

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR****Tender Notice No. 13 /IWD/ED/42****SCHEDULE OF QUANTITY**

Name of work: Construction of one UPS/ Battery room next to telephone exchange SH: Electrical works.

Name of the Contractor					
S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.				
a)	Group 'C'	45.00	Points		
2	Supplying & 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..	70.00	Mtr.		
b)	3 x 4 Sq.mm..	100.00	Mtr.		
c)	2 x 6 Sq.mm..	450.00	Mtr.		
d)	4 x 16 Sq.mm..	450.00	Mtr.		
3	S & F of following size of steel conduit along with the accessories in surface/recess I/c 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	40.00	Mtr.		
b)	25 mm	140.00	Mtr.		
c)	32 mm	5.00	Mtr.		
4	S & F following size/modules, GI box along with modular base and cover plate for modular switches in recess etc.as required.				
a)	3 module	4.00	Nos.		
b)	4 module	8.00	Nos.		
c)	6 module	2.00	Nos.		

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d)	8 module	8.00	Nos.		
5	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)	6-way , Double door	1.00	Nos.		
6	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 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)	6 way (4 + 18), Double door	1.00	Nos.		
b)	8 way (4 + 24), Double door	5.00	Nos.		
7	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 (5 amps to 32 amps)	20.00	Nos.		
b)	Single Pole & Neutral (5 amps to 32 amps)	2.00	Nos.		
c)	Triple pole (40 amps to 63 amps)	1.00	Nos.		
d)	Triple pole & Neutral (40 amps to 63 amps)	2.00	Nos.		
8	S&F single pole blanking plates in existing MCB DB complete etc. as required.	2.00	Nos.		
9	S & F metal enclosure suitable for DP/TPN MCB / DP ELCB on surface or recessed etc as reqd.	1.00	Nos.		
10	Supply and installation testing and commissioning of following surface/recess mounted, IP20, with metallic CRCA powder coated housing cover highefficiency diffuser, THD less than10, power factor above 0.9. Philips make or its equivalent.				
a)	15/16W LED surface light 1"X1" or round cat no. SM 251/261	10.00	Nos.		
11	Supply and laying of HDPE pipe ISI mark of 25mm size outer dia, minimum 2mm thick I/c cartage loading & unloading etc. as reqd.				

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a)	Laying charges in open duct	40.00	Mtr.		
12	Supplying & fixing copper lugs suitable for following size copper conductor cable.				
a)	6 sq.mm.	100.00	Nos.		
b)	16 sq.mm.	100.00	Nos.		
13	Supply, fixing, following modular type switch / socket on existing modular plate & switch box including connectins but excluding modular plate etc. as reqd.				
a)	5/6 Amp switch	20.00	Nos.		
b)	15/16 Amp. switch	20.00	Nos.		
c)	3 Pin 5/6 Amp. socket outlet	20.00	Nos.		
d)	6 Pin 15/16 Amp. socket outlet.	20.00	Nos.		
e)	Blanking plate	10.00	Nos.		
14	Supply, Installation, testing & commissioning of AC ceiling fan of following sweep 220 volts without regulator I/c wiring the down rods of standard length up to 30 cm with 1.5 sq.mm. PVC insulated copper conductor single core cable etc as reqd.				
a)	1200 mm	5.00	Nos		
15	Laying UTP/ RJ-11/ RJ-6/ Telephone wire/ cable in existing steel conduit pipe/ GI pipe/ HDPE pipe as reqd. (The cost shall also include numbering of networking wire from room to rack as reqd.)	500.00	Mtr.		
16	Installation ,Testing, Commissioning of wall bracket /ceiling fittings of all sizes and shapes containing upto two GLS/CFL/LED lamps per fitting, complete with all accessories including connections etc. as required.	25.00	Nos.		
17	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.	1.00	Mtr.		
18	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.)	20.00	Nos.		
19	Supplying and Fixing40 x 40 x 6 mm size angle iron in required shape and size i/c cutting, welding, painting etc. as reqd.	20.00	Mtr.		

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20	Fixing internet rack on steel fastener including cartage from store to site as reqd complete.	1.00	Nos.		
21	Fixing, connecting, testing & commissioning all type SP, TPN DBs and painting. with enamel paint as reqd	2.00	Nos.		
22	Providing and fixing circular/ Hexagonal cast iron or M.S. sheet box for ceiling fan clamp, of internal dia 140 mm, 73 mm height, top lid of 1.5 mm thick M.S. sheet with its top surface hacked for proper bonding, top lid shall be screwed into the cast iron/ M.S. sheet box by means of 3.3 mm dia round headed screws, one lock at the corners. Clamp shall be made of 12 mm dia M.S. bar bent to shape as per standard drawing	12.00	Nos.		
23	Supplying and installing following size of perforated Hot Dipped Galvanised Iron cable tray (Galvanisation thickness not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with G.I. suspenders including G.I. bolts & nuts, etc. as required.				
a)	100 mm width X 50 mm depth X 1.6 mm thickness	5.00	Mtr.		
b)	300 mm width X 50 mm depth X 1.6 mm thickness	5.00	Mtr.		
24	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	30.00	Mtr.		
b)	Flexible Cover 85mm width	30.00	Mtr.		
c)	End caps	2.00	Nos.		
d)	Internal angle adjustable from 80°-100°	5.00	Nos.		
e)	external angle adjustable from 60°-120°	5.00	Nos.		
f)	SeparationPartitions	10.00	Nos.		
g)	Flat angle	2.00	Nos.		
25	Supplying, installation DLP mini- trunking 32mm x 20mm and accessories white-system with independent cover- without central partion etc. as reqd.				
a)	Mini- trunking	40.00	Mtr.		
b)	End cap left or right	2.00	Nos.		
	Total Rs.				