

Specification of HDPE Pipe

- 1) Scope : Supply of HDPE pipe
- 2) Service conditions:

HDPE pipe shall be suitable to use in following Climate conditions.		
2.1	Maximum ambient temperature	50 Deg C
2.2	Relative Humidity	0 to 96%
2.3	Maximum annual rainfall	790 mm
2.4	Atmosphere	Heavily polluted, dry, dust

- 3) Cable Details:

Sl. No	Cable Details	Approx Dia of Cable (mm)
1	66kV, 3CX300	125
2	66kV, 1CX630	80.5
3	66kV, 1CX1000	93
4	33kV, 3CX400	106
5	11kV, 3CX400	83
6	11kV, 3CX300	77
7	11kV, 3CX150	61
8	1.1kV, 4CX300	60

2. Technical requirement: HDPE pipe (PN6, PE80) , Wall thickness- as per IS 4984, 2016, Colour- Black
3. Selection of HDPE pipe diameter:

Sl. No	Cable	Recommended Dia of HDPE pipe (mm)
1	66kV, 3CX300	225
2	66kV, 1CX630	180

3	66kV, 1CX1000	180
4	33kV, 3CX400	180
5	11kV, 3CX400	160
6	11kV, 3CX300	160
7	11kV, 3CX150	160
8	1.1kV, 4CX300	110

4. Type Test: Product shall be type tested as per IS 4984, 2016 from any NABL lab. Type test report shall not be older more than 5 years.
5. Acceptance Test: All acceptance test shall be followed as per IS 4984, 2016
6. Embossing as well as ink jet printing: Each pipe shall be embossed and shall be printed with below characters at 1 mtr interval
 - Manufacturer name/Trade mark
 - Customer name
 - Year and month of manufacturing
 - BIS details
 - PO no and date
 - Lot no/Batch no
 - HDPE-dia of pipe, PN6, PE80
 - Length marking
7. Length of pipe: Length of pipe shall be 5 mtr. to 20 mtr as agreed by BSES. Short length may be considered as per IS 4984 or as agreed by BSES.
8. Deviation: Bidder has to intimate to BSES for any kind of deviation and written confirmation shall be taken at evaluation stage. Without any written confirmation on deviation from BSES, it will be assumed that bidder shall comply technical specification fully.
9. Inspection: BSES reserve the right to inspect material at OEM factory. All kind of acceptance as per IS 4984 test shall be conducted by BSES. OEM to intimate inspection call to BSES at 10 days advance of scheduled date.
10. Delivery: MDCC (material dispatch clearance certificate) shall be given after successful completion of final inspection.