

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR****Tender Notice No. 28/Elect./2019****SCHEDULE OF QUANTITY****Name of Work: Modification & renovation of 10 Rooms at Tutorial Block (SH: Electrical works).****Name of the Contractor**

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 Sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 Sq.mm. FR PVC insulated copper conductor single core cable etc as required.				
a	Group C	90.00	Point		
2	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 conduit including dismantling as required.				
a	Group 'C'	10.00	Nos.		
3	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	150.00	Mtr		
b	3 X 2.5 Sq.mm	750.00	Mtr		
c	3 x 4 Sq.mm	150.00	Mtr		
d	6 x 16 Sqmm	350.00	Mtr.		
4	Supplying and drawing following pair 0.5 Sq.mm FRLS PVC insulated copper conductor, unarmoured telephone cable in the existing surface/recessed steel/PVC conduit as reqd.				

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
a	2 Pair	250.00	Mtr		
5	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	100.00	Mtr		
b	25 mm	250.00	Mtr		
c	32 mm	125.00	Mtr		
6	Supplying and fixing following of size/modules, GI box along with modular base & cover plate for modular switches in recess etc as reqd.				
a	1 or 2 module (75mm x 75mm)	10.00	Nos.		
b	3 module (100mm x 75mm)	40.00	Nos.		
c	4 module (125mm x 75mm)	10.00	Nos.		
d	6 module (200mm x 75mm)	5.00	Nos.		
e	8 module (125mm x 125mm)	10.00	Nos.		
f	12 module (200mm x 150mm)	15.00	Nos.		
7	Supplying and fixing of following ways surface/recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A, tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs i/c loose wire box (but without MCBs and incomer) as required.				
a	8 way Double door	5.00	Nos.		
8	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.				

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
a	Single Pole ( 5 Amp to 32 Amp )	90.00	Nos.		
b	Double Pole ( 5 Amp to 32 Amp )	10.00	Nos.		
c	Tripple Pole ( 5 Amp to 32 Amp )	10.00	Nos.		
d	Four Pole ( 5 Amp to 32 Amp )	1.00	Nos.		
e	Single Pole ( 40 Amp to 63 Amp )	1.00	Nos.		
f	Double Pole ( 40 Amp to 63 Amp )	1.00	Nos.		
g	Tripple Pole ( 40 Amp to 63 Amp )	5.00	Nos.		
h	Four Pole ( 40 Amp to 63 Amp )	5.00	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 socket outlet and complete with connections, testing and commissioning etc as required.	2.00	Nos.		
10	Supplying, installation DLP mini- trunking 32mm x 20mm and accessories white-system with independent cover- without central partion etc. as reqd.	10.00	Mtr.		
11	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	2.00	Nos.		
d	Flat Junction	2.00	Nos.		
12	Providing and fixing DLP plastic trunking of size 105 mm x 50 mm without cover on surface as reqd.	110.00	Mtr.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
13	Providing and fixing 85 mm width flexible cover of DLP plastic trunking. (size 105 mm x 50 mm.)	110.00	Mtr.		
14	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	7.00	Nos.		
d	Flat Junction	4.00	Nos.		
e	Changeable flat angle	4.00	Nos.		
f	Separation partitions	100.00	Mtr.		
g	cover joint	10.00	Nos.		
h	Base joint	20.00	Nos.		
15	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	130.00	Nos.		
b	15/16 amps switch	40.00	Nos.		
c	3 pin 5/6 amps socket outlet	30.00	Nos.		
d	6 pin 15/16 amps socket outlet	40.00	Nos.		
e	Blanking Plate	10.00	Nos.		
16	Supplying and fixing following Modular GI/plastic base & cover plate on existing modular metal boxes/DLP plastic trunking etc. as required.				
a	3 Module	2.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
b	4 Module	2.00	Nos.		
c	6 module	3.00	Nos.		
d	8 Module	2.00	Nos.		
17	Supplying and fixing stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	30.00	Nos.		
18	S & F following rating moduler RJ-11 telephone jack (1M) complete with modular box i/c modular base & cover plate etc as reqd.	5.00	Nos.		
19	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	1400 mm	30.00	Nos.		
20	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.	80.00	Nos.		
21	Supplying, fixing, connecting & commissioning of mirror /Black board light fitting with 20 watt tube LED type i/c suitable arrangement of fixing etc. as reqd.	15.00	Nos.		
22	S/F, copper cable socket suitable for following size of conductor.				
a	16 Sqmm	60.00	Nos.		
23	Drawing of computer network cable in existing pipe / casing and capping as reqd including numbering the wires at both the ends.	500.00	Mtr.		
24	Fixing, Internet Box of size 75mm x 75mm x 40 mm including brass screw on surface / recessed as reqd.	20.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
25	S & F metal enclosure suitable for DP/FP MCB/ on surface or recessed etc as reqd.	10.00	Nos.		
26	S & L following following size HDPE pipe 8kgf/cm 2 in ground after digging the trench & refilling the same ramming the loose soil and making good the same as reqd.				
a	32 mm dia	20.00	Mtr		
b	40 mm dia	100.00	Mtr		
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.	70.00	Mtr.		
28	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.		
29	Dismantling of ceiling fan / rally fan / all type fitting without regulator I/c depositing in store etc as reqd.	40.00	Nos.		
30	S & F of following size of steel flexible pipe alongwith the accessories on surface etc as required.				
a	20 mm	10.00	Mtr.		
b	25 mm	10.00	Mtr.		
	<b>Total Rs.</b>				