

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR****Tender Notice No. 114 /IWD/ED/593****SCHEDULE OF QUANTITY**

Name of work: Providing power supply in newly constructed UPS room in old core lab.

**Name of the Contractor**

<b>Name of the Contractor</b>					
<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	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 piano type switch, phenolic laminated sheet, suitable size MS box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.				
a	Group C	11.00	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	2 X 10 Sq.mm	60.00	Mtr		
b	3 X 16 Sq.mm	120.00	Mtr		
c	2 X 25 Sq.mm	50.00	Mtr		
3	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		
4	Supplying and laying 25 mm X 5 mm G.I. strip at 0.50 metre below ground as strip earth electorde, including soldering etc. as required.	10.00	Mtr		
5	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	250 Amp, 35/36 KA	2.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
6	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.		
7	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 ( 40 Amp to 63 Amp )	8.00	Nos.		
b	Four Pole ( 40 Amp to 63 Amp )	4.00	Nos.		
8	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.	2.00	Nos.		
9	S & F metal enclosure suitable for DP/FP MCB/ on surface or recessed etc as reqd.	4.00	Nos.		
10	S/F, connecting, testing and commissioning 4 feet long 40/36 watt LED fitting with diffuser surface mounting/ceiling suspended luminaires alongwith suspended kit SPAN make Crompton or equivalent approved make.	6.00	Nos.		
11	Supplying and fixing 3 pin, 5 amp. Ceiling rose on the existitng junction box/ wooden block including connection etc as required.	9.00	Nos.		

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12	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	3.00	Nos.		
13	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	1200 mm sweep	3.00	Nos		
14	Supply,Installation of exhaust fan 220 volt, 50 Hz of following sizes in the existing opening I/c connection, testing, commissioning etc as reqd.				
a	375 mm	1.00	Nos.		
b	450 mm	1.00	Nos.		
15	S/F, Exhaust fan shutter of following sizes on rag bolts as reqd.				
a	375 mm	1.00	Nos.		
b	450 mm	1.00	Nos.		
16	S/F, copper cable lug suitable for following size of conductor.				
a	10 Sqmm	12.00	Nos.		
b	16 Sqmm	24.00	Nos.		
c	25 Sqmm	24.00	Nos.		
17	Supplying & Laying of one no. PVC insulated & PVC sheathed aluminium conductor steel armoured cable of size 3-1/2x185 sqmm 1.1kV grade .				
a	Direct in ground I/c excavation, sand cushioning, protective covering and refilling the trench etc. as reqd.	50.00	Mtr.		
b	On surface with MS clamp	5.00	Mtr.		
c	In pipe	5.00	Mtr.		

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d	In open duct	10.00	Mtr.		
18	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	3-1/2x185 sqmm (57mm)	4.00	Nos.		
	<b>Total Rs.</b>				