

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR****Tender Notice No. 01/IWD/ED/19****SCHEDULE OF QUANTITY**

Name of work: Providing power points and internet points for new construction near air hanger.

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 FRLS PVC insulated copper conductor single core cable etc. as required.				
a	Group 'C'	15.00	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	20.00	Mtr		
b	3 X 2.5 Sq.mm	100.00	Mtr		
c	3 X 10 Sq.mm	20.00	Mtr		
3	Supplying, installation DLP mini- trunking 32mm x 20mm and accessories white-system with independent cover-without central partition etc. as reqd.	15.00	Mtr.		
4	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.		
5	Providing and fixing DLP plastic trunking of size 105 mm x 50 mm without cover on surface as reqd.	30.00	Mtr.		
6	Providing and fixing 85 mm width flexible cover of DLP plastic trunking. (size 105 mm x 50 mm.)	30.00	Mtr.		
7	Supply and fixing of following items for plastic trunking accessories suitable for size 105 mm x 50 mm.				

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
a	End cap	6.00	Nos.		
b	Internal angle.	8.00	Nos.		
c	External angle	8.00	Nos.		
d	Flat Junction	2.00	Nos.		
e	Changeable flat angle	4.00	Nos.		
f	Separation partitions	25.00	Mtr.		
g	cover joint	15.00	Nos.		
h	Base joint	24.00	Nos.		
8	S & F of following size of steel flexible pipe alongwith the accessories on surface etc as required.				
a	20 mm	10.00	Mtr.		
b	32 mm	10.00	Mtr.		
9	Extra for cutting and drilling hole & panting of down rod of G.I pipe,15 mm dia for ceiling fan etc as required.	3.00	Job		
10	Supplying & fixing 15 mm dia GI pipe for down rod for fixing of ceiling fans etc as reqd.	5.00	Mtr.		
11	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.				
a	200 A,36KA,FPMCCB	1.00	Nos.		
12	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.)				

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
a	4 way (4 + 12) Double door	1.00	Nos.		
b	8 way (4 + 24) Double door	1.00	Nos.		
13	Supplying and fixing following rating, 240 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)	21.00	Nos.		
b	Tripple Pole (5 Amp to 32 Amp)	3.00	Nos.		
c	Tripple Pole (40 Amp to 63 Amp)	2.00	Nos.		
d	Four Pole (40 Amp to 63 Amp)	1.00	Nos.		
14	Supplying and fixing metal box of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated shet cover in front including painting etc as reqd.				
a	100 mm X 100 mm X 60 mm deep	3.00	Nos.		
15	S&F connecting and commissioning indipendent mounting of MCCB enclosure suitable upto 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.		
16	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 (Polycarbonate) and connection etc.as reqd	1.00	Nos.		
17	S/F, connecting, testing and commissioning 18 watt LED surface mounted luminaires (300 mm X 300 mm) with diffuser etc.as reqd.	2.00	Nos.		
18	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.	12.00	Nos.		
19	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	45.00	Nos.		
b	15/16 amps switch	4.00	Nos.		
c	3 pin 5/6 amps socket outlet	45.00	Nos.		
d	6 pin 15/16 amps socket outlet	4.00	Nos.		
20	Supplying and fixing following Modular GI/plastic base & cover plate on existing modular metal boxes/DLP plastic trunking etc. as required.				
a	3 Module	19.00	Nos.		
b	6 Module	15.00	Nos.		
21	Supplying and fixing stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	3.00	Nos.		
22	Fixing of RJ-45 modular box with cover plate or I/o box for internet on surface/ recessed cutting the wall making good the same as required. (box and cover plate will be supplied by dept.)	16.00	Nos.		
23	Laying UTP/ RJ-11/ RJ-6/ Telephone wire/ cable in existing steel conduit pipe/ GI pipe/ HDPE pipe as reqd. (The cost shall also include numbering of networking wire from room to rack as reqd.)	450.00	Mtr.		
24	S & F fan hook I/c cutting the slab and fixing with the reinforcement and making damage, painting etc as the same.	3.00	Nos.		
25	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 sweep	3.00	Nos.		
26	S/F, copper cable lug suitable for following size of conductor.				
a	10 Sqmm	12.00	Nos.		
27	Supplying & Laying of one no. PVC insulated & PVC sheathed aluminium conductor steel armoured cable of size 2 x 6 sqmm 1.1kV grade as reqd.				

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
a	direct in ground I/c excavation, sand cushioning, protective covering and refilling the trench etc. as reqd.	30.00	Mtr.		
b	In pipe	5.00	Mtr.		
28	Supplying and making end termination with brass compression gland with aluminium lugs for following size of PVC insulated & PVC sheathed/XLPE aluminium cable of 1.1kV grade as reqd.				
a	2x6 sqmm	2.00	Nos.		
b	3-1/2x 50 sqmm	1.00	Nos.		
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.		
	Total Rs.				