

A. TECHNICAL PARTICULARS:

Sr. No.	Description	Unit
1.	Type of Busduct	415 V, 3phase 3wire Non-Segregated Phase LT Busduct (Indoor)
2.	Voltage	Operating Voltage- 440V, Maximum Voltage- 1.1 KV
3.	Current rating	2500A
4.	One minute dry withstand power frequency voltage (KV)	2.5
5.	Air clearance	25mm (P-P) & 19mm (P-E)
6.	Busbar Material	Copper (With matt black paint and Tinned contact surfaces at Joints)
7.	Enclosure Material	3.0mm Aluminium,
8.	Paint	Exterior Powder coated- RAL 5012, Interior- Matt Black
9.	Support Insulator	SMC
10.	Fault Current	50 KA for 1 Sec. and peak- 105KA
11.	Ambient Temp.	50 deg. C
12.	Temp. Rise (Busbars)	40 deg. C
13.	Temp. Rise (Enclosure)	20 deg. C
14.	Ingress Protection	IP55
15.	Earth Bus	Aluminium (2 x 50 x6 mm)
16.	Busduct support structure material	GI Hot dip galvanized
17.	Space Heater assembly	80W, 240VAC, 30-110 deg C
18.	Standard	IS-8623

B. BILL OF MATERIAL:

Each set of busduct shall consist of following items

Sr. No.	Description	Unit	Qty.
1	2500A BUSDUCT	METER	6
2	TINNED COPPER FLEXIBLES 2500A	SET (RYB)	2
3	ADDTNL. HARDWARE ADAPTER BOX 2500A	SET	2
4	RUBBER BELLOW 2500A	EA	2
5	90 DEG BEND HARDWARE FOR 2500A	EA	4
6	SILICAGEL GEL BREATHING ASSEMBLY	EA	2
7	SPACE HEATER AND THERMOSTAT	EA	2
8	MARSHALLING BOX	EA	1
9	BUSDUCT SUPPORT STRUCTURE	KG	200

C. NOTE:

- Bidder must furnish the unit price of each item as mentioned above.
- The bus duct length SHALL BE measured between the tip of equipment flanges and along the centre line of the busduct including all accessories like bends, rubber bellows, adaptor box, etc.
- The accessories (ONLY HARDWARE) are to be paid over and above the straight run length of the bus ducts. The cost of conductor shall be part of busduct length.