

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR****Tender Notice No. 131/IWD/ED/754****SCHEDULE OF QUANTITY**

Name of work: Providing three phase power supply in 2 Nos. EV power charging station one at petrol pump and other gate no. 2 for vehicle charging & supplying & fixing of Automatic transfer switch in Faculty Apartment C & D Block.

Name of the Contractor					
S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
1	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required	2.00	Nos.		
2	P & F 6 SWG dia GI wire on surface or in recess for loop earthing as reqd.	20.00	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	3-1/2x120 sqmm(45mm)	4.00	Set		
4	Providing, laying and fixing following dia G.I. pipe (medium class)				
a	80mm dia	36.00	Mtr.		
5	S & F metal enclosure suitable for FP/DP MCB/DP ELCB on surface or recessed etc as reqd.	2.00	Nos.		
6	Supplying & Laying of one no. XLPE cable aluminium conductor steel armoured cable of size 3-1/2 x 120sqmm, grade 1.1kV in following manners.				
a	In Ground l/c excavation, sand cushioning protective covering, refilling of earth as reqd.	245.00	Mtr.		
b	In existing Pipe	36.00	Mtr.		
c	In existing open duct	8.00	Mtr.		
d	Fixing on surface with MS clamp	1.00	Mtr.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
7	S&F connecting and commissioning MCCB unit of following ratings 4 pole 415V, 36KA with Spreader link strips I/c providing connecting copper/Al. Strip between bus bar and MCCB tapping etc. as reqd				
a	160 Amp	2.00	Nos.		
8	S & F, connecting and commissioning 4 pole Front handle operated in sheet steel enclosure On Load changeoverswitch of following capacity etc. as reqd.				
a	125 Amp	2.00	Nos.		
9	Supplying and fixing connecting and commissioning following rating, 63 amp automatic transfer switches, I-O-II operation with bridging bars and direct mounted handle as required complete.				
a	63 Amp	2.00	Nos.		
	<b>Total Rs.</b>				