

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR****Tender Notice No. 105/Elect./2019****SCHEDULE OF QUANTITY****Name of Work: Providing three phase, single phase power points, internet points alongwith associated work at 5th Floor and utility area at NcFlexE.****Name of the Contractor**

<b>S. No</b>	<b>Description of Items</b>	<b>Qty</b>	<b>Unit</b>	<b>Rate in Figures in Rupees</b>	<b>Amount</b>
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	450.00	Mtr		
b	3 X 2.5 Sq.mm	50.00	Mtr		
c	3 x 4 Sq.mm	300.00	Mtr		
d	3 X 6 Sq.mm	100.00	Mtr		
e	3 X 10 Sq.mm	100.00	Mtr		
2	Supplying and laying following sizes of 1.1 KV Grade industrial flexible copper cable following core etc as reqd.				
a	3 core 1.5 sq. mm	50.00	Mtr		
b	4 core 2.5 sq. mm	50.00	Mtr		
c	5 core 6 sq. mm	100.00	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	32 mm	100.00	Mtr		
4	Providing and fixing DLP plastic trunking of size 105 mm x 50 mm without cover on surface as reqd.	150.00	Mtr.		
5	Providing and fixing 85 mm width flexible cover of DLP plastic trunking. (size 105 mm x 50 mm.)	120.00	Mtr.		
6	Supply and fixing of following items for plastic trunking accessories suitable for size 105 mm x 50 mm.				
a	End cap	22.00	Nos.		
b	Internal angle.	10.00	Nos.		
c	External angle	9.00	Nos.		

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d	Flat Junction	1.00	Nos.		
e	Changeable flat angle	9.00	Nos.		
f	Separation partitions	10.00	Mtr.		
g	cover joint	30.00	Nos.		
h	Base joint	20.00	Nos.		
7	S & F of following size of steel flexible pipe alongwith the accessories on surface etc as required.				
a	20 mm	100.00	Mtr.		
8	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	3.00	Nos.		
9	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.		
10	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	Single Pole ( 5 Amp to 32 Amp )	48.00	Nos.		
b	Double Pole ( 5 Amp to 32 Amp )	3.00	Nos.		
c	Tripple Pole ( 5 Amp to 32 Amp )	5.00	Nos.		
d	Four Pole ( 5 Amp to 32 Amp )	7.00	Nos.		
e	Single Pole ( 40 Amp to 63 Amp )	10.00	Nos.		
f	Tripple Pole ( 40 Amp to 63 Amp )	5.00	Nos.		

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g	Four Pole ( 40 Amp to 63 Amp )	8.00	Nos.		
11	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	200 Amp, 35/36 KA	1.00	Nos.		
12	S&F connecting and commissioning independent mounting of MCCB enclosure suitable 200 amp MCCB as per approved make in surface/recess I/c cutting the wall and making good the same in case of recessed as per approved make etc as reqd.	1.00	Nos.		
13	S & F metal enclosure suitable for DP/FP MCB/ on surface or recessed etc as reqd.	15.00	Nos.		
14	Supplying and fixing following of size/modules, GI box along with modular base & cover plate for modular switches in recess etc as reqd.				
a	3 module (100mm x 75mm)	5.00	Nos.		
b	4 module (125mm x 75mm)	10.00	Nos.		
c	6 module (200mm x 75mm)	15.00	Nos.		
d	8 module (125mm x 125mm)	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	110.00	Nos.		
b	15/16 amps switch	20.00	Nos.		
c	3 pin 5/6 amps socket outlet	110.00	Nos.		
d	6 pin 15/16 amps socket outlet	20.00	Nos.		
e	Blanking Plate	2.00	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	25.00	Nos.		
b	6 Module	25.00	Nos.		
17	Fixing, Internet Box of size 75mm x 75mm x 40 mm including brass screw on surface / recessed as reqd.	80.00	Nos.		
18	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.	5000.00	Mtr.		

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19	Supplying and fixing 32 amps, 415 volts, 3P+N+E industrial type, socket outlet, with 5 pin metal enclosed plug top along with 32 amps ' C ' series four pole 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.	15.00	Nos.		
20	Supplying & Laying of one no. PVC insulated & PVC sheathed copper conductor steel armoured cable of size 4 core 70 sqmm 1.1kV grade .				
a	On surface with MS clamp	30.00	Mtr.		
b	In open duct	20.00	Mtr.		
21	Supplying and making end termination with brass compression gland and copper lugs for following size of PVC insulated and PVC sheathed / XLPE copper conductor control cable of 1.1 KV grade as required.				
a	4 x 70 sqmm	2.00	Nos.		
22	S/F, copper cable lug suitable for following size of conductor.				
a	6 Sqmm	20.00	Nos.		
	Total Rs.				