

Annexure-C

3. Provision of Earthing rods and associated earthing leads, suitable for use with 11kV overhead three-phase distribution network;

A. Technical Specifications:

S. No.	Parameter	Specification
	Type	Portable Earthing Rod Set, with Insulated Operating Handle
1	Operating Voltage	Suitable for 11kV, 3-phase overhead lines
2	Rod Length	10 to 12 feet (insulated portion), fiberglass or epoxy reinforced
3	Earthing Cable	Flexible, tinned copper cable
4	Cross Sectional Area of Cable	120 mm ² (copper highly flexible)
5	Cable Length	10 meters (standard)
6	Clamps	High conductivity bronze/alloy spring clamps suitable for overhead conductors
7	Earth End	Heavy-duty earth clamp for secure ground rod connection
8	Short-Time Current Withstand	Rated for at least 5 kA rms (9 kA peak) for 1 second
9	Standards Compliance	IEC 61230 / IEEE 1048 or equivalent
10	Accessories	Carrying bag, protective gloves, and test certificate

B. B.O.Q:

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| 1. Portable Earthing Rod 11kV rated, fiberglass insulated | 03 Nos |
| 2. Earthing Leads, 35 mm ² tinned copper with clamps, 10m length | 01 Set |
| 3. Ground Clamp Assembly (heavy duty) | 03 Nos |
| 4. Carrying & Storage Bag | 03 Nos |
| 5. Accessories (protective gloves, connectors, test certificates) | 01 Set |