

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR****Tender Notice No. 11/IWD/ED/30****SCHEDULE OF QUANTITY**

Name of work: Providing UPS power supply for CDUs and PAHUs installed in new data centre under NSM.

Name of the Contractor					
S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
1	Supplying & drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface / recessed steel / PVC conduit as reqd.				
a)	6 x 6 Sq.mm..	200.00	Mtr.		
b)	4 x 10 Sq.mm..	100.00	Mtr.		
c)	4 x 16 Sq.mm..	200.00	Mtr.		
2	Supplying, installation DLP plastic trunking 105mm x 50mm and accessories plastic trunking without cover, for trunking, covers and partitions etc. as reqd.				
a)	Plastic trunking without cover	60.00	Mtr.		
b)	Flexible Cover 85mm width	60.00	Mtr.		
c)	End caps	10.00	Nos.		
d)	Internal angle adustable from 80°-100°	5.00	Nos.		
e)	external angle adustable from 60°-120°	5.00	Nos.		
f)	Flat junction	5.00	Nos.		
g)	Flat angle	5.00	Nos.		
h)	cover Joints	20.00	Nos.		
i)	base joints	25.00	Nos.		
3	Supplying, installation DLP mini- trunking 32mm x 20mm and accessories white-system with independent cover- without central partion etc. as reqd.				
a)	Mini- trunking	50.00	Mtr.		
b)	End cap left or right	2.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
c)	Internal/ external angle	2.00	Nos.		
4	Supplying & Laying of one no. XLPE sheathed aluminum conductor steel armoured power cable of size 3-1/2x95 sq.mm. 1.1kV grade in following manners.				
a)	In open duct	20.00	Mtr.		
5	Supplying and making indoor end termination with brass compression gland, aluminum lugs for following size of PVC insulated & PVC sheathed/XLPE aluminum cable of 1.1kV grade as reqd.				
a)	3-1/2x 95 sq.mm.	4.00	Nos.		
6	Supplying and fixing Following rating, 240 volts, 'C' series, MCB suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as reqd.				
a)	Single Pole & Neutral (5 amps to 32 amps)	3.00	Nos.		
b)	Triple pole (40 amps to 63 amps)	12.00	Nos.		
7	S & F metal enclosure suitable for DP/TPN MCB / DP ELCB on surface or recessed etc as reqd.	10.00	Nos.		
8	S&F single pole blanking plates in existing MCB DB complete etc. as required.	200.00	Nos.		
9	Supplying & fixing copper lugs suitable for following size copper conductor cable.				
a)	6 sq.mm.	60.00	Nos.		
b)	10 sq.mm.	50.00	Nos.		
c)	16 sq.mm.	50.00	Nos.		
10	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	20.00	Mtr.		
11	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required	20.00	Mtr.		
12	S & F, connecting and commissioning 4 pole side/ front handle operated in sheet steel enclosure changeover switch of following capacity etc. as reqd.				
a)	100A , on load, 440 V Ca. No. E--CSCS100NM4CO Make C&S	1.00	Nos.		
13	S & F 32 mm size of steel flexible pipe alongwith the accessories on surface etc as required.	20.00	Mtr.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
14	Supplying and installing following size of perforated painted with powder coating M.S. cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required				
a)	100 mm width X 50 mm depth X 1.6 mm thickness	20.00	Mtr.		
	Total Rs.				