

BOQ FOR EARTHING WORKS

PROJECT ONGC Hazira - 66kV GIS

S. No	Description	Unit	Quantities	Unit Rate	Amount (Rs.)
1	Unloading, storing and laying of single/double runs 75x10mm GI/MS Flat at a depth of 600 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 below ground level near the equipment foundations as per requirement including following works: - excavation of trenches - laying of GI Flat - welding of flats (refer Drg No.TB-STD-316-ROD WELDING) - backfilling of soil for bringing out pig tail risers of 75x10 mm GI flat for equipments. - any other work necessary to complete the laying of earthmat (75X10 mm GI/MS flat will be supplied by BHEL)	MT	20		
2	Unloading, storing and laying of 40 mm dia MS Rods at a depth of 600 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 below ground level near the equipment foundations as per requirement including following works: - excavation of trenches - laying of MS rod - welding of rods (refer Drg No.TB-STD-316-ROD WELDING for Welding details of rods) - backfilling of soil for bringing out pig tail risers of 40 dia MS rod for equipments. - any other work necessary to complete the laying of earthmat (40 mm Diameter MS rod will be supplied by BHEL)	MT	2		
3	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-xxx-316-AUXILLARY MAT' & connection with existing main earthmat - any other work necessary to complete the laying of earthmat (40 mm Diameter MS rod will be supplied by BHEL)	Nos.	2		
4	Installing of 40 mm diameter Rod Electrode with test pit/link as per Drg. No. TB-xxx-316-ROD ELECTRODE including following works : - excavation - installing the rod electrode - backfilling and compaction - Casting the Test Pit with Cast Iron covers - any other work necessary to complete the work (only 40 mm Diameter MS rod & test link shal be supplied by be supplied by BHEL, other items like CI frame, cover etc. are in bidder's scope)	Nos.	2		
5	Installing of 40 mm diameter Rod Electrode without test pit/link including following works: - excavation/hammering of rod in earth - installing the rod electrode - backfilling and compaction - any other work necessary to complete the work (40 mm Diameter MS rod will be supplied by BHEL)	Nos.	6		
	Total Amount (Rs.)				