

GRID
KOLKATA
India

ALSTOM T&D India Limited,
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ALSTOM

Ref. : ATDIL/ AGN / 02/2013

Date : 20th April, 2013

To whom it may concern

This is to certify that M/S SATCON was appointed to provide electrical detail design drawings and calculations for 10 nos. 33/6.6kV Indoor LBDS substations, 3 nos. 6.6/0.433kV LCSS substations and interconnecting cable tunnels for SAIL, IISCO Steel Plant modernization under Alstom T&D India Limited P.O.no. **7900003008 dt. 15.09.08.**

The job included the following work in brief:

1. Protection and metering single line diagrams for 33/6.6/0.433kV systems.
2. Electrical layout plan and elevation of all substations.
3. Civil assignment drawings for all substations and outdoor transformer yards..
4. NGR sizing calculations.
5. Battery and battery charger sizing calculations for all substations.
6. Cable tray layout plan and sectional details for all substations.
7. Earthing calculation and layout for all substations.
8. Lighting layout, SLD, calculations and BOM for all substations.
9. Lightning protection layout and details for all substations.
10. Power and control cable schedules and interconnection diagrams.

This is to certify that M/S SATCON has completed the work in stipulated time and to the satisfaction of all concerned.


Alope Guha Niyogi
Dy. General Manager (Projects)