the work of Railway Electrification of Delhi Ring Railway (Suburban) Network (131 Tkm) of Indian Railways before hosting of Asian Games in 1982 in New Delhi. The completion period for the project was very tight and 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 other designated Contractors of Indian Railways engaged in the work of doubling of existing single line on the entire section. 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
- 66/25 kV Traction Sub-station
- Sectioning and Sub-sectioning Posts
- Disconnecting Switches

