

INDIAN INSTITUTE OF TECHNOLOGY KANPUR



Tender Notice No. 05/IWD/ED/38

SCHEDULE OF QUANTITY

Name of Work: Providing and making light points, power points, net points & LED fittings etc at SE PSEUDO, NL I new Acoustic Lab (Dhwaniki II), WL 116, WLE 201D, NL II Lab 305 in FB 466, CW combustion Lab, WLE 311, SL-113 and different labs and offices in academic area on complaints basis.

Name of the Contractor					
S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
1	Rewiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable and 1.5 sq.mm FRLS PVC insulated copper conductor single core cable as earth wire in existing surface/ recessed steel/PVC conduit including dismantling as required.				
a	Group C	4.00	Point		
1	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	95.00	Metre		
b	3 x 2.5 sq. mm	73.00	Metre		
c	3 x 4 sq. mm	45.00	Metre		
d	3 x 10 sq.mm.	10.00	Meter		
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 required.				
a	25 mm	19.00	Metre		
3	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.				
a	5/6 amps switch	2.00	No.		
b	3 pin 5/6 A socket outlet	2.00	No.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
3	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	61.00	No.		
b	15/16 A switch	18.00	No.		
c	3 pin 5/6 A socket outlet	53.00	No.		
d	6 pin 15/16 A socket outlet	18.00	No.		
5	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.	1.00	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)	1.00	No.		
4	Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.				
a	for 2 Module	2.00	No.		
b	3 Module	15.00	No.		
c	6 Module	15.00	No.		
d	8 Module	2.00	No.		
8	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	Triple pole and neutral 5 A to 32 A	1.00	No.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
9	Supplying and fixing 20 A, 240 V, SPN Industrial type socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 A "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	2.00	No.		
10	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	10.00	Metre		
5.00	Supply fixing connecting & commissioning of following rating ISI marked 3 pin Plug top Anchor make as reqd complete.				
a	15 Amp	10.00	Nos.		
6	Supply and drawing PVC insulated 3 core round copper conductor cable of following size for connection of equipment / exhaust fan etc as reqd.				
a	2.50 sq. mm	25.00	Meter		
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.		
7	S & F following size of steel flexible pipe alongwith the accessories on surface etc as required				
a	25 mm	10.00	Meter		
8	Supply and fixing of 32 x 20 mm DLP mini- trunking white-system with independent cover etc. as required complete.	134.00	Meter		
15	Supply and fixing of 105 x 50 mm DLP trunking white-system but without cover and partion etc. as required complete.	6.00	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	6.00	Meter		
b	End cap	1.00	Nos.		
c	Internal angles- adjustable from 80°-100°	1.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
d	external angles- adjustable from 60°-120°	1.00	Nos.		
e	flat junction	1.00	Nos.		
f	flat angles	1.00	Nos.		
g	Joints for 85mm width cover	2.00	Nos.		
h	base joints	4.00	Nos.		
9	Laying UTP cable enhanced cat 5/cat 6 cable in existing steel conduit pipe/GI pipe/ raceway / RCC pipe as reqd. the cost shall also include numbering of networking wire from room to rack as reqd. (wire will be supplied by dept)	930.00	Meter		
10	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.)	35.00	Nos.		
17	Locating fault in wiring rectifying removing & restoring supply the same & making good the damages etc as reqd.	1.00	Nos.		
18	Dismantling, disconnecting old damaged unserviceable fl fitting/ exhaust fan/ ceiling fan/ bulkhead fitting with bracket etc. as reqd. and depositing in sectional store.	3.00	Nos.		
19	Dismantling the old conduit pipe/wood batten of all sizes from surface/recessed & making good the damages I/c filling the holes of the surface etc as reqd.and depositing it in sectional store.	30.00	Meter		
11	Supplying and fixing following size/ modules, plastic box for modular switches in recess etc as required.				
a	1 or 2 Module	2.00	Nos.		
b	3 Module	14.00	Nos.		
c	6 Module	13.00	Nos.		
d	12 Module	2.00	Nos.		
21	S & F metal enclosure suitable for DP/TPN MCB / DP ELCB on surface or recessed etc as reqd.	1.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
22	Supply and fixing of following LED light fixture with efficiency >100 lumen/ watt, P.F. >0.95, THD<10%, 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 Box type LED tube with fitting	2.00	Nos.		
b	18 watt recess 300 x 300 mm mounting LED light fixture	6.00	Nos.		
c	36 watt recess mounting LED light fixture 600 x 600 mm	1.00	Nos.		
23	Supply Installation, testing and commissioning of following ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable etc. as required.				
a	1200mm sweep.	1.00	Nos.		
12	Supply and installation of 400mm sweep AC 230/250 volts, 50 Hz wall mounting revolving fan with brackets etc complete.	8.00	Nos.		
13	Supplying and fixing connecting and commissioning of AC 230/250 volts, 50 HZ, 250 mm sweep fresh air fan including providing nuts, bolts, mounting frame and other accessories etc. complete	1.00	Nos.		
	Total Rs.				