

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR****Tender Notice No. 116/IWD/ED/595****SCHEDULE OF QUANTITY**

Name of work: Providing additional power points along with distribution boards and other associated work in OID SAC block 'C'.

Name of the Contractor					
S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
1	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/recessed steel/PVC conduit as reqd.				
a	3 x 4 Sq.mm	250.00	Mtr		
b	3 X 6 Sq.mm	120.00	Mtr		
c	2 X 6 Sq.mm	20.00	Mtr		
d	4 x 25 Sqmm	20.00	Mtr.		
2	Providing and fixing following rating and breaking capacity four pole 415V 50Hz MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc as required.				
a	250 Amp, 35/36 KA	1.00	Nos.		
3	S&F connecting and commissioning independent mounting of 250 amp MCCB enclosure make legrand or its equivalent approved make in surface/recess I/c cutting the wall and making good the same in case of recessed as reqd.	1.00	Nos.		
4	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
a	12 Way, double door	1.00	Nos.		
5	Supplying and fixing following way prewired TP&N MCB distribution board of steel sheet for 415 volts on surface/ recess complete with loose wire box, terminal connectors for all incoming and outgoing circuits, duly prewired with suitable size FR PVC insulated copper conductor up to terminal blocks, tinned copper bus bar, neutral link, earth bar, din bar, detachable gland plate, interconnections, powder painted including earthing etc. as required.(But without MCB/ RCCB/ Isolator)				

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
a	8 way (4 + 24), Double door	1.00	Nos.		
6	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required . (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.)				
a	12 way (4 + 36), Double door	1.00	Nos.		
7	S & F following rating and pole, 240 volts 'C' curve 10 kA, lexic MCB of following pole in the existing MCB DB complete with connection, testing & commissioning etc as reqd.				
a	Single Pole (5 Amp to 32 Amp)	50.00	Nos.		
b	Double Pole (5 Amp to 32 Amp)	1.00	Nos.		
c	Tripple Pole (5 Amp to 32 Amp)	3.00	Nos.		
d	Four Pole (5 Amp to 32 Amp)	3.00	Nos.		
e	Single Pole (40 Amp to 63 Amp)	4.00	Nos.		
f	Double Pole (40 Amp to 63 Amp)	1.00	Nos.		
g	Tripple pole (40 Amp to 63 Amp)	3.00	Nos.		
h	Four Pole (40 Amp to 63 Amp)	4.00	Nos.		
8	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth metal enclosed plug top along with 20 amps ' C ' series SP, MCB, in the sheet steel enclosure, on surface or in recess, with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc as required.	1.00	Nos.		
9	Earthing with Copper bonded earth electrode 50mm dia x 3 mtr length including earth enhancing compound (Jam Fill quality product) and PIT cover for earthing pit etc as reqd. (503 CBE JMV).	4.00	Set		
10	Providing and fixing 25 mm X 5 mm copper strip in 40 mm dia G.I. pipe from earth electrode including connection with brass nut, bolt, spring, washer excavation and re-filling etc. as required.	19.00	Mtr		

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11	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.	1.00	Mtr		
12	Supplying, installation DLP mini- trunking 32mm x 20mm and accessories white-system with independent cover-without central partion etc. as reqd.	20.00	Mtr.		
13	Supply and fixing of following items for plastic trunking accessories suitable for size 32 mm x 20 mm				
a	End cap	2.00	Nos.		
b	Internal angle/ External angle	4.00	Nos.		
c	Changeable flat angle	2.00	Nos.		
d	Flat Junction	2.00	Nos.		
14	Providing and fixing DLP plastic trunking of size 105 mm x 50 mm without cover on surface as reqd.	95.00	Mtr.		
15	Providing and fixing 85 mm width flexible cover of DLP plastic trunking. (size 105 mm x 50 mm.)	95.00	Mtr.		
16	Supply and fixing of following items for plastic trunking accessories suitable for size 105 mm x 50 mm.				
a	End cap	4.00	Nos.		
b	Internal angle.	8.00	Nos.		
c	External angle	10.00	Nos.		
d	Flat Junction	2.00	Nos.		
e	Changeable flat angle	4.00	Nos.		
f	Separation partitons	80.00	Mtr.		
g	cover joint	12.00	Nos.		
h	Base joint	24.00	Nos.		
17	Supplying and fixing following modular switch/socket on the existing modular plate & switch box/ DLP plastic trunking including connections but excluding modular plate etc as reqd.				
a	5/6 amps switch	14.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
b	15/16 amps switch	107.00	Nos.		
c	3 pin 5/6 amps socket outlet	14.00	Nos.		
d	6 pin 15/16 amps socket outlet	107.00	Nos.		
e	Blanking Plate	2.00	Nos.		
18	Supplying and fixing following Modular GI/plastic base & cover plate on existing modular metal boxes/DLP plastic trunking etc. as required.				
a	3 module	1.00	Nos.		
b	6 module	60.00	Nos.		
19	S/F, copper cable socket suitable for following size of conductor.				
a	6 Sqmm	12.00	Nos.		
b	25 Sqmm	12.00	Nos.		
20	Drawing of computer network cable in existing pipe / casing and capping as reqd including numbering the wires at both the ends.	600.00	Mtr.		
21	Fixing, Internet Box of size 75mm x 75mm x 40 mm including brass screw on surface / recessed as reqd.	20.00	Nos.		
22	S & F metal enclosure suitable for DP/FP MCB/ on surface or recessed etc as reqd.	4.00	Nos.		
23	S & F of following size of steel flexible pipe alongwith the accessories on surface etc as required.				
a	20 mm	2.00	Mtr.		
b	25 mm	5.00	Mtr.		
c	40 mm	20.00	Mtr.		
	Total Rs.				