

Transmission Project Elements

| S. No. | Name of the Transmission Element | Conductor per phase |
|-----------|---|--|
| A) | Construction of 400/220/132 kV GIS substation Mohanlalganj (Lucknow) with associated 400 kV Lines | |
| 1. | Construction of 400/220/132 kV GIS substation (2x500+2x200 MVA), Mohanlalganj (Lucknow) (including 125 MVAR Bus Reactor) <ul style="list-style-type: none"> i. 400 kV 500 MVA ICT bay - 02 nos. ii. 220 kV 500 MVA ICT bay - 02 nos. iii. 220 kV 200 MVA ICT bay - 02 nos. iv. 132 kV 200 MVA ICT bay - 02 nos. v. 400 kV 125 MVAR Bus Reactor bay - 01 no. vi. 400 kV Feeder bay - 04 nos. vii. 220 kV Feeder bay - 06 nos. viii. 132kV Feeder bay - 02 nos. Construction of following extra bay for future extension: <ul style="list-style-type: none"> i. 400 kV Feeder bay - 02 nos. ii. 220 kV Feeder bay - 04 nos. iii. 132 kV Feeder bay - 04 nos. | |
| 2. | LILo of Sarojani Nagar (400kV) - Unnao (765kV) 400 kV S/C line on 400 kV GIS substation Mohanlalganj (on Twin Moose Conductor) | Twin Moose ACSR Conductor |
| 3. | LILo of Lucknow (PG) 400 kV - Sultanpur (400kV) S/C line on 400 kV GIS S/S Mohanlalganj (on Twin Moose Conductor) | Twin Moose ACSR Conductor |
| B) | Construction of LILo Line | |
| 1. | LILo of 765 kV Ghatampur - Hapur (WUPPTCL) line on 765 kV GIS S/S Rampur with River crossing | Quad Bersimis ACSR Conductor |
| 2. | LILo of one circuit 400 kV Bareilly (PGCIL) - Muradabad D/C line on 765 kV GIS S/S Rampur | Twin Moose ACSR Conductor |
| C) | Construction of LILo lines on Monopole | |
| 1. | LILo of one circuit on monopole or any other suitable lattice structure in compliance to related IS-802 of CEA guideline of 400 kV Aaur (WUPPTCL) – Indirapuram (WUPPTCL) D/C Quad Moose on 400 kV GIS S/S Sector-123, Noida | Quad Moose ACSR or equivalent HTLS conductor |



Sanyal