

INDIAN INSTITUTE OF TECHNOLOGY KANPUR



Tender Notice No. 119/IWD/ED/503

SCHEDULE OF QUANTITY

Name of Work: Providing and fixing three phase/single phase power points for compressors and light fittings etc. in compressor room adjacent to WLE105. and other associated works and providing new light point and power points newly constructed Security Hut near Gate No-1 Academic area.

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 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	2.00	Point		
2	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	8.00	Point		
3	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.				
a	3 x 1.5 sq. mm	25.00	Metre		
b	3 x 2.5 sq. mm	25.00	Metre		
c	3 x 4 sq. mm	15.00	Metre		
d	6 x 6 sq. mm	37.00	Metre		
e	3 x 16 sq.mm.	74.00	Meter		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
4	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 required.				
a	25 mm	16.00	Metre		
b	32 mm	15.00	Metre		
5	Supplying and fixing following modular switch/socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
a	5/6 A switch	2.00	No.		
b	15/16 A switch	6.00	No.		
c	3 pin 5/6 A socket outlet	2.00	No.		
d	6 pin 15/16 A socket outlet	6.00	No.		
6	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.				
a	6 Module (200mmX75mm)	2.00	No.		
7	Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.				
a	3 Module	1.00	No.		
b	6 Module	2.00	No.		
8	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required.	8.00	No.		
9	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, 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)				

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a	6 way, Double door	2.00	No.		
10	Supplying and fixing of following ways surface/recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required . (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.)				
a	8 way (4 + 24), Double door	1.00	No.		
11	Supplying and fixing following rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
a	Single pole 5 A to 32 A	23.00	No.		
b	Double pole 5 A to 32 A	2.00	No.		
c	Triple pole 5 A to 32 A	3.00	No.		
d	Triple pole and neutral 5 A to 32 A	3.00	No.		
e	Four Pole (40A-63A)	1.00	Nos.		
12	S&F, Copper tube / reducer/ lug terminals suitable for following size of conductor.				
a	6 /10/16 Sq.mm.	39.00	Nos.		
13	Chemical 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.	2.00	No.		
14	Supplying and laying 25 mm X 5 mm G.I strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with G.I. nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of G.I. nut bolt & spring washer spaced at 50mm)	10.00	Metre		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
15	Supply and fixing of 105 x 50 mm DLP trunking white-system but without cover and partion etc. as required complete.	32.00	Meter		
16	Supply and fixing of following accessories suitable for 105 mm x 50 mm size plastic trunking white system.				
a	85 mm flexible cover	32.00	Meter		
b	End cap	3.00	Nos.		
c	flat angles	1.00	Nos.		
d	separation partitions	30.00	Meter		
e	Joints for 85mm width cover	15.00	Nos.		
f	base joints	30.00	Nos.		
17	Supplying and fixing following size/ modules, plastic box for modular switches in recess etc as required.				
a	3 Module	1.00	Nos.		
b	6 Module	2.00	Nos.		
18	S & F metal enclosure suitable for DP/TPN MCB / DP ELCB on surface or recessed etc as reqd.	3.00	Nos.		
19	Supply and fixing of following LED light fixture with Electronic driver, LED lamp, reflector, diffusser, MS body/housing holder etc. complete with all fixing accessories and lamp as required complete.				
a	1 X 20W LED tube with fitting	10.00	Nos.		
20	Supplying and fixing, following LED street light luminaries with pressure die cast aluminium IP65 housing, driver etc. complete with all accessories as required.				
a	40 watt LED Post top lantern light	4.00	Nos.		
21	Supply and installation of 400mm sweep AC 230/250 volts, 50 Hz wall mounting revolving fan with brackets etc complete.	2.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
22	Supplying and laying of one no. 2 x 6.0 sqmm PVC insulated, XLPE steel armoured aluminium conductor power cable of grade 1.1 kV as required complete in following manners.				
a	In ground I/c excavation, sand caushioning, protective covering and refixing the trench etc as reqd	110.00	Meter		
b	In Pipe	10.00	Meter		
c	In open duct	5.00	Meter		
d	On Surface	5.00	Meter		
	Total Rs.				