

INDIAN INSTITUTE OF TECHNOLOGY KANPUR



Tender Notice No. 09 /IWD/ED/44

SCHEDULE OF QUANTITY

Name of Work: Repairing / replacement of old and damaged electrical feeder pillar & its associated parts in Type-IV (4001 to 4008) area in the campus.

Name of the Contractor					
S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
1	Numbering of ceiling fan/ exhaust fan/ fluorescent fittings as required.	1.00	Each		
2	Earthing with G.I earth pipe 4.5 mtr long. 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal and salt as required.	2.00	Set		
3	P & F 6 SWG dia GI wire on surface or in recess for loop earthing as reqd.	105.00	Mtr.		
4	Supplying and making indoor end termination with brass compression gland, aluminum lugs for following size of PVC insulated & PVC sheathed/XLPE aluminum cable of 1.1kV grade as reqd.				
a)	2x16 sq.mm.	8.00	Nos.		
b)	3½ X 95 sq. mm (45mm)	2.00	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)	50 mm dia	6.00	Mtr.		
6	S & F bakelite sheet 6 mm thick complete with required nuts & bolts as reqd.	314.00	Sq.cm		
7	Supplying & Laying of one no. XLPE sheathed aluminum conductor steel armoured power cable of size 2 x 16 sq.mm. 1.1kV grade in following manners.				
a)	direct in ground I/c excavation, sand cushioning, protective covering and refilling the trench etc. as reqd.	55.00	Mtr.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
b)	In pipe	6.00	Mtr.		
c)	In open duct	10.00	Mtr.		
d)	On surface with MS clamp	30.00	Mtr.		
8	Supplying and drawing of following sizes of FR PVC insulated copper conductor, 3 core round cable of following size in the existing surface/ recessed steel/ PVC conduit as required.				
a)	1.5 Sq.mm	8.00	Mtrs.		
9	Supply and laying of HDPE pipe ISI mark of 40 mm (8Kg / cm ²) size inner dia, 2mm thick I/c cartage loading & unloading etc. as reqd.				
a)	On surface with MS clamp	30.00	Mtr.		
10	Design,manufacturing, supplying, fixing connecting,testing& commissioning of following front oprated with lockable door 2mm thick steel enclosure dust vermin proof ,including foundation mounting,out door type street light feeder pillars with IP-65 protection ,earth terminal and painting suitable for use at 415 volt three phase-4 wire.				
	Incoming:250 Amp. TPN MCCB 415 Volt -1 No.				
	Outgoing:100 Amp TPN MCCB ,415 Volt 1 No.63 Amp SP MCB -8 Nos ,32 amp SP MCB 2 Nos,multifunctional digital timer equivalent to Astrox D21 of legrand make ,power contactor-75 amps ,4pole and terminal block as reqd.				
	The feeders shall be completed with all interconnections ,bus bar,phase indication lamp etc complete as per design approval.	1.00	set.		
11	S & F brass neutral link 5/8" square rod 11 way as required I/c hole and drilling & tapping with suitable size.	2.00	Nos.		
	Total Rs.				