

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR****Tender Notice No. 54/IWD/ED/202****SCHEDULE OF QUANTITY**

Name of work: Providing power point AC's alongwith LED light fittings in SIDBI.

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	90.00	Mtr		
b	3 x 4 Sq.mm	25.00	Mtr		
c	3 X 6 Sq.mm	30.00	Mtr		
d	3 X 10 Sq.mm	20.00	Mtr		
2	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	20.00	Mtr		
b	25 mm	10.00	Mtr		
c	32 mm	10.00	Mtr		
3	Supplying, installation DLP mini- trunking 32mm x 20mm and accessories white-system with independent cover-without central partion etc. as reqd.	25.00	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	1.00	Nos.		
d	Flat Junction	1.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
5	Earthing with GI earth electrode 50mm dia x 3 mtr length including earth enhancing compound (Jam Fill quality product) and PIT cover for earthing pit etc as reqd. (193GI JMV)	2.00	Set		
6	Providing & fixing 25mm x 5mm GI strip on surface or in recessd for connection etc. as reqd.	25.00	Mtr		
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, 35/36 kA	1.00	Nos.		
8	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	4 way (4 + 12) Double door	1.00	Nos.		
9	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	Tripple Pole (5 Amp to 32 Amp)	2.00	Nos.		
b	Four 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)	2.00	Nos.		
10	S&F connecting and commissioning independent 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.		
11	S & F metal enclosure suitable for DP/FP MCB/ on surface or recessed etc as reqd.	5.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
12	S/F, connecting, testing and commissioning 18 watt LED recess mounted luminaires with diffuser suitable for 300 mm X 300 mm modular ceiling/POP/Gypsem ceiling etc.as reqd.	6.00	Nos.		
13	S/F, connecting, testing and commissioning 34/35/36 watt LED recess mounted luminaires with diffuser suitable for 600 mm X 600 mm modular POP/Gypsem ceiling etc.as reqd.	23.00	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.				
a	5/6 amps switch	12.00	Nos.		
b	3 pin 5/6 amps socket outlet	12.00	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	12.00	Nos.		
16	Supplying and fixing following Module Plastic box for fixing modular switches/sockets in surface/recess etc as required.				
a	3 Module	12.00	Nos.		
17	Drawing of computer network cable/ PVC insulated flexible copper/ 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.	30.00	Mtr.		
18	Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CMM/W) minimum 6.85, Air delivery minimum 215 CMM, 350 RPM (tolerance as per IS : 374-2019), THD less than 10%, remote or electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required.	4.00	Nos		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
19	S/F, copper cable lug suitable for following size of conductor.				
a	10 Sqmm	50.00	Nos.		
20	Supplying & Laying of one no. PVC insulated & PVC sheathed aluminium conductor steel armoured cable of size 3-1/2x35 sqmm 1.1kV grade .				
a	On surface with MS clamp	22.00	Mtr.		
21	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	3-1/2x35 sqmm	4.00	Nos.		
	Total Rs.				