

TECHNICAL SPECIFICATION OF EARTHING ROD

1.0 TECHNICAL SPECIFICATION: -

Earthing rods shall be fabricated as per the enclosed drawing from 20 mm. MS. round (off-grade quality) and should be completed with 'C' Clamp without bolt-nut and washers and should be 2.54 meters in length with minimum guaranteed weight of 6.4 kgs. A tolerance of + 2.5 % in dimensions only will be permissible. The rod shall be of good finish, well forged and free from flaws and other defects. The welding of 'C' clamp should be on all the four side of 'C' clamp touching the rod and there should not be blow holes on the welded portion. There should not be any joint (s) in the rod the minimum guaranteed weight of finished 20 mm. earthing rod will be 6.4 kgs without Nut & Bolt. This weight is for the purpose of acceptance of earthing rod.

2.0 TESTING AND INSPECTION :

Inspection and testing shall be carried out jointly by the representative of Superintending Engineer (DQC), PVVNL- Meerut not below the rank of Assistant Engineer who is acquainted with specifications and tender processing. Inspection and testing shall be carried out as per clause 2.7 of General Requirement of Specification.

The material shall be tested as per drawing No. RES-76 (R) and also as per technical specification referred above. Testing of 1% or more earthing rod shall be carried out at supplier's cost. No material shall be dispatched without inspection by the representative of Superintending Engineer (DQC), PVVNL- Meerut. Intimation of offer of material for inspection must be sent to Chief Engineer (MM)/SE(MM), PVVNL with a copy to Superintending Engineer (DQC) PVVNL- Meerut.

All the measuring instruments used in testing and inspection should be properly calibrated and sealed once in a year. Calibration certificate when demanded by the inspecting officer should be produced for verification purpose. In case of any dispute regarding calibration of instruments, instruments sealed and signed by representative of supplier and purchaser would be sent to the Institution / Lab of repute at the cost of supplier. The result of such testing shall be binding on the supplier.

When the material is offered for inspection the supplier should keep his material ready duly packed for dispatch. Inspecting officer (s) shall make random selection from this lot of material according to the terms of the agreement of the specification or as the case may be.

The firm shall also render necessary assistance to the inspection officer in making random sampling, the material shall be duly marked by punching or otherwise or sealed as considered by the Inspecting officer after carrying out the inspection and the material approved for dispatch.

Notwithstanding the inspection carried out by the officer of PVVNL -Meerut or their authorized representative, the supplier shall be responsible to ensure correct supply of material at the destination both in terms of quantity as well as quality as per order. In case the material is not found ready when the inspecting team reaches there at the call of supplier for inspection of material or is rejected by inspection team the cost, incurred by corporation on this account will become payable by the supplier. For this purpose Chief Engineer (MM)/SE(MM), PVVNL shall intimate the cost to the supplier and the same shall be paid by the supplier.

3.0 DESPATCH INSTRUCTION:

The dispatch instruction will be issued by the Chief Engineer (MM)/SE(MM), PVVNL.

4.0 OTHER TESTS AND CONDITIONS :

In case there is any conflict or inconsistency among the various clauses thereof and those contained in annexed Form-B and General requirement of the specifications. The Version in the best interest of PVVNL -Meerut shall prevail over others.