



## SCHEDULE OF QUANTITY

Name of work: Replacement of old battery charger and 55 no's 2V, 100 AH batteries installed at 33 KV substation (under buy back of old equipments)

Name of the Contractor					
S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
1	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	2.00	Set		
2	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.	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	2 X 16 sq. mm (22mm)	2.00	Set		
b	3½ X 35 sq. mm (32mm)	2.00	Set		
4	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	10.00	Mtr.		
5	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		
6	Providing 15 mm thick cement plaster of mix 1:4 (1 cement : 4 fine sand) at all levels.	2.00	Sq.m		
7	Supply & fixing, testing & commissioning of Battery charger 110V/20A single float cum boost charger suitable for 110V/88AH battery bank complete make: M/s Chabbi Electricals as per specification E-01.				
	<b>1.Battery Charger:</b>				

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
	Style; Float cum boost charger, make; M/s Chabbi Electricals				
	A.C volts 415V +/- 10%				
	Phase; 3Phase				
	Cycles; 50Hz +/-5%				
	Ambient temp;50deg.c				
	Spec.. CP CC110V/20A				
	Volts DC; CP 119 +/- 1% CC 146				
	Amps DC; CP 20, CC 20 +/- 2%	1.00	Nos		
8	S/F, angle iron 40mm x 40mm x 6mm i/c cutting, welding, painting etc. as reqd.	20.00	Mtr.		
9	Supply & Installation of new batteries 2V, 100Ah electrolyte & nbsp Model No. TV100P-MARKI batteries under exchange old batteries after dismantalling, disconnecting of old batteries complete as per Techemical Specification <b>E-02</b> and as instructed by the Engineer Incharge.				
	Type of Cell: TV100P-MARKI				
	Capacity at 10 HRS rate(AH): 100AH				
	Charging Current(A): Staring rate 12A, Finishing rate 6A				
	Weight of cell +/- 5% (KG): without Acid 4.5kg, with Acid 10kg				
	Approx qty of acid 1.190 Sp. Gr(Ltr): 3.1Ltr				
	Overall Cell Dimensions +/- 3mm: L 111mm, W 159mm, H 364mm				
	Trickle Charge current (mA): Min 100mA, Max 400mA				
	Corresponding cell centres(mm): 122mm				
	2V, 100Ah ,electrolyte & nbsp: make Exide	55.00	Nos		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
10	Dismantalling, Disconnecting,of existing Battery Charger and float cum boost charger, 110V, 88AH depositing same in departmental store as instruction by Engineer In-Charge complete as required.	1.00	Nos		
11	Supplying and drawing of following sizes of FR PVC insulated copper conductor, single core round cable of following size in the existing surface/ recessed steel/ PVC conduit as required.				
a	35 sqmm	40.00	Mtr.		
12	Dismantalling, Disconnecting of copper cable on surface upto 35 Sqmm.	40.00	Mtr.		
	Total Rs.				
13	Less buy back amount of old battery charger 110V, 88Ah make; M/s Chabbi Electricals	1.00	Nos		
	<b>Total Rs.</b>				