

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR****Tender Notice No. 53/IWD/ED/201****SCHEDULE OF QUANTITY**

Name of work: Providing and fixing 5 A & 15 A power points, net points fans fittings etc WLE 112 A, Old Core Lab 101 E, ACES-201, SL 112, ACES 307 and CL 104D.

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'	24.00	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	73.00	Mtr		
b	3 X 2.5 Sq.mm	195.00	Mtr		
c	3 x 4 Sq.mm	90.00	Mtr		
d	3x16 Sq.mm	31.00	Mtr		
3	Supply and drawing following PVC insulated copper conductor flexible round cable for connection of equipment, exhaust fan, AC etc. as reqd.				
a	3 core 2.5 Sq.mm	40.00	Mtr.		
4	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	32 mm	10.00	Mtr		
5	Supply and fixing of 32 x 20 mm DLP mini- trunking white-system with independent cover but without central partion etc. as required complete.	91.00	Mtr.		
6	Supply and fixing of following accessories suitable for 32 mm x 20 mm size plastic trunking white system.				

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
a	End cap	2.00	Nos.		
b	Internal angle/ External angle	8.00	Nos.		
c	Changeable flat angle	4.00	Nos.		
d	Flat Junction	2.00	Nos.		
7	Supply and fixing of 105 x 50 mm DLP trunking white-system but without cover and partion etc. as required complete.	53.00	Mtr.		
8	Supply and fixing of following accessories suitable for 105 mm x 50 mm size plastic trunking white system.				
a	85 mm width flexible cover	41.00	Mtr.		
b	End cap	32.00	Nos.		
c	Internal angle.	3.00	Nos.		
d	External angle	4.00	Nos.		
e	Flat Junction	1.00	Nos.		
f	Changeable flat angle	1.00	Nos.		
g	cover joint	18.00	Nos.		
h	Base joint	36.00	Nos.		
9	S & F of following size of steel flexible pipe alongwith the accessories on surface etc as required.				
a	25 mm	12.00	Mtr.		
b	32 mm	28.00	Mtr.		
10	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 amps "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	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	8 way (4 + 24) Double door	1.00	Nos.		
12	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)	32.00	Nos.		
b	Double Pole (5 Amp to 32 Amp)	5.00	Nos.		
c	Tripple Pole (40 Amp to 63 Amp)	1.00	Nos.		
d	Four Pole (40 Amp to 63 Amp)	1.00	Nos.		
13	Supplying and fixing following size/modules, GI box along with modular base & cover plate for modular switches in recess etc as reqd.				
a	6 module (200mm x 75mm)	1.00	Nos.		
b	12 module (200mm x 150mm)	6.00	Nos.		
14	S & F metal enclosure suitable for DP/TP/FP MCB on surface or recessed etc as reqd.	5.00	Nos.		
15	Supply, installation, testing and commissioning of following LED lamp in existing fitting as required complete.				
a	20 watt ESENTIAL PHILIPS or equivalent Tube inplace of 36/40 W FL tube	8.00	Nos.		
16	Supply, installation testing and commissioning of following LED light fixtures complete with driver, refelctor, diffuser and lamp as required complete.				

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a	1 x 20 watt LED tube fitting surface, rail mounting / ceiling suspended.	6.00	Nos.		
b	2 x 20 watt LED tube fitting surface, rail mounting / ceiling suspended.	10.00	Nos.		
c	18 watt LED recess mounted luminaires, POLARIS IV make Crompton or equivalent approved make.	3.00	Nos.		
d	18 watt LED surface mounted luminaires, POLARIS NIO III, 300mm x 300mm make Crompton or equivalent approved make.	2.00	Nos.		
e	34/35/36 watt, 600 mm X 600 mm LED recess mounted luminaires, POLARIS I make Crompton or equivalent approved make.	14.00	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	147.00	Nos.		
b	15/16 amps switch	37.00	Nos.		
c	3/5 pin 5/6 amps socket outlet	106.00	Nos.		
d	3/5 pin 15/16 amps socket outlet	37.00	Nos.		
e	Blanking Plate	9.00	Nos.		
f	2 module stepped type electronic fan regulator	12.00	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	5.00	Nos.		
b	3 Module	25.00	Nos.		
c	6 Module	61.00	Nos.		
19	Supplying and fixing following Module Plastic box for fixing modular switches/sockets in surface/recess etc as required.				
a	1 or 2 Module	5.00	Nos.		
b	12 /16 Module	1.00	Nos.		
20	Supply fixing connecting & commissioning of 5 Amp. 3 pin Plug top ISI mark as reqd.	1.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
21	Supply fixing connecting & commissioning of 15 Amp. 3 pin Plug top ISI mark as reqd.	5.00	Nos.		
22	Fixing, Internet Box of size 75mm x 75mm x 40 mm including brass screw on surface / recessed as reqd.	25.00	Nos.		
23	Drawing of computer network cable/ PVC insulated flexible copper/ 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.	450.00	Mtr.		
24	Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CMM/W) minimum 6.85, Air delivery minimum 215 CMM, 350 RPM (tolerance as per IS : 374-2019), THD less than 10%, remote or electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required.	6.00	Nos		
25	Supply,Installation, connecting , testing and commissioning of following sizes exhaust fan, 220 volt, 50 Hz in the existing opening as reqd complete.				
a	450 mm	2.00	Nos.		
b	600 mm	1.00	Nos.		
26	Supply, Fixing, shutter for following sizes of exhaust fan on rag bolts as reqd. complete.				
a	450 mm	2.00	Nos.		
b	600 mm	1.00	Nos.		
27	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.		
28	Dismantling & refixing DB/TPN Switches upto 100A/ loose wire boxes/ M.S. boxes alongwith all accessories etc as reqd.	6.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
29	Dismantling damaged DB/TPN Switches/ loose wire boxes/ M.S. boxes alongwith all accessories and depositing the same in the store as reqd.	4.00	Nos.		
30	Dismantling of ceiling fan / rally fan / all type fitting without regulator I/c depositing in store etc as reqd.	16.00	Nos.		
31	Dismantling and refixing of switch / socket /regulator I/c cleaning, connecting, commissioning etc as reqd.	10.00	Nos.		
	Total Rs.				