

INDIAN INSTITUTE OF TECHNOLOGY KANPUR



Tender Notice No. 18/Elect/2020

SCHEDULE OF QUANTITY

Name of Work: Shifting of PAC load of basement CC from PLC panel (3x500 KVA DG) to 1x750 KVA (new DG) by installation of Auto Change over panel at substation No. 4.

Name of the Contractor					
S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
1	Providing and laying G.I. tape 32 mm X 6 mm from earth electrode directly in ground as required.	10.00	Mtr.		
2	Providing and fixing earth bus of 50 mm X 5 mm copper strip on surface for connections etc. as required.	10.00	Mtr.		
3	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	3 1/2x400 sqmm(82mm)	5.00	Set		
4	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	3.5 x 400 sqmm(82mm)	1.00	Nos		
5	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	100 mm dia	20.00	Mtr.		
6	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 185 sq. mm and upto 400 sq. mm	30.00	Mtr.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
7	Supplying and laying of one No. PVC insulated & PVC sheathed , XLPE power cables (heavy duty) aluminium conductor, steel armoured cable of size 3.5 x400sqmm, 1.1kV grade as per IS:7098 (Part-1) as reqd complete in following manners.				
a	Laying direct in ground	75.00	Mtr.		
b	Laying direct in pipe	20.00	Mtr.		
c	Laying direct in open duct	80.00	Mtr.		
d	Additional in ground	75.00	Mtr.		
8	Dismantling damaged of Main switch /DB/TPN Switches/ loose wire boxes along with all accessories and depositing the same in the store as reqd.	2.00	Nos.		
9	Supply, installation, testing and commissioning of 2mm thick CRCA sheet cubical type floor mounted switchgear LT panel with aluminium bus bar of 800Amp capacity in all bus bars, along with digital ampere meter. digital voltmeter 0-600V-3 nos, selector switch, indicating lamp R, Y B-4 sets, 3 Phase 4 wire ,Digital KWH meter having 1 no. 800Amp contactor for main supply and 1 no. 800Amp contactor for DG supply and 1no. 800Amp 4 pole MCCB with thermal protection on outgoing complete as per specification "E"	1.00	Nos		
10	Dismantling and refixing brass compression type gland up to 400 sq. mm. cable	2.00	Nos		
11	S & F following size angle iron in required shape and size 50x50x6mm i/c cutting, welding, painting etc. as reqd.	50.00	Kg		
	TOTAL Rs.				