

INDIAN INSTITUTE OF TECHNOLOGY KANPUR

Tender Notice No. 32 /IWD/ED/151

SCHEDULE OF QUANTITY

Name of work: Shifting and rerouting of existing power cables from construction site of Pre-Engineered Building near Hanger at Airstrip.

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 direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.				
a	Above 185 sq. mm and upto 400 sq. mm	60.00	Mtr.		
2	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	3-1/2x35 sqmm	2.00	Nos.		
b	3-1/2 X 400 sqmm	2.00	Nos.		
3	Excavation for cable trenches in soft soil, depth upto 1.2 m including dressing of sides lift upto 1.5 m, including getting out the excavated soil, refilling with sand and or good soil after laying of cable/ pipe etc in layers of 20 cm, ramming, watering and disposal of surplus excavated soil as directed, within a lead of 50 metres.	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.	1.00	Cum.		
5	Providing 15mm thick cement plaster of mix 1:4 (1 cement : 4 fine sand) at all levels.	5.00	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	6.00	Mtr.		
b	100 mm	6.00	Mtr.		
7	Digging cable trench, lifting bricks & cable for locating fault. Refilling the trench, ramming & making good the same as reqd.	330.00	Mtr.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
8	Supply & laying of one no. PVC insulated and PVC sheathed aluminium conductor steel armoured cable of size 3-1/2 x 35 Sqmm grade 1.1 kV as reqd.				
a	In ground i/c excavation sand cushioning protective covering, refilling of earth as reqd.	50.00	Mtr.		
9	Supply & laying of one no. PVC insulated and PVC sheathed aluminium conductor steel armoured cable of size 3-1/2 x 400 Sqmm grade 1.1 kV as reqd.				
a	In ground i/c excavation sand cushioning protective covering, refilling of earth as reqd.	25.00	Mtr.		
10	Supply & Laying of 40 mm (8Kg / cm ²) HDPE pipe ISI mark of 2mm thick I/c cartage loading & unloading etc. as reqd.				
a	In ground i/c excavation sand cushioning protective covering, refilling of earth as reqd.	100.00	Mtr.		
11	Supply & Laying of 63 mm (8Kg / cm ²) HDPE pipe ISI mark of 2mm thick I/c cartage loading & unloading etc. as reqd.				
a	In ground i/c excavation sand cushioning protective covering, refilling of earth as reqd.	60.00	Mtr.		
12	Drawing of computer network cable/ PVC insulated flexible copper/ Aluminium single core cable of size 1.5sqmm to 25 sqmm/ telephone cable upto 10 pair in existing pipe / casing and capping as reqd including numbering the wires at both the ends.	400.00	Mtr.		
	Total Rs.				