

TECHNICAL SPECIFICATION FOR HDPE PIPES

1. Scope

This Specification covers technical requirements of design, Constructional features, inspection, testing, supply and transportation of 110 mm diameter of HDPE Pipe.

2. Application and Standards:

The equipment covered by this specification shall unless otherwise stated, be designed, manufacture and tested in accordance with the latest editions of the following Indian International Standards and shall confirm to the regulations of local statutory authorities.

3. Service Conditions:

Equipment to be supplied against this specification shall be suitable for satisfactory continuous operation under the following tropical conditions.

- a) Maximum ambient temperature of air: 50°C
- b) Maximum temperature of air in shade: 4°C
- c) Maximum daily average ambient temperature: 40°C
- d) Maximum yearly average ambient temperature: 30°C
- e) Relative Humidity: up to 95%
- f) Average number of thunder storm days per annum: 15
- g) Maximum annual Rainfall: 150cm
- h) Maximum Altitude above mean sea level: 1000Meter
- i) Maximum Wind Pressure: 150 Kg/cm² (As per IS 802 latest code)
- j) Maximum soil temperature at cable depth: 30°C
- k) Maximum soil thermal resistivity: 150°C cm/watt

4. General Technical Parameters:

SR.	DESCRIPTION / PARAMETERS	REQUIREMENT
1	Make	
2	Applicable Standard	
3	Grade	PE-100
4	Pressure rating (Kg/Sqcm.)	6
5	Outside Diameter (mm)	110 MM
6	Inside Diameter (mm)	99.10 MM
7	Recommended For (Mention Maximum Armoured cable Type and Size)	11KV UP TO 300 SQ MM