

INDIAN INSTITUTE OF TECHNOLOGY KANPUR					
Tender Notice No. 44/IWD/ED/223					
SCHEDULE OF QUANTITY					
Name of work: Modification & renovation of electrical installation in CL-202C.					
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'	2.00	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	100.00	Mtr		
c	3 x 4 Sq.mm	120.00	Mtr		
d	3 x 6 sq. mm	30.00	Mtr		
e	3 x 10 Sqmm	20.00	Mtr.		
3	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.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
4	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.		
5	S & F following rating and pole, 240 volts 'C' curve 10 kA, lexic MCB of following pole in the existing MCB DB complete with connection, testing & commissioning etc as reqd.				
a	Single Pole (5 Amp to 32 Amp)	25.00	Nos.		
b	Double Pole (5 Amp to 32 Amp)	1.00	Nos.		
c	Tripple Pole (5 Amp to 32 Amp)	3.00	Nos.		
d	Four Pole (5 Amp to 32 Amp)	3.00	Nos.		
e	Single Pole (40 Amp to 63 Amp)	2.00	Nos.		
f	Double Pole (40 Amp to 63 Amp)	1.00	Nos.		
g	Tripple pole (40 Amp to 63 Amp)	1.00	Nos.		
h	Four Pole (40 Amp to 63 Amp)	1.00	Nos.		
6	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	3.00	Nos.		
7	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, 25KA	1.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
8	S&F connecting and commissioning independent mounting of 125 amp MCCB enclosure make legrand or its equivalent approved make in surface/recess I/c cutting the wall and making good the same in case of recessed as reqd.	1.00	Nos.		
9	Supplying, installation DLP mini- trunking 32mm x 20mm and accessories white-system with independent cover-without central partion etc. as reqd.	40.00	Mtr.		
10	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	4.00	Nos.		
c	Changeable flat angle	4.00	Nos.		
d	Flat Junction	2.00	Nos.		
11	Providing and fixing DLP plastic trunking of size 105 mm x 50 mm without cover on surface as reqd.	50.00	Mtr.		
12	Providing and fixing 85 mm width flexible cover of DLP plastic trunking. (size 105 mm x 50 mm.)	40.00	Mtr.		
13	Supply and fixing of following items for plastic trunking accessories suitable for size 105 mm x 50 mm.				
a	End cap	4.00	Nos.		
b	Internal angle.	6.00	Nos.		
c	External angle	5.00	Nos.		
d	Flat Junction	2.00	Nos.		
e	Changeable flat angle	1.00	Nos.		
f	Separation partitions	30.00	Mtr.		
g	cover joint	4.00	Nos.		
h	Base joint	20.00	Nos.		
14	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.				

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
a	5/6 amps switch	30.00	Nos.		
b	15/16 amps switch	17.00	Nos.		
c	3 pin 5/6 amps socket outlet	8.00	Nos.		
d	6 pin 15/16 amps socket outlet	17.00	Nos.		
e	Blanking Plate	10.00	Nos.		
15	Supplying and fixing following Modular GI/plastic base & cover plate on existing modular metal boxes/DLP plastic trunking etc. as required.				
a	3 Module	5.00	Nos.		
b	6 Module	10.00	Nos.		
16	Supplying and fixing stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	6.00	Nos.		
17	S & F following rating moduler RJ-11 telephone jack (1M) complete with modular box i/c modular base & cover plate etc as reqd.	2.00	Nos.		
18	S/F, connecting, testing and commissioning 34/35/36 watt LED recess mounted luminaires with PMMA diffuser suitable for moduler ceiling etc.as reqd.	11.00	Nos.		
19	S/F, connecting, testing and commissioning 18 watt LED recess mounted luminaires with diffuser suitable for moduler ceiling/POP/Gypsem ceiling etc.as reqd.	5.00	Nos.		
20	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(Havells/Orient/ Bajaj or its equivalent make)				
a	1200 mm	6.00	Nos.		
21	Drawing of computer network cable in existing pipe / casing and capping as reqd including numbering the wires at both the ends.	200.00	Mtr.		
22	Fixing, Internet Box of size 75mm x 75mm x 40 mm including brass screw on surface / recessed as reqd.	6.00	Nos.		
23	S & F metal enclosure suitable for DP/FP MCB/ on surface or recessed etc as reqd.	3.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
24	S/F, copper cable lug suitable for following size of conductor.				
a	10 Sqmm	12.00	Nos.		
25	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.	15.00	Mtr.		
26	Dismantling damaged DB/TPN Switches/ loose wire boxes/ M.S. boxes alongwith all accessories and depositing the same in the store as reqd.	2.00	Nos.		
27	Dismantling of ceiling fan / rally fan / all type fitting without regulator I/c depositing in store etc as reqd.	19.00	Nos.		
28	S & F of following size of steel flexible pipe alongwith the accessories on surface etc as required.				
a	20 mm	5.00	Mtr.		
b	25 mm	5.00	Mtr.		
	Total Rs.				