

INDIAN INSTITUTE OF TECHNOLOGY KANPUR

Tender Notice No. 05 /IWD/ED/32

SCHEDULE OF QUANTITY

Name of work: Electrical work for under dec insulation in fluid Mechanics Laboratory and Fabrication shop (NL-I 303 & 313).

Name of the Contractor					
S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
1	Rewiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable and 1.5 sq.mm FRLS PVC insulated copper conductor single core cable as earth wire in existing surface/ recessed steel/PVC conduit including dismantling as required.				
a	Group 'C'	44.00	Nos.		
2	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	50.00	Mtr		
b	3 X 2.5 Sq.mm	50.00	Mtr		
c	3 x 4 Sq.mm	100.00	Mtr		
d	2 X 10 Sq.mm	200.00	Mtr		
3	Supplying, installation DLP mini- trunking 32mm x 20mm and accessories white-system with independent cover-without central partion etc. as reqd.	90.00	Mtr.		
4	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	10.00	Nos.		
c	Changeable flat angle	8.00	Nos.		
d	Flat Junction	2.00	Nos.		
5	Providing and fixing DLP plastic trunking of size 105 mm x 50 mm without cover on surface as reqd.	35.00	Mtr.		
6	Providing and fixing 85 mm width flexible cover of DLP plastic trunking. (size 105 mm x 50 mm.)	30.00	Mtr.		
7	Supply and fixing of following items for plastic trunking accessories suitable for size 105 mm x 50 mm.				
a	End cap	2.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
b	Internal angle.	2.00	Nos.		
c	External angle	2.00	Nos.		
d	Flat Junction	2.00	Nos.		
e	Changeable flat angle	2.00	Nos.		
f	Separation partitions	15.00	Mtr.		
g	cover joint	6.00	Nos.		
h	Base joint	16.00	Nos.		
8	Extra for cutting and drilling hole & panting of down rod of G.I pipe,15 mm dia for ceiling fan etc as required.	17.00	Job		
9	Supplying & fixing 15 mm dia GI pipe for down rod for fixing of ceiling fans etc as reqd.	11.00	Mtr.		
10	S & F of following size of steel flexible pipe alongwith the accessories on surface etc as required.				
a	20 mm	7.00	Mtr.		
b	25 mm	5.00	Mtr.		
11	Earthing with GI 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. (193GI JMV)	4.00	Set		
12	Supplying and laying 25 mm X 5 mm G.I. strip at 0.50 metre below ground as strip earth electorde, including soldering etc. as required.	110.00	Mtr		
13	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	125 Amp, 25 KA	1.00	Nos.		

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14	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.		
15	Supplying and fixing following rating, 240 volts, 'C' series, minature 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)	18.00	Nos.		
b	Tripple Pole (5 Amp to 32 Amp)	1.00	Nos.		
c	Tripple Pole (40 Amp to 63 Amp)	1.00	Nos.		
d	Four Pole (40 Amp to 63 Amp)	1.00	Nos.		
16	Supplying and fixing following of size/modules, GI box along with modular base & cover plate for modular switches in recess etc as reqd.				
a	6 module (200mm x 75mm)	3.00	Nos.		
b	12 module (200mm x 150mm)	5.00	Nos.		
17	S&F connecting and commissioning independent mounting of MCCB enclosure suitable upto 200 amp MCCB as per approved make in surface/recess I/c cutting the wall and making good the same in case of recessed as per approved make etc as reqd.	1.00	Nos.		
18	S & F metal enclosure suitable for DP/FP MCB/ on surface or recessed etc as reqd.	1.00	Nos.		
19	S/F, connecting, testing and commissioning 34/35/36 watt LED recess mounted luminaires with diffuser suitable for 600 mm X 600 mm moduler POP/Gypsem ceiling etc.as reqd.	27.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
20	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	56.00	Nos.		
b	15/16 amps switch	14.00	Nos.		
c	3 pin 5/6 amps socket outlet	12.00	Nos.		
d	6 pin 15/16 amps socket outlet	14.00	Nos.		
e	Blanking Plate	5.00	Nos.		
21	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	13.00	Nos.		
22	Supplying and fixing following Module Plastic box for fixing modular switches/sockets in surface/recess etc as required.				
a	6 Module	2.00	Nos.		
23	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	17.00	Nos.		
24	Supply, Installation, testing & commissioning of Ceiling fan of following 220 volts 50 Hz without regulator I/c wiring the down rods of standard length up to 30 cm with 1.5 sqmm PVC insulated copper conductor single core cable etc as reqd.				
a	1200 mm sweep	17.00	Nos		
25	S/F, copper cable lug suitable for following size of conductor.				
a	10 Sqmm	20.00	Nos.		
26	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.	50.00	Mtr.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
27	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.		
28	Dismantling of ceiling fan / rally fan / all type fitting without regulator I/c depositing in store etc as reqd.	42.00	Nos.		
29	Fixing of 20/25 mm dia steel conduit pipe alongwith the accessories in surface/recessed I/c painting in case of surface conduit or cutting the wall & making good the same in case of recessed conduit as reqd.	10.00	Mtr.		
	Total Rs.				