

INDIAN INSTITUTE OF TECHNOLOGY KANPUR



Tender Notice No. 137/IWD/ED/568

SCHEDULE OF QUANTITY

Name of Work: Replacement of damaged DG power cable of Nano science building, feeding from DG House No.1.

Name of the Contractor					
S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
1	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	5.00	Mtr		
2	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.				
a	Above 95 sq. mm and upto 185 sq. mm	265.00	Mtr		
3	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METAL pipe as required.				
a	Above 95 sq. mm and upto 185 sq. mm	30.00	Mtr		
4	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing masonry open duct as required.				
a	Above 95 sq. mm and upto 185 sq. mm	15.00	Mtr		
5	Supplying and fixing cable route marker with 10 cm X 10 cm X 5 mm thick G.I. plate with inscription there on, bolted /welded to 35 mm X 35 mm X 6 mm angle iron, 60 cm long and fixing the same in ground as required.	5.00	Each		
6	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.				
a	3½ X 70 sq. mm (38mm)	2.00	Nos		
b	3½ X 185 sq. mm (57mm)	2.00	Nos		

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	3½ X 185 sq. mm	1.00	Nos		
8	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	80 mm dia	30.00	Mtr		
9	S/F, of 32mm of steel flexible pipe on surface/ open duct as required.	2.00	Mtr		
10	Supplying of one No. PVC insulated & PVC sheathed / XLPE power cables size 3½ X 185 sq. mm (heavy duty) aluminium conductor, steel armoured cable of 1.1kV grade as per IS:7098 (Part-I) as reqd complete in following manners.	310.00	Mtr		
11	supply, installation, testing and commissioning of wall mounting Auto changeover panel 125A, 4P. with Aluminium bus bar of 125Amp capacity in all bus bars, along with digital ampere meter. digital voltmeter 0-600V-2 nos, selector switch, indicating lamp R, Y B-2 sets, 3 Phase 4 wire , having 1 no. 125Amp contactor for main supply and 1 no. 125Amp contactor for DG supply 1 no. complete as per specification	1.00	Nos		
12	Supplying and drawing of following sizes of FR-LSH PVC insulated copper conductor,single core cable in the existing surface/ recessed steel/ PVC conduit as required.				
a	4x16sqmm	5.00	Mtr.		
13	Dismantling and refixing brass compression type gland up to 400 sq. mm. cable	2.00	Nos		
14	Disconnecting and Dismantling/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.	3.00	Nos		
	Total Rs.				