

## HDPE Piping System for Water Conveyance





JISL manufacture HDPE pipes in diameters ranging from 16mm to 2500mm. HDPE pipes have many advantages in the use of potable water supply systems over conventional Piping systems. HDPE pipes have the lowest water hammer effect in transmission lines leading to minimum maintenance as well as reduction in appurtenance cost. Use of HDPE piping system has other advantages like less friction leading to lowest consumption of energy with long life span of the system totally reducing the NRW (Non- Revenue Water) losses which occurs in conventional piping system with leaky joints. Distribution systems with House Service Connections also made easy with homogeneous leak proof joints like tapping Tee and Saddles which have proved totally leak-proof.

Jain HDPE pipes for House Service Connection are manufactured from PE-80 and PE-100 grade blue compounded material, having WRAS certification, recommended world over for distribution of safe potable water under hygienic conditions.

- Very smooth inner surface ensures no scaling and choking.
- Has less friction loss and gives better flow at lower heads.
- The pipes upto 160mm are available in 50, 100, 200 and 300 metre coils.
- No wastage of pipe as it can be cut to requirement at site.
- Less number of joints as the pipe is flexible and available in longer lengths.

- 100% leak-proof, saving enormous quantities of water wasted in conventional piping system due to corroded leaky joints.
- Easy to repair as the pipes are flexible and joiners are with union and compression type joints.
- Easy tapping with speciality tapping joints.
- Tools of installation are easily available with precision made fittings.

### Technical specifications

<b>Range</b>	Ø 20 to 2500 mm Pressure Rating 2.5 to 25 kgf/cm <sup>2</sup>
<b>Standard</b>	IS-4984, ISO-4427, BS EN12201
<b>Length</b>	Available in straight lengths of 6/12 meters for all size and in coils upto 160 mm OD.
<b>Material Grades</b>	<ul style="list-style-type: none"> <li>• PE-80 &amp; PE 100 (Blue Colour) </li> <li>• PE-80 &amp; PE 100 (Black with Blue Stripes) </li> </ul>
<b>Applications</b>	<ul style="list-style-type: none"> <li>• Potable Water Distribution Network &amp; Rising Main</li> <li>• House Service Connections</li> <li>• Lift and Gravity Irrigation</li> <li>• Offshore Sub-marine Intake and Outfall</li> <li>• Infrastructure building and Construction</li> <li>• Canal Replacement</li> </ul>