

TECHNICAL SPECIFICATION FOR THE 11 KV GUY INSULATORS (HT)

1. **SCOPE:-** The specification provides for the manufacture, testing at manufacturer's works, before dispatch, supply and delivery of 11 KV Guy Insulators (HT) as per "Schedule of Requirements" attached.
2. **STANDARDS:-**
The Guy Insulators shall be of as per Fig.3 designation 'C' of the I.S 5300 (the latest issue).
3. **GENERAL REQUIREMENT:-** The porcelain shall be sound, free from defects thoroughly verified and smoothly glazed. The design of Insulator should be such that, stresses due to expansion or and contraction in any part of the insulator shall not lead to its deterioration.
4. **TYPE AND DIMENSIONS:-**
The Guy Insulators shall be of as per Fig.3 designation 'C' of the I.S 5300 (the latest issue). And unless otherwise specified a tolerance of +/- 5% shall be allowed on all the dimensions.
5. **TESTS & TEST CERTIFICATES:-**
The tests shall be carried out as per the relevant IS before dispatch and the Test Certificates shall be furnished for approval. Type Test Certificates showing the results of Type Tests on identical materials as per relevant I.S.S. shall accompany the tender.

6. MARKING:- The Insulators shall be legibly and indelibly marked as stipulated in para (6) of the I.S.

- a) Name of trade-mark of the manufacturer.
- b) Month and year of manufacture and.
- c) Porosity test.

Markings on porcelain shall be printed and shall be applied before firing.

7. GUARANTEED TECHNICAL PARTICULARS:-

The technical particulars as specified in the IS shall be guaranteed and statement of guaranteed particulars shall be furnished along with tender in the form given in the Annexure.

8. PACKING:- Supplies shall be done in wooden crates suitable for rough handling.

9. SAMPLES:-

Two samples of 11 KV Guy Insulators (HT) shall be submitted along with the tender.

10) Embossing:- The material shall be engraved with your trade mark and "APEPDCL" name shall be inscribed on the insulator similar to the supplier name inscription on the insulator.

11. Performance security clause:

The successful bidder shall furnish 10% of contract value towards performance security which includes 5% delivery performance. In case there are delivery delays, from the available amount up to 5% shall be recovered for not adhering to the scheduled deliveries as per the purchase order obligations and the supplier should recoup the amount so deducted by DD or BG again up to extent of 10% till warranty period is applicable as part of performance guarantee.

Elec. & Mech. Characteristics of 11 KV Guy Insulators (HT):

- | | |
|---|---|
| 1. Maker's Name and Company | : |
| 2. Colour | : |
| 3. Length | : |
| 4. Dia meter | : |
| 5. Hole dia | : |
| 6. Minimum failing load | : |
| 7. Creepage distance | : |
| 8. Dry one minute P.F. with stand voltage | : |
| 9. Wet one minute P.F. with stand voltage | : |
| 10. Standard | : IS 5300 – 1969 with latest amendments |