

INDIAN INSTITUTE OF TECHNOLOGY KANPUR

Tender Notice No. 118 /IWD/ED/643

SCHEDULE OF QUANTITY

Name of work: Retrofitting of existing room into various required club facilities (Table tennis, T.V. room, Gym, Library, Fine Arts, Dance & Drama) at Type-2 Community Centre (SH: Electrical works).

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	75.00	Nos		
2	Supplying & 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	250.00	Mtr		
b)	3 x 4.0 sq. mm	280.00	Mtr		
c)	3 x 6.0 sq. mm	50.00	Mtr		
d)	3 x 10.0 sq. mm	25.00	Mtr		
e)	3 x 16.0 sq. mm	19.00	Mtr		
3	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	10.00	Mtr.		
b)	32 mm	10.00	Mtr.		
4	Providing and fixing following sizes of PVC casing and capping on surface as reqd.				
a)	20 x 12 mm	150.00	Mtr.		
b)	25 x 16 mm	250.00	Mtr.		
c)	32x 16 mm	100.00	Mtr.		
d)	38 x 16 mm	60.00	Mtr.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
5	Providing and fixing casing and capping in place of defective and damaged wooden batten including dismantling and relaying of wire as required complet.				
a)	20 x 12 mm	50.00	Mtr.		
b)	25 x 16 mm	100.00	Mtr.		
c)	32x 16 mm	50.00	Mtr.		
6	S & F metal box of following sizes (nominal) on surface or recess with suitable size of phenolic laminated sheet cover in the front i/c painting etc as reqd.				
a)	180 mm x 100 mm x 60 mm deep	2.00	Nos.		
b)	200 mm x 150 mm x 60 mm deep	2.00	Nos.		
c)	250 mm x 300 mm x 60 mm deep	2.00	Nos.		
d)	250 mm x 300 mm x 100 mm deep	2.00	Nos.		
7	Supply and installation testing and commissioning of 37W LED suspended type mounted, IP20, 3900 Lumens colour temperature 6500 K, with high quality extruded aluminium housing cover highefficiency diffuser, THD less than10, power factor above 0.9. suspended stand alone pure line cat no. SP680X2 LED39S 6500 PSU WH L120 S1 Philips make or its equivalent	26.00	Nos.		
8	Supplying and fixing following piano type switch/socket on the existing switch box/cover including connections etc as reqd.				
a)	5/6 amps switch	95.00	Nos		
b)	2 way 5/6 amps switch	6.00	Nos		
c)	15/16 amps switch	25.00	Nos		
d)	3 pin 5/6 amps socket outlet	30.00	Nos		
e)	6 pin 15/16 amps socket outlet	25.00	Nos		
f)	Telephone socket outlet	2.00	Nos		
g)	Fan regulator socket type rotary step	12.00	Nos.		
h)	Bell push	1.00	Nos.		
9	Supplying and fixing 3 pin, 5 amp. Ceiling rose on the existing junction box/ wooden block including connection etc. as reqd.	45.00	Nos.		
10	Dismantling and refixing of switch / socket /regulator l/c cleaning, connecting, commissioning etc as reqd.	50.00	Nos.		
11	Supplying and fixing brass batten/ angle holder including connection etc. as required.	5.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
12	Supplying and fixing call bell/ buzzer suitable for D.C./A.C. single phase, 230 volts, complete as required.	1.00	Nos.		
13	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)	16 way, Double door	1.00	Nos.		
14	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)	4 way (4 + 12), Double door	1.00	Nos.		
15	S & F 5 amp to 32 amp rating 240 volts 'C' curve 10 kA MCB of following pole in the existing MCB DB complete with connection, testing & commissioning etc as reqd. (legrand)				
a)	Single pole	40.00	Nos		
b)	Triple pole	3.00	Nos		
16	S & F 40 amp to 63 amp rating 240 volts 'C' curve 10 kA MCB of following pole in the existing MCB DB complete with connection, testing & commissioning etc as reqd. (legrand)				
a)	Triple pole & Neutral	1.00	Nos.		
17	Earthing with G.I. earth pipe ,4.5 mtr long, 40mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement etc. with charcoal/ coke and salt as required.	2.00	Nos		
18	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	20.00	Mtr.		
19	Supply & fixing connecting , commissioning & testing of ceiling fan size 1400mm without regulator and ball bearing type including wiring the down rod of stadard length (upto 30 cm) with 1.5 sqmm PVC insulated copper wire single core cable complete as reqd.				
a)	1200mm sweep.(orient make) or its equivalent	12.00	Nos		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
20	Supply and fixing Fan hook I/C cutting the slab and fixing with the reinforcement and making damage, painging etc. as the same.	2.00	Nos		
21	Supply & laying of HDPE pipe ISI mark of size 40mm inner dia, 8Kg / cm ² and minimum 2mm thick I/c cartage loading & unloading etc. as reqd.				
a)	In Ground I/c excavation, sand cushioning protective covering & refilling the trench with dressing of earth etc. as reqd.of earth as reqd.	20.00	Mtr		
b)	Fixing on surface with MS clamp	15.00	Mtr.		
c)	In existing pipe	5.00	Mtr.		
d)	In existing open duct.	5.00	Mtr.		
22	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)	150.00	Nos		
23	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.)	2.00	Nos		
24	S & F 3 mm thick phenolic laminated sheet on existing board with brass screw & cup washer etc as reqd.	2000.00	Sq.cm.		
25	Dismantaling and refixing of shisham wood board of any sizess on surface or in recessed etc as reqd.	10.00	Nos.		
	Total Rs.				