

TECHNICAL SPECIFICATIONS OF HD PVC RIGID PIPE

1. **SCOPE:**

This specification covers the manufacture, testing at works and supply of HD Rigid PVC Pipe.

2. **APPLICABLE STANDARD:** IS-9537 (Part-I & III) 1983 and latest amendment of it if any.

3. **GENERAL CONSTRUCTION REQUIREMENT OF HD RIGID PVC PIPE MATERIAL:**

Material should be strictly supplied confirming IS-9537/1983 Part-I & III and latest amendment of it if any.

Colour : White.

Dimensions. : Inside diameter 10 MM + or - 1 MM.

Wall thickness. : 3.0 MM to 3.5 MM

Length. : 2.5 Meter with tolerance + 10 MM

4. **MARKING:**

“Name of DISCOM”, trade mark of supplier and Nominal size of conduits should be screen printed & embossed on the pipe at every half meter length preferably at 50 MM from one end.

5. **TYPE TEST CERTIFICATE:**

The Firm has to submit notarized copy of type test certificate not more than 7 years older HD Rigid PVC pipe for all the tests as per clause No. 14.1 of IS-9537 Part-III/1983 and latest amendment of it if any except bending test (Clause No. 9.2) and collapse test (Clause No. 9.5) as both the tests not applicable for 10 MM HD PVC Pipe.

6. **ACCEPATANCE OF LOT:**

- 6.1 Sampling and acceptance criteria. The numbers of samples selected randomly from the lot shall be in accordance with acceptance criteria in assurance with Appendix-A (A-2.1) of IS-9537 Part-III/1983 and latest amendment of it if any as under:

Scale of Sampling

Lot Size	For Dimensional Requirements		Other Acceptance Tests
	Sample Size	Permissible No. of Defectives	
Up to 300	13	0	2
301 to 500	20	0	3
501 to 1000	32	1	4
1001 to 3000	50	2	5
3001 & above	80	3	7

The conformity criteria would be as per IS-9537 Part-III/1983 and latest amendment of it if any.

6.2 Acceptance Tests:

The selected sample shall be subject to the acceptance test in following order as per IS-9537 (Part-III 1983) and latest amendment of it if any

- A. Visual inspection.
- B. Verification of dimension as per company's requirement.
- C. Compression test (Clause No. 9.3)
- D. Resistance to burning (Clause No. 11).
- E. Electrical characteristics (Clause No. 12).

7. TENDER SAMPLE:

Tenderer should submit 2 Nos. of samples along with the offer. Offer without sample will be straight way rejected. Sample should be submitted at R.S.O./Divisional Stores of respective DISCOMs on or before last date of submission of offer. Tenders without sample are liable to be rejected.

8. GUARANTEED TECHNICAL PARAMETERS (GTP):

Tenderer should submit the required details in attached guaranteed technical parameters (GTP) offer without GTP will be straight way rejected.

ANNEXURE-A

Manufacturer's name :

Address :

GUARANTEED TECHNICAL PARTICULARS (GTP)

Technical information and guaranteed technical information for supplier of HD Rigid PVC Pipe.

Part-A: Bidder has to confirm following important requirement.

Sr. No.	Particulars.	Confirmation.
1	HD Rigid PVC Pipe shall be supplied as per confirming IS No. 9537/1983 (Part-I & III) and latest amendment of it if any	Yes/No
2	Dimension shall be as under.	
	Inside diameter 10 MM (+) or (-) 1 MM	Yes/No
	Wall thickness 3.0 MM to 3.5 MM.	Yes/No
	Length. 2.5 Mtr with tolerance + 10 MM	Yes/No
3	Marking shall be as under.	
	"Name of DISCOM" & Trade Mark of supplier, Nominal size of conduits shall be screen printed & embossing on pipe at every meter length properly at 50 MM from one end.	Yes/No

Part-B: Bidder has to furnish below detail for above material.

Sr. No.	Particulars.	Confirmation.
1	Colour of pipe - white	Yes/No
2	Manufacturer Trade Mark name.	

Part-C: Bidder has to enclose following documents and has to confirm for the same.

Sr. No.	Particulars.	Confirmation.
1	The notarized copy of type test certificate as per specification Clause No.5 at any Govt. Approved laboratory is submitted as under.	
	The name of laboratory.	
	Laboratory Test Report.	
	Date of report.	
2	Two (2) Nos. of samples to be sent with tender.	Yes/No
3	List of plant & machinery.	Yes/No
4	List of testing equipment.	Yes/No

Part-D: Bidder has to mention below deviation if any quoting relevant clause of specification.

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Signature and Seal of Tenderer