

**Name of Project - Extension of 66kV Switchyard for 1X72 MW GTG based revamp project of CPP at Kribhco , Hazira**  
**BILL OF QUANTITIES FOR UNDER GROUND EARTHING AND ELECTRODES , REV.00**

S. No	Description	Unit	Quantities( Nos.)	Unit Rate(Rs.)	Amount
1	Unloading, storing and laying of 40 mm dia MS Rods at a depth of 1000 to 1300 mm measured from the top of FGL (either top of gravel or top of land as the case may be) for bringing out risers just above gravel level near the equipment foundations as per requirement including following works: - excavation - laying of MS rod - welding of rods -Refer Drg No. TB-4-352-316-008( sheet no. 15,16,17) Rev 00 for Welding details of rods - backfilling of soil for bringing out pig tail risers of 40 dia MS rod (approximately 300) for equipments. Risers shall be raised from the earthmat (at 1000 to 1300mm depth) to 300 mm above ground level to the nearest point of the equipment. This shall include all cutting, bending, welding, fixing, application of zinc rich paint on cutting surface, etc to the main earthmat. - any other work necessary to complete the laying of earthmat -40 Diameter MS rod will be supplied by BHEL	kM	1.7		-
2	Fabrication & laying of Auxiliary Mat of 40 mm Dia MS Rods at a depth of 300 mm from top of FGL including excavation & backfilling as per Drg No. TB-4-352-316-008( sheet no. 11) Rev-00 of Auxiliary mat & connection with existing main earthmat - any other work necessary to complete the laying of earthmat -40 Diameter MS rod will be supplied by BHEL	Nos.	8		-
3	Installing of 40 mm diameter Rod Electrode ( to be driven 3 m long) with test link and without pit as per Drg. No. TB-4.-352-316-008( sheet no.5 and 8) Rev-00 of Rod Electrode including following works : - excavation - installing the rod electrode - backfilling and compaction - installing the test link - any other work necessary to complete the work -40 Diameter MS rod will be supplied by BHEL	Nos.	22		-
4	Installing of 40 mm diameter Rod Electrode( to be driven 3 m long) without test link and without pit as per Drg. No. TB-4.-352-316-008( sheet no. 3 ) Rev-00 of Rod Electrode including following works : - excavation/hammering of rod in earth - installing the rode electrode - backfilling and compaction - any other work necessary to complete the work -40 Diameter MS rod will be supplied by BHEL	Nos.	15		-
	Total Amount(Rs.)				-