

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR****Tender Notice No. 92 /Elect./2019****SCHEDULE OF QUANTITY****Name of Work: Providing external power supply cable and network up links to under construction PEB blocks at old SAC.**

Name of the Contractor					
S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
1	Supplying & Laying of one no. XLPE cable aluminium conductor steel armoured cable of size 3-1/2 x 400sqmm, grade 1.1kV in following manners.				
a)	In Ground I/c excavation, sand cushioning protective covering, refilling of earth as reqd.	290.00	Mtr.		
b)	additional direct in ground in the same trench in one tier horizontal formation including excavation, sand cushioning, protective covering and refilling the trench etc as required.	290.00	Mtr.		
c)	In existing Pipe	20.00	Mtr.		
d)	In existing open duct	60.00	Mtr.		
e)	Fixing on surface with MS clamp	10.00	Mtr.		
2	Supply & laying of HDPE pipe ISI mark of size 50mm dia, 8Kg / cm ² and minimum 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.	200.00	Mtr		
b)	In existing pipe	10.00	Mtr.		
c)	In existing open duct.	15.00	Mtr.		
3	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)	80mm dia	15.00	Mtr.		
b)	100mm dia	15.00	Mtr.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
4	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)	8.00	Set		
5	Fixing of Network rack/telephone DP suitable upto 400 pair on wall / floor with suitable brick foundation on bolts and nut etc. as required.	14.00	Nos.		
6	Supplying & drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface / recessed steel / PVC conduit as reqd.				
a)	3 x 1.5 Sq.mm..	15.00	Mtr.		
7	S & F of following size of steel conduit along with the accessories in surface/recess l/c painting in case of surface conduit or cutting the wall and making good the same in case of recessed conduit. as reqd.				
a)	40 mm	25.00	Mtr.		
8	S & F following size/modules, GI box along with modular base and cover plate for modular switches in recess etc.as required.				
a)	6 module	1.00	Nos.		
9	Supply, fixing, following modular type switch / socket on existing modular plate & switch box including connectins but excluding modular plate etc. as reqd.				
a)	5/6 Amp switch	2.00	Nos.		
b)	3 Pin 5/6 Amp. socket outlet	2.00	Nos.		
10	Supplying, installation DLP plastic trunking 105mm x 50mm and accessories plastic trunking without cover, for trunking, covers and partitions etc. as reqd.				
a)	Plastic trunking without cover	70.00	Mtr.		
b)	Flexible Cover 85mm width	70.00	Mtr.		
c)	Joints for 85mm width cover	30.00	Nos.		
d)	Base Joints	50.00	Nos.		
e)	End caps	5.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
f)	Internal angle adustable from 80°-100°	10.00	Nos.		
g)	External angle adustable from 60°-120°	15.00	Nos.		
h)	Flat angle	10.00	Nos.		
i)	Flat junction	2.00	Nos.		
11	Supplying, installation DLP mini- trunking 32mm x 20mm and accessories white-system with independent cover-without central partion etc. as reqd.				
a)	Mini- trunking	20.00	Mtr.		
b)	End cap left or right	2.00	Nos.		
12	Laying UTP/ RJ-11/ RJ-6/ Telephone wire/ cable in existing steel conduit pipe/ GI pipe/ HDPE pipe as reqd. (The cost shall also include numbering of networking wire from room to rack as reqd.)	2500.00	Mtr.		
	Total Rs.				