

## SOUTHERN RAILWAY

### ANNEXURE TO DRAWING NO. EL/P/TYPE-1022

1. The earthing arrangement Drawing *EL/P/TYPE-1022* shall be read in conjunction with the Schedule of Work.
2. The earthing arrangement shall be generally as per IS: 3043 latest.
3. The earthing arrangements proposed is meant for LT earthing in staff quarters / service buildings / in and around Substation area or elsewhere.
4. All the earthing installations shall be tested as per IE Rules updated for compliance to the following value:-.

INDIVIDUAL RESISTANCE	:	NOT MORE THAN 8 OHMS.
COMBINED RESISTANCE	:	LESS THAN 2 OHMS.

5. The above values shall be obtained irrespective of the nature of soil. However if the soil requires treatment the same shall be done by the contractor at no extra cost.
6. The scope of work includes provision of new earthing installations, leading of earth wire and terminating at distribution boards or elsewhere as to be indicated by Engineer-in-charge.

Note: - When the earthing arrangements are proposed under the work of rewiring and (or) work involving provision of earthing arrangements in lieu of existing / damaged / corroded / ineffective earthing, then the scope of work shall also include releasing existing / damaged / corroded / ineffective earth electrodes, atleast upto the portion protruding above ground level. Similarly the existing GI earth continuity wires shall also be removed to the maximum length visible to the naked eye.

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