

INDIAN INSTITUTE OF TECHNOLOGY KANPUR

Tender Notice No. 100 /IWD/ED/567

SCHEDULE OF QUANTITY

Name of Work: Modification & renovation of electrical installation in Divyadrishiti Lab below ME office.

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	10.00	Mtr		
b	3 X 2.5 Sq.mm	100.00	Mtr		
c	3 x 4 Sq.mm	60.00	Mtr		
d	3 X 10 Sq.mm	40.00	Mtr		
e	3 X 16 Sq.mm	10.00	Mtr		
2	Supplying, installation DLP mini- trunking 32mm x 20mm and accessories white-system with independent cover-without central partion etc. as reqd.	10.00	Mtr.		
3	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	2.00	Nos.		
c	Changeable flat angle	2.00	Nos.		
d	Flat Junction	1.00	Nos.		
4	Providing and fixing DLP plastic trunking of size 105 mm x 50 mm without cover on surface as reqd.	40.00	Mtr.		
5	Providing and fixing 85 mm width flexible cover of DLP plastic trunking. (size 105 mm x 50 mm.)	38.00	Mtr.		
6	Supply and fixing of following items for plastic trunking accessories suitable for size 105 mm x 50 mm.				
a	End cap	10.00	Nos.		
b	Internal angle.	6.00	Nos.		
c	External angle	4.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
d	Flat Junction	6.00	Nos.		
e	Changeable flat angle	2.00	Nos.		
f	Separation partitions	35.00	Mtr.		
g	cover joint	8.00	Nos.		
h	Base joint	16.00	Nos.		
7	S & F of following size of steel flexible pipe alongwith the accessories on surface etc as required.				
a	20 mm	15.00	Mtr.		
b	25 mm	5.00	Mtr.		
8	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.		
9	S&F connecting and commissioning independent mounting of MCCB enclosure suitable 125 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.		
10	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.		
11	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	12 way (4 + 36) Double door	1.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
12	Supplying and fixing following rating, 240 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)	39.00	Nos.		
b	Tripple Pole (5 Amp to 32 Amp)	1.00	Nos.		
c	Four Pole (5 Amp to 32 Amp)	1.00	Nos.		
d	Single Pole (40 Amp to 63 Amp)	3.00	Nos.		
e	Double Pole (40 Amp to 63 Amp)	3.00	Nos.		
f	Tripple Pole (40 Amp to 63 Amp)	1.00	Nos.		
g	Four Pole (40 Amp to 63 Amp)	1.00	Nos.		
13	S & F metal enclosure suitable for DP/FP MCB/ on surface or recessed etc as reqd.	3.00	Nos.		
14	S/F, connecting, testing and commissioning 1 x 20 watt LED tube fitting surface mounting/ceiling suspended luminares suitable mounting rail for T-LED lamps with 1 No. 20 watt T-LED lamps etc.as reqd	1.00	Nos.		
15	S/F, connecting, testing and commissioning 2 x 20 watt LED tube fitting surface mounting/ceiling suspended luminares suitable mounting rail for T-LED lamps with 2 No. 20 watt T- LED lamps (Polycarbonate) and connection etc.as reqd	4.00	Nos.		
16	S/F, connecting, testing and commissioning 34/35/36 watt LED recess mounted luminares with diffuser suitable for 600 mm X 600 mm modular POP/Gypsem ceiling etc.as reqd.	12.00	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	15.00	Nos.		
b	15/16 amps switch	25.00	Nos.		
c	3 pin 5/6 amps socket outlet	25.00	Nos.		
d	6 pin 15/16 amps socket outlet	15.00	Nos.		
e	Blanking Plate	5.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
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	19.00	Nos.		
b	6 Module	10.00	Nos.		
19	Supplying and fixing following Module Plastic box for fixing modular switches/sockets in surface/recess etc as required.				
a	3 Module	20.00	Nos.		
b	6 Module	10.00	Nos.		
20	Fixing, Internet Box of size 75mm x 75mm x 40 mm including brass screw on surface / recessed as reqd.	20.00	Nos.		
21	Drawing of computer network cable/ PVC insulated flexible cooper/ Aluminium single core cable of size 1.5sqmm to 25 sqmm/ telephone cable upto 10 pair in existing pipe / casing and capping as reqd including numbering the wires at both the ends.	750.00	Mtr.		
22	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	2.00	Nos		
23	S/F, copper cable lug suitable for following size of conductor.				
a	10 Sqmm	11.00	Nos.		
b	16 Sqmm	12.00	Nos.		
24	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.	25.00	Mtr.		
25	Dismantling damaged DB/TPN Switches/ loose wire boxes/ M.S. boxes alongwith all accessories and depositing the same in the store as reqd.	20.00	Nos.		
26	Dismantling of ceiling fan / rally fan / all type fitting without regulator I/c depositing in store etc as reqd.	15.00	Nos.		
	Total Rs.				