

BOQ for Balance Earthing Works- 400 KV switchyard, Yeramrus site

SI No	Description	Unit	QTY	Rate	Amount	Remarks
Earthmat works						
1	Unloading ,storing and laying of 40mm dia MS Rods at a depth of 600mm measured from the top of FGL for bringing out risers just below gravel 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-4-332-509-004-sheet 21 & 22 for welding details of rods) -backfilling of soil for bringing out pig tail risers of 40 dia MS rod for equipments. Risers shall be raised from the earthmat 9at 600 mm depth) to 150mm above FGL 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 earthmesh. -any other work necessary to complete the laying of earthmat (40mm dia MS Rod will be supplied by BHEL).	MT	20			Works partly completed by contractor, remaining quantity shown
2	Installing of 40mm dia pipe electrod (to be driven 3mt) as per drg no : TB-4-332-509-004-sh 15 including following works -excavation -instaling the pipe electrode with alternate layers of coke & charcoal, salt - backfilling and compaction -casting the test pit with cast iron covers -any other work necessary to complete the work (only GI pipe ,its cap, GI flat, nuts, bolts and washers and test link will be supplied by BHEL.other items like CI frames ,CI cover,Charcoal ,salt will be supplied by the contractor).	Nos	84			Works partly completed by contractor, remaining quantity shown
3	Installing of 40mm dia rod electrod with test pit as per drg no : TB-4-332-509-004-sh 17 including following works -excavation -instaling the rod electrode/hammering of rod in earth - backfilling and compaction -casting the test pit with cast iron covers - any other work necessary to complete the work 40mm dia MS rod and GI Flat will be supplied by BHEL.other items like CI frames ,CI cover,GI pipes ,bolts nuts and washers will be supplied by the contractor).	Nos	32			Works partly completed by contractor, remaining quantity shown
	GRAND TOTAL					