

Annexure – A

A detailed technical specifications of Lighting Distribution Panel are as follows.

1. PANEL FABRICATION SPECIFICATIONS:

The Panels will be made out with 2 mm thick CRCA sheet steel for outer frames and doors & 1.6 mm thick for Barriers sheets and other internal parts, fabricated suitable for floor mounted dust & vermin proof compartmentalized cubicle design, indoor type with fixed modular construction. The Lighting Distribution Panel will be made suitable for IP 54 enclosure protection clause as per IS. The panel shape and size will be similar to the drawing enclosed along with the enquiry specification. The panel will be pretreated under seven tank process for degreasing, de-rusting and phosphating surface treatment and apply powder coating paints of Siemens Grey Structure paint for both exterior and interior confirming to shade No. RAL 7032 as per your requirement. The panel will be provided with Electrolytic grade tinned copper bus-bars of 400A. Rating with 1 x 10 x 30mm for each phase and 1 x 6 x 30 mm for Neutral as specified. Cable entry will be provided at bottom side of the Panel at rear side as per requirement. The Bus-bars will be provided with heat shrinkable PVC sleeves of electric grade with colour coded as per the standard codes. The bus-bars will be supported on TPN bus-bar supports made of DMC material. Necessary ventilating louvers with screens will be provided for all bus-bar chamber covers. The Power Distribution Panel will be provided with 1 No. Earth bus of size 6 x 25 mm copper flat for the entire length of the panel with provision for earth pit connection at both ends.

Auxiliary Components Specifications.

QtyDescriptionMakes

1 No.	0-500V. Digital Voltmeter,	Conzerv/AE/Elmazer/L&T/Seimens.
1 No.	0- 400A. Digital Ammeter	Conzerv/AE/Elmazer/L&T/Seimens.
1 No.	Voltmeter Selector Switch 4 Pos.	Salzer/Kaycee/L&T/Seimens.
1 No.	Ammeter Selector Switch 4 Pos.	Salzer/Kaycee/L&T/Seimens.
1 No.	KWH meter	Conzerv/AE/L&T/Seimens.
3 Nos.	1600/5A. (Resin cast)Current Transformers	Kalpa/Powerniks/L&T/Seimens.
1 Set	R, Y, B Indicating Lamps	L&T/Siemens/GE/ABB.
3 Nos.	6A. SP MCBs for controls.	Siemens/L&T/GE/ABB.

Incoming /Outgoing Switches Specifications.

QtyDescriptionMakes

1 No.	400A. TPN SDF with HRC fuses	L&T/Siemens/ABB/GE
2 Nos.	250A. TPN SDF with HRC fuses	L&T/Siemens/ABB/GE
2 Nos.	100A. TPN SDF with HRC fuses	L&T/Siemens/ABB/GE
3 Nos.	63 A. TPN SDF with HRC fuses	L&T/Siemens/ABB/GE
2 Nos.	32 A. TPN SDF with HRC fuses	L&T/Siemens/ABB/GE
1 No.	32 A. MCB DB 12Way	L&T/Siemens/ABB/GE
9 Sets.	R, Y, B indicating lamps	L&T/Siemens/ABB/GE