

TECHNICAL SPECIFICATION FOR C.I. EARTH PIPES 50 MM DIA

1. SCOPE: The specification provides for the manufacture, testing at manufacturer's works before despatch, supply and delivery of C.I. Earth Pipes.

2. STANDARDS: The C.I. Earth Pipes shall conform in all respects to the Indian Standard IS-1536/1976. The tenders shall go through the above IS carefully before making his offer.

3. GENERAL REQUIREMENTS: The C.I. Earth Pipes as per IS-1536/1976 Clause-A, 50 mm Bore 2.00 Meter long, 10 mm thickness with a weight of $24.5 \text{ Kg} \pm 5\%$ tolerance with flange outer dia 140 mm at one end and cone at other end. The flange should be drilled with 4 nos. 16 mm dia, holes fitted with bolts and nuts with 2 nos. washers (1 no. spring washer and 1 no. flat washer) and pipe body should be provided with 12 nos. 10 mm dia holes in diagonally opposite directions throughout the length of pole at equal distance as per drawings attached. There is no tolerance for the length of the pipe. (Note the name of the firm shall be etched on the flange)

4. TESTS AND TEST CERTIFICATES: All the tests shall be carried out, as per the IS-1536/1976 before despatch and the test certificates shall be furnished for approval. Type test certificates showing the results of type tests on identical materials as per relevant ISS shall accompany the tender.

5. MARKING: The C.I. Earth Pipes shall be legibly and indelibly marked as per IS-1536/2001.

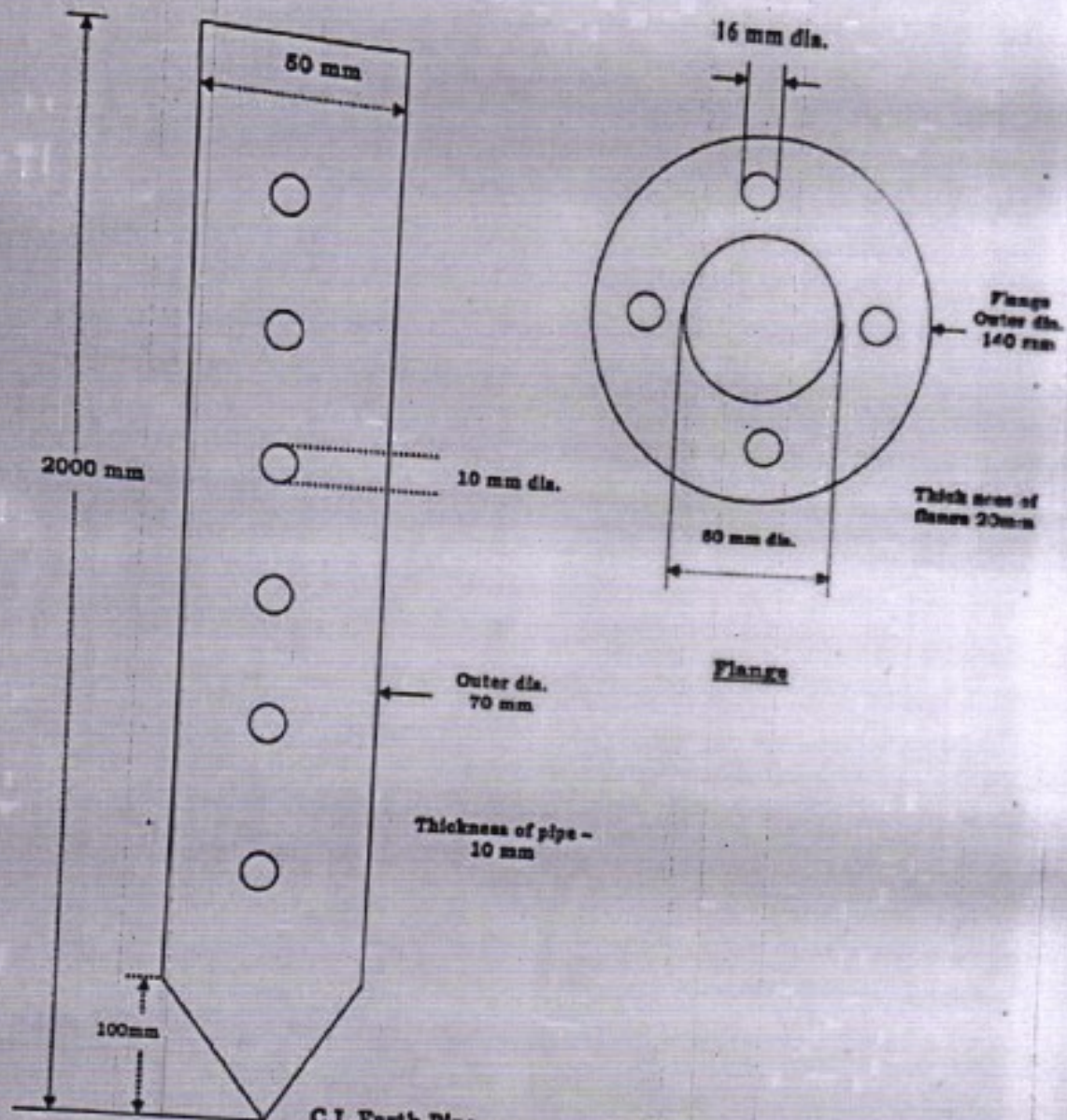
- a. Name of manufacturer
- b. APEPDCL Name, Purchase Order Number & Date

6. SAMPLES: One sample of the C.I. Earth pipe along with test particulars shall accompany the tender. Tenders for which samples are not received are liable for rejection.

7. All bids submitted will also include the following information:

- i. Copies of original documents defining the constitution or legal status, place of registration and principle place of business of the company or firm or partnership, etc.,
- ii. The bidder should furnish a brief write-up, backed with adequate data, explaining his available capacity and experience (both technical and commercial) for the manufacture and supply of the required equipment within the specified time of completion after meeting all their current commitments.
- iii. The bidder should clearly confirm that all the facilities exist in his factory for inspection and testing and these will be made available to the purchaser or his representative for inspection.
- iv. Reports on financial standing of the Bidder such as profit and loss statement, balance sheets and auditor's report for the past three years, bankers certificates etc.

CI EARTH PIPE DRAWING



C.I. Earth Pipe

- Note:**
1. All Dimension are in mm and not to scale
 2. CI Earth pipes conforming to IS:1536 as per 'Clause-A'
 3. No of holes on the Pipe: 12
 4. No of Hole on the Flange: 4
 5. Manufacturing & rolling tolerance permitted $\pm 5\%$
 6. Weight of pipe: 24.5 kg with $\pm 5\%$ tolerance
 7. There is no tolerance in length of the pipe.