

Detailed scope of works
and Technical
Specification

Railway Electrification of 3rd Line between Ghaziabad and Aligarh:

IRCON completed the work of construction of road bed, bridges, installation of track, Railway Electrification and General Electrification in connection with provision of third line on Aligarh – Ghaziabad Section (106 KM) in the state of Uttar Pradesh, India between 2006 to 2012.

The work involved laying of new track along with Railway Electrification at 25 KV. The route had heavy traffic. The work was carried out adjacent to the existing double track with extreme site conditions and facing multiple challenges and co-ordination to connect the new line at each station with existing track.



At three Traction Sub-stations, Mehrawal, Khurja and Dankaur, an additional transformer bay of 132/27.5 KV, 21.6 MVA, 50 Hz, single phase were added. All the existing switching post at Kulwa, Somna, Danwar, Chola, Dadri and Ghaziabad were modified to incorporate 3rd line. A new SSP was created at Aligarh Junction. New Remote Terminal Unit (RTU) were installed on switching post for remote operation of switching devices in SCADA system.