

INDIAN INSTITUTE OF TECHNOLOGY KANPUR



Tender Notice No. 138/IWD/ED/569

SCHEDULE OF QUANTITY

Name of Work: Shifting of RFID system at main gate IIT Kanpur as requested by the security officer.

Name of the Contractor					
S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
1	Supplying and fixing 5 amps to 32 amps rating, 240 volts, 'C' series, MCB suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as reqd.				
a	Single pole	6.00	Nos.		
2	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required	2.00	Nos.		
3	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required	25.00	Mtr.		
4	Laying of one no. PVC insulated and PVC sheathed /XLPE power cable of 1.1kV grade direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc. as reqd.				
a	Upto 35 sqmm	30.00	Mtr.		
5	Laying of one no. PVC insulated and PVC sheathed /XLPE power cable of 1.1kV grade in the existing masonry open duct as reqd.				
a	Upto 35 sqmm	50.00	Mtr.		
6	Supplying and making indoor end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed/XLPE aluminium conductor cable of 1.1kV grade as reqd.				
a	2x10 sqmm(19mm)	4.00	Set		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
7	Supplying and making straight through joint with heat shrinkable kit including ferrules and other jointing materials for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.				
a	2 X 6,2x10,2x16 sq. mm	3.00	Each		
8	Providing brick work (in width 225 mm or more) with F.P.S. bricks of class designation 7.5 in cement mortar 1:4 (1 cement : 4 coarse sand) at all levels.	1.00	Cum		
9	Providing 15mm thick cement plaster of mix 1:4 (1 cement : 4 fine sand) at all levels.	1.00	Sqm		
10	Providing, laying and fixing following dia G.I. pipe (medium class) in ground complete with G.I. fittings including trenching (75 cm deep) and re-filling etc as required				
a	50mm dia	10.00	Mtr.		
11	Supplying and fixing 25 mm dia MS flexible pipe with PVC coating along with all ancillaries and accessories like coupler etc. as required.	30.00	Mtr.		
12	Drawing of optical cable enhanced cat 5/cat 6/telephone/ networking /power cable in existing steel conduit pipe/GI /HDPE pipe including numbering of networking wire from room to rack as reqd.	800.00	Mtr.		
13	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.)	6.00	Nos.		
14	Supplying & Laying of one no. XLPE cable aluminium conductor steel armoured cable of size 2x10sqmm, grade 1.1kV in following manners.				
a	In Ground I/c excavation, sand cushioning protective covering, refilling of earth as reqd.	30.00	Mtr.		
b	In existing Pipe	3.00	Mtr.		
c	In existing open duct	2.00	Mtr.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
15	Disconnecting and Dismantalling/refixing damaged Changeover Switch/ MCCB /DB/KWH meter/pole fuse box of any size from site and depositing in store I/c cartage etc. as reqd.	10.00	Nos.		
16	Supply, fixing, following modular ISS arteor type switch / socket on existing modular plate & switch box including connectins but excluding modular plate etc. as reqd.				
a)	5/6 Amp switch	8.00	Nos.		
b	3 Pin 5/6 Amp. socket outlet	8.00	Nos.		
17	Supplying and fixing following size/modules, IP 55 Plexo box with PVC membrane alongwith modular base & cover plate for modular switches in recess etc as reqd.				
a	3 module	4.00	Nos.		
18	S&F, connecting and commissioning looping type cable end control box with MS sheet of 16 SWG of size 200 mm x 200 mm x 150 mm having 1 no. 6amp to 32 amp SPMCB 250 volt and 2 nos. brass neutral link square rod 6 way and fixed on 5 mm thick bakelite sheet. Box shall have almirah type hing and panel key type lock front door duly painted with earthing strud etc. complete as required.	6.00	Nos.		
19	Supplying and drawing of following sizes of FRLSH PVC insulated copper conductor, 3 core round cable of following size in the existing surface/ recessed steel/ PVC conduit as required.				
a	1.5 Sq.mm	130.00	Mtrs.		
b	2.5 Sq.mm	50.00	Mtrs.		
20	Lifting removing cable of following size from trench /clamps, making role & depositing the same in store I/c cartage.as per requirement.				
a	upto 35sqmm	50.00	Mtr		
21	Dismentling and refixing brass compression type gland up to 35 sq. mm. cable	10.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
22	Digging trench for taking out cable and refilling , watering ,ramming the sameafter taking out cable as reqd complete.	50.00	Mtr		
23	Supply and laying of HDPE pipe ISI mark of 32 mm (6Kg / cm ²) size inner dia, 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.	40.00	Mtr		
b	In existing pipe	6.00	Mtr.		
c	In existing open duct.	4.00	Mtr.		
	Total Rs.				