

INDIAN INSTITUTE OF TECHNOLOGY KANPUR



Tender Notice No. 123/IWD/ED/517

SCHEDULE OF QUANTITY

Name of Work: Providing power points and copper earthing and other associated work in BSBE 'B' Block.

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 1.5 Sq.mm	30.00	Mtr		
b	3 X 2.5 Sq.mm	120.00	Mtr		
c	3 x 4 Sq.mm	70.00	Mtr		
d	3 X 10 Sq.mm	30.00	Mtr		
e	3 X 16 Sq.mm	110.00	Mtr		
2	Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as reqd.				
a	20 mm	5.00	Mtr		
b	25 mm	5.00	Mtr		
c	32 mm	30.00	Mtr		
3	Supply and fixing of 32 x 20 mm DLP mini- trunking white-system with independent cover but without central partion etc. as required complete.	10.00	Mtr.		
4	Supply and fixing of following accessories suitable for 32 mm x 20 mm size plastic trunking white system.				
a	End cap	2.00	Nos.		
b	Internal angle/ External angle	4.00	Nos.		
c	Changeable flat angle	4.00	Nos.		
d	Flat Junction	2.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
5	Supply and fixing of 105 x 50 mm DLP trunking white-system but without cover and partion etc. as required complete.	30.00	Mtr.		
6	Supply and fixing of following accessories suitable for 105 mm x 50 mm size plastic trunking white system.				
a	85 mm width flexible cover	30.00	Mtr.		
b	End cap	6.00	Nos.		
c	Internal angle.	4.00	Nos.		
d	External angle	4.00	Nos.		
e	Flat Junction	2.00	Nos.		
f	Changeable flat angle	4.00	Nos.		
g	Separation partitions	25.00	Mtr.		
h	cover joint	12.00	Nos.		
i	Base joint	24.00	Nos.		
7	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).	2.00	Set		
8	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.	30.00	Mtr		
9	Extra for cutting and drilling hole & panting of down rod of G.I pipe,15 mm dia for ceiling fan etc as required.	8.00	Job		
10	Supplying & fixing 15 mm dia GI pipe for down rod for fixing of ceiling fans etc as reqd.	6.00	Mtr.		
11	S & F of following size of steel flexible pipe alongwith the accessories on surface etc as required.				
a	20 mm	5.00	Mtr.		
b	25 mm	5.00	Mtr.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
c	32 mm	2.00	Mtr.		
12	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, 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	8 way , Double door	1.00	No.		
13	Supplying and fixing following way prewired vertical type TP&N MCB distribution board of steel sheet for 415 volts on surface/ recess complete with loose wire box of sheet steel, dust protected, duly powder painted, inclusive of 200 amps tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCB's, terminal connectors for all incoming and outgoing circuits, duly prewired with adequate size of FR PVC insulated copper conductor upto the terminal connector/ neutral link, earthing etc as required (But without MCB/ RCCB/ Isolator). (Note : Prewired vertical type MCB TPDB is normally used where 3 phase outlets are required.)				
a	8 way (4 + 24) Double door	1.00	Nos.		
14	Supplying and fixing following rating, 240/415 volts, 'C' series, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc as reqd.				
a	Single Pole (5 Amp to 32 Amp)	41.00	Nos.		
b	Double Pole (40 Amp to 63 Amp)	3.00	Nos.		
c	Tripple Pole (40 Amp to 63 Amp)	1.00	Nos.		
d	Four Pole (40 Amp to 63 Amp)	2.00	Nos.		
15	S & F metal enclosure suitable for DP/TP/FP MCB on surface or recessed etc as reqd.	2.00	Nos.		
16	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.	30.00	Mtr		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
17	Supply, installation testing and commissioning of following LED light fixtures complete with driver, reflector, diffuser and lamp as required complete.				
a	18 watt LED recess mounted luminaires, POLARIS IV make Crompton or equivalent approved make.	4.00	Nos.		
b	34/35/36 watt, 600 mm X 600 mm LED recess mounted luminaires, POLARIS I make Crompton or equivalent approved make.	12.00	Nos.		
18	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	27.00	Nos.		
b	15/16 amps switch	16.00	Nos.		
c	3/5 pin 5/6 amps socket outlet	27.00	Nos.		
d	3/5 pin 15/16 amps socket outlet	16.00	Nos.		
e	Blanking Plate	5.00	Nos.		
19	Supplying and fixing following Modular GI/plastic base & cover plate on existing modular metal boxes/DLP plastic trunking etc. as required.				
a	3 Module	17.00	Nos.		
b	6 Module	13.00	Nos.		
20	Laying UTP cable enhanced cat 5/cat 6 cable in existing steel conduit pipe/GI pipe/ raceway / RCC pipe as reqd. the cost shall also include numbering of networking wire from room to rack as reqd. (wire will be supplied by dept)	300.00	Meter		
21	Fixing of RJ-45 modular box with cover plate or I/o box for internet on surface/ recessed cutting the wall making good the same as required. (box and cover plate will be supplied by dept.)	14.00	Nos.		
22	Dismantling the old conduit pipe/wood batten of all sizes from surface/recessed & making good the damages I/c filling the holes of the surface etc as reqd.	15.00	Mtr.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
23	Dismantling damaged DB/TPN Switches/ loose wire boxes/ M.S. boxes alongwith all accessories and depositing the same in the store as reqd.	10.00	Nos.		
24	Installation, testing and commissioning of ceiling fan including wiring the down rods of standard length (upto 30 cm)/wall fan/cabin fan, with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable, including providing and fixing phenolic laminated sheet cover on the fan box etc. as required.	8.00	Nos.		
25	Dismantling of ceiling fan / rally fan / all type fitting without regulator I/c depositing in store etc as reqd.	20.00	Nos.		
	Total Rs.				