

Name of work:- " Provision of continuous earth of HT overhead line, installation of non linear resistance type lightning arrester on HT O/H on last pole near each substation of different location & intermittent earthing point along HT O/H line under Township Rajrappa Area.

ITC Not Available

Sl. No.	Description of Work	Unit	Qty.	Rate
1	Providing and fixing 25 mm X 5 mm GI. Strip on surface or in recess for connections etc. as required.	mtr.	190	
2	Providing and fixing GI. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For vertical run)	mtr.	240	
3	Providing and fixing testing joint, made of 20 mm X 3 mm thick GI. strip, 125 mm long, with 4 nos. of al. bolts, nuts, chuck nuts and spring washers etc. complete as required.	nos.	120	
4	Erection of G.I. Wire No. 8 SWG including binding etc. as required.	Kg	720	
5	Supplying and erection of three piece non linear resistor type lightning arrester suitable for 3 wire, 11KV overheadlines with rated voltage 9KV (rms) with a nominal discharge current rating of 5KA and complete with galvanised clamping arrangement, G.I. bolts, nuts, washers etc.as required.	Set	16	
6	Supply and erection of approved make safe earthing electrode consisting pipe-in-pipe technology as per IS 3043-1987 made of corrosion free G.I. pipes with constant ohmic value surrounded by highly conductive compound with high charge dissipation suitable for effective and maintenance free earthing in earth pit of minimum bore dia. 150mm size, as mentioned below : With 2 metre G.I. pipes having outer pipe dia of 50mm having 80-200 micron galvanizing, Inner pipe dia. of 25mm having 200-250 micron galvanizing, connection terminal dia. of 12mm in nominal soil with 25 kg (one Bag) back filling bentonite compound UL listed and confirm to relevant International/Indian standards around electrode upto ground level.	Nos.	95	
7	Supply of GI wire 8 SWG size for Continuous earth wire as required	Kg	720	
8	Making bore hole minimum bore dia. 150 mm for earthpit (7 ft deep for 01 no. of earthpit)	Nos.	95	
9	Supply and fixing of PVC enclosure with threaded type cover for covering of earth pit in view of safety	Nos.	95	
10	Total	nos	1	
11	GST	nos	1	

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