

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR****Tender Notice No. 130/Elect/2020****SCHEDULE OF QUANTITY****Name of Work: Provision of electrical points & fittings for newly constructed rooms in first floor of courtyard area of Structural Engineering Laboratory, CE.**

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	85.00	Mtr		
b	3 X 2.5 Sq.mm	609.00	Mtr		
c	3 x 4 Sq.mm	162.00	Mtr		
d	3 X 6 Sq.mm	543.00	Mtr		
2	Supplying, installation DLP mini- trunking 32mm x 20mm and accessories white-system with independent cover-without central partion etc. as reqd.	45.00	Mtr.		
3	Providing and fixing DLP plastic trunking of size 105 mm x 50 mm without cover on surface as reqd.	211.00	Mtr.		
4	Providing and fixing 85 mm width flexible cover of DLP plastic trunking. (size 105 mm x 50 mm.)	135.00	Mtr.		
5	Supply and fixing of following items for plastic trunking accessories suitable for size 105 mm x 50 mm.				
a	End cap	14.00	Nos.		
b	Internal angle.	12.00	Nos.		
c	Changeable flat angle	8.00	Nos.		
d	Separation partitions	20.00	Mtr.		
e	cover joint	65.00	Nos.		
f	Base joint	120.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
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	4.00	Nos.		
7	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.		
8	Supplying and fixing following rating, 240 volts, 'C' series, minature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc as reqd.				
a	Tripple Pole (5 Amp to 32 Amp)	22.00	Nos.		
b	Four Pole (5 Amp to 32 Amp)	22.00	Nos.		
9	Supplying and fixing following of size/modules, GI box along with modular base & cover plate for modular switches in recess etc as reqd.				
a	6 module (200mm x 75mm)	11.00	Nos.		
10	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	6.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
11	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	16.00	Nos.		
b	15/16 amps switch	134.00	Nos.		
c	3 pin 5/6 amps socket outlet	2.00	Nos.		
d	6 pin 15/16 amps socket outlet	134.00	Nos.		
12	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	12.00	Nos.		
b	3 Module	2.00	Nos.		
c	6 Module	56.00	Nos.		
13	Supplying and fixing following Module Plastic box for fixing modular switches/sockets in surface/recess etc as required.				
a	1 or 2 Module	10.00	Nos.		
14	S & F metal enclosure suitable for DP/FP MCB/ on surface or recessed etc as reqd.	22.00	Nos.		
15	Fixing, Internet Box of size 75mm x 75mm x 40 mm including brass screw on surface / recessed as reqd.	8.00	Nos.		
16	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.	780.00	Mtr.		
	Total Rs.				