

INDIAN INSTITUTE OF TECHNOLOGY KANPUR



Tender Notice No. 63/IWD/ED/241

SCHEDULE OF QUANTITY

Name of Work: Modification & renovation of electrical instalation in SL 303, FB 257 & 258.

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	4.00	Point		
2	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	18.00	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	50.00	Metre		
b	3 x 2.5 sq. mm	118.00	Metre		
c	3 x 4 sq. mm	150.00	Metre		
d	3 x 10 sq.mm.	25.00	Meter		
4	Supply and drawing PVC insulated 3 core round copper cable of following size for connection of equipments / exhaust fan & other work as reqd.				
a	1.50 sq. mm	40.00	Meter		
5	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	20 mm	5.00	Metre		
b	25 mm	10.00	Metre		
c	32 mm	10.00	Metre		

6	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.	4.00	No.		
7	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)	5.00	No.		
b	12 Module (200mmX150mm)	1.00	No.		
8	Supply and fixing of 32 x 20 mm DLP mini- trunking white-system with independent cover etc. as required complete.	60.00	Meter		
9	Supply and fixing of following accessories suitable for 32 mm x 20 mm size plastic trunking white system.				
a	End cap	4.00	Nos.		
b	internal / external angle	8.00	Nos.		
c	changeable flat angle	2.00	Nos.		
d	flat junction	2.00	Nos.		
10	Supply and fixing of 105 x 50 mm DLP trunking white-system but without cover and partion etc. as required complete.	30.00	Meter		
11	Supply and fixing of following accessories suitable for 105 mm x 50 mm size plastic trunking white system.				
a	85 mm flexible cover	30.00	Meter		
b	End cap	11.00	Nos.		
c	Internal angles- adjustable from 80°-100°	4.00	Nos.		
d	external angles- adjustable from 60°-120°	4.00	Nos.		
e	flat junction	4.00	Nos.		
f	flat angles	6.00	Nos.		
g	separation partitions	25.00	Meter		
h	Joints for 85mm width cover	12.00	Nos.		
i	base joints	24.00	Nos.		
12	Extra for cutting and drilling hole in down rod of 15mm dia GI pipe for ceiling fan etc. as required complete.	2.00	Nos.		
13	Supplying, fixing, painting of 15mm dia GI heavy class pipe down rod for ceiling fan etc as required complete.	2.00	Meter		

14	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)				
a	12 way, Double door	1.00	No.		
15	Supplying and fixing fowling 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 (5Amp to 32 Amp)	12.00	No.		
b	Double pole (40 Amp to 63 Amp)	1.00	No.		
16	Supply, installation testing and commissioning of following LED light fixtures complete with driver, referctor, diffuser and lamp as required complete.				
a	1 X 20W LED tube with fitting	3.00	Nos.		
b	18 watt recess 300 x 300 mm mounting LED light fixture	4.00	Nos.		
c	36 watt recess mounting LED light fixture 600 x 600 mm	14.00	Nos.		
17	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	47.00	Nos.		
b	15/16 amps switch	17.00	Nos.		
c	3/5 pin 5/6 amps socket outlet	37.00	Nos.		
d	3/5 pin 15/16 amps socket outlet	17.00	Nos.		
e	Blanking plate	2.00	Nos.		
18	Supplying and fixing following Modular GI/plastic base & cover plate on existing modular metal boxes/DLP plastic trunking etc. as required.				
a	3 Module	10.00	Nos.		
b	6 Module	18.00	Nos.		
19	Supplying and fixing following Module Plastic box for fixing modular switches/sockets in surface/recess etc as required.				
a	6 Module	8.00	Nos.		
20	Supply fixing connecting & commissioning of following rating 3 pin Plug top Anchor makeas reqd complete.				
a	15 Amp	2.00	Nos.		

21	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.	2.00	Nos.		
22	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.		
23	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)	600.00	Meter		
24	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.)	12.00	Nos.		
25	S & F fan hook I/c cutting the slab and fixing with the reinforcement and making damage, painting etc as the same	2.00	Nos.		
26	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.	50.00	Mtr.		
27	Dismantling conciled & damaged DB/TPN Switches/starter/ loose wire boxes along with all accessories and depositing the same in the store repairing the damages as reqd complete.	8.00	Nos.		
28	Dismantling of ceiling fan / rally fan / all type fitting without regulator I/c depositing in store etc as reqd.	12.00	Nos.		
29	S & F 3 mm thick phenolic laminated sheet on existing board with brass screw & cup washer etc as reqd.	200.00	Sq.cm.		
Total Rs.					