

INDIAN INSTITUTE OF TECHNOLOGY KANPUR



Tender Notice No. 117/Elect/2020

SCHEDULE OF QUANTITY

Name of Work: Providing and laying one additional HT / 11 KV cable parallel to the existing cable feeding from 33/11 KV Substation to substation No. 1 at IIT Kanpur.

Name of the Contractor					
S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
1	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size 95 sq. mm and upto 185 sq. mm including excavation, sand cushioning, protective covering and refilling the trench etc as required.				
a	Direct in ground	100.00	Mtr		
b	In pipe	1200.00	Mtr		
c	In Open duct	100.00	Mtr		
2	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.	20.00	Each		
3	Providing and laying in position cement concrete 1:3:6 (1 cement : 2 coarse sand : 6 graded stone aggregate 40 mm nominal size) in foundation of pump, DG set etc including form work etc as required.	1.00	Cum		
4	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.	2.00	Cum		
5	Providing 15mm thick cement plaster of mix 1:4 (1 cement : 4 fine sand) at all levels.	10.00	Sqm		
6	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	50.00	Mtr		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
7	Supplying and making straight through cable jointing with heat shrinkable jointing kit complete with all accessories including ferrules suitable for following size of 3 core, XLPE aluminium conductor cable of 11 KV grade as required				
a	120sqmm to 185 sq. mm	2.00	each		
8	Supplying and making indoor cable end termination with heat shrinkable jointing kit complete with all accessories including lugs suitable for following size of 3 core, XLPE aluminium conductor cable of 11 KV grade as required :				
a	120 sqmm to 185 sq. mm	2.00	each		
9	Supply of one no. XLPE cable aluminium conductor steel armoured cable of size 3 x 185 sqmm, grade 6.6 KV(UE) or 11kV(E) grade as required	1350.00	Mtr.		
10	Supply of HDPE pipe ISI mark of following size 90 mm (6Kg / cm ²) outer dia, I/c cartage loading & unloading etc. as reqd.	1200.00	Mtr.		
11	Laying of 90 mm OD HDPE pipe direct in ground 2-2.5mtr below by using HDD machine as per complete requirement.	1200.00	Mtr		
	Total Rs.				