

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR****Tender Notice No. 122/IWD/ED/643****SCHEDULE OF QUANTITY**

Name of work: Renovation of electrical installation and providing internet points in new lab space in NL-II 105 in academic area.

Name of the Contractor					
S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
	Part-A:				
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'	20.00	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	30.00	Mtr		
b	3 X 2.5 Sq.mm	150.00	Mtr		
c	3 x 4 Sq.mm	30.00	Mtr		
d	3 X 6 Sq.mm	60.00	Mtr		
e	3 X 10 Sq.mm	30.00	Mtr		
f	3 X 16 Sq.mm	10.00	Mtr		
3	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	20.00	Mtr		
4	Supplying, installation DLP mini- trunking 32mm x 20mm and accessories white-system with independent cover-without central partition etc. as reqd.	15.00	Mtr.		
5	Supply and fixing of following items for plastic trunking accessories suitable for size 32 mm x 20 mm				

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
a	End cap	5.00	Nos.		
6	Providing and fixing DLP plastic trunking of size 105 mm x 50 mm without cover on surface as reqd.	55.00	Mtr.		
7	Providing and fixing 85 mm width flexible cover of DLP plastic trunking. (size 105 mm x 50 mm.)	55.00	Mtr.		
8	Supply and fixing of following items for plastic trunking accessories suitable for size 105 mm x 50 mm.				
a	End cap	6.00	Nos.		
b	Internal angle.	10.00	Nos.		
c	External angle	10.00	Nos.		
d	Flat Junction	2.00	Nos.		
e	Changeable flat angle	3.00	Nos.		
f	Separation partitions	50.00	Mtr.		
g	cover joint	10.00	Nos.		
h	Base joint	30.00	Nos.		
9	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 soc	2.00	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	8 Way, double door	2.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
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.		
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)	46.00	Nos.		
b	Double Pole (40 Amp to 63 Amp)	2.00	Nos.		
c	Tripple Pole (40 Amp to 63 Amp)	2.00	Nos.		
d	Four Pole (40 Amp to 63 Amp)	3.00	Nos.		
13	Supplying and fixing following of size/modules, GI box along with modular base & cover plate for modular switches in recess etc as reqd.				
a	12 module (200mm x 150mm)	2.00	Nos.		
14	S & F metal enclosure suitable for DP/FP MCB/ on surface or recessed etc as reqd.	2.00	Nos.		
15	S/F, connecting, testing and commissioning 1 x 20 watt LED tube fitting surface mounting/ceiling suspended luminaires suitable mounting rail for T-LED lamps with 1 No. 20 watt T-LED lamps and connection etc.as reqd	1.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
16	S/F, connecting, testing and commissioning 34/35/36 watt LED recess mounted luminaires with diffuser suitable for 600 mm X 600 mm modular POP/Gypsem ceiling POLARIS I make Crompton or equivalent approved make.	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	55.00	Nos.		
b	15/16 amps switch	33.00	Nos.		
c	3 pin 5/6 amps socket outlet	33.00	Nos.		
d	6 pin 15/16 amps socket outlet	33.00	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	1 or 2 Module	1.00	Nos.		
b	3 Module	3.00	Nos.		
c	6 Module	33.00	Nos.		
19	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.	8.00	Nos.		
20	Fixing, Internet Box of size 75mm x 75mm x 40 mm including brass screw on surface / recessed as reqd.	15.00	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.	400.00	Mtr.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
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	8.00	Nos		
23	Supply,Installation of exhaust fan 220 volt, 50 Hz of following sizes in the existing opening I/c connection, testing, commissioning etc as reqd.				
a	375 mm	1.00	Nos.		
b	450 mm	1.00	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.	20.00	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.	10.00	Nos.		
26	Dismantling of ceiling fan / rally fan / all type fitting without regulator I/c depositing in store etc as reqd.	20.00	Nos.		
	Total A				
	Part-B				
1	Buy back against item no.24	20.00	Mtr.		
2	Buy back against item no.25	10.00	Nos.		
3	Buy back against item no.26 (Fan/Fitting)	20.00	Nos.		
	Total-B				
	Grand Total Rs.				