Annexure I – Chlorine vapour pressure curve

Source: The Chlorine Institute Pamphlet 1
Annexure II – Piping Specification

Rating Class : ANSI Class 300

Piping Size : Minimum size: 50 DN

Pipeline Size : Minimum size: 80 DN

Piping Material : A333 GR.6, Seamless, Standard ASME B36.10M, Butt Weld Ends connections /
Optional: API Specification 5L with Charpy Test at (-)45°C

Pipe fittings : A420 Gr.WPL6W, Standard: ASME B16.9, Butt Weld Ends connections

Pipe Flanges : A350 Gr.LF2, Standard: B16.5, Butt Weld Ends connections, Raised Face

Pipe Bolts : A320 Gr.L7/A194 Gr.4

Gaskets : Spiral Wound, Monel + PTFE, B16.20/B16.5

Valves Type : Bellow Sealed Globe Valves, Euro Chlor Design and Euro Chlor certified valves

Valves material :
  Body Material : A352 Gr. LCB, Stellated seat,
  Bellow material : Hastelloy C-276
  Bonner Gasket : Spiral wound Monel + PTFE
  Packing : PTFE V-RING
  Standard : ASME B16.34, Flanged B16.5, Raised Face
Annexure III - Typical above ground Pipeline Section

ABOVE GROUND BARE / INSULATED PIPE

ABOVE GROUND PIPE IN PIPE

NOTES:
1. All dimensions are in MM,
2. * As per good Engineering Practice
Annexure IV - Typical Underground Pipeline Section

**SINGLE BURIED PIPE**

**TWIN BURIED PIPES IN COMMON TRENCH**

**NOTES:**
1. All dimensions are in MM.
2. Concrete trench / cover is to be designed for the loads.
3. Trench fill shall be sand / soft soil free from rocks or other such materials and shall be suitably compacted.