



### Major Projects executed using our Varunflo Hdpe Pipes

- **Bijapur, Hubli-Dharwad, Karnataka** - HDPE Pipeline for Water Supply, Project executed by Karnataka Urban Water Supply and Drainage Board
- **Ilkal, Belgaum, Karnataka** - HDPE Pipeline for 24x7 Water Supply ADB Assisted, Project executed by KUIDFC, Govt. of Karnataka
- **Nanjangud, Karnataka** - HDPE Pipeline for 24x7 Water Supply , Project executed by KUIDFC, Govt. of Karnataka
- **Bantwal** - HDPE Pipeline for Water Supply, Project executed by Karnataka Urban Water Supply & Drainage Board
- **Karopady** - HDPE Pipeline for Water Supply, Project executed by Rural Water Supply and Sanitation Board
- **Nagpur, Maharashtra** - HDPE Pipeline 24x7 Water Supply , Project executed by Nagpur Municipal Council, Maharashtra
- **Raichur, Sindhnur, Gadag, Hospet, Haveri, Ballari, Bidar and Basavkalyan Municipal Councils, Karnataka** - for ADB Assisted 24x7 Water Supply , Project executed by KUIDFC, Govt of Karnataka
- **Nagarkoil, Kanyakumari, TN** - Providing Water Supply improvement Scheme to Nagarkoil Municipality, Kanyakumari (AMRUT Project) executed by Tamil Nadu Water Supply and Drainage Board.

### Leading Customers



## VARUN PIPING SYSTEMS

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## Varunflo HDPE PIPES

- Eco Friendly
- Long life
- Strong
- Flexible
- Non Corrosive
- Leak free

Varunflo HDPE Pipes



- The name is the guarantee

Leaders in supplying quality products in the field of Micro & Mini Irrigation Sprinkler systems, Urban and Rural Water supply systems and Sewerage lines.

"VARUN™" Rigid PVC Pipes

"Varunflex™" PVC Suction Hose Pipes



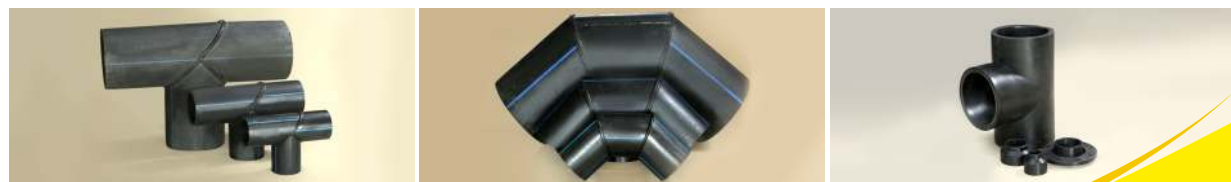
### Varun Piping Systems

Water & consumption of water, management of water distribution system are the key areas of developmental models in our country. Whether for human consumption, agricultural usage or industrial purpose, water is the essential commodity which needs to be conserved and preserved. It has become the key ingredient in our quest for sustainable living.

Water has emerged as a major reason of contention in the new world of modern civilization and as a result, importance is given to limit the usage, wastage and efficient transport systems of water. Hence, plastic piping systems gained importance for various uses such as irrigation, drainage, construction, industrial utilities etc. It is mainly because plastic pipes provide economic alternatives to other GI or iron pipes since they are light weight, easy handling, simple jointing, long life, and corrosion resistance.

Realizing this potential, founders of **Varun Piping Systems**, ventured in to setting up a plastic pipe industry, to manufacture quality piping systems for use in water supply through plastic pipes for domestic as well as agriculture purposes. A family concern having two first generation entrepreneurs with a strong vision and business ethics, followed by four technically qualified Second generation entrepreneurs have successfully managed the transformation of **Varun** group since the past four decades. It was indeed a very innovative and noble cause the founders ventured in to in those days, with extreme circumstances like lack of raw materials, electricity shortages lack of industrial support for marketing.

Adherence to strict quality controls in standardized production methods backed up with customer friendly solutions over four decades has firmly established a strong goodwill network of users and suppliers enabling **Varun Piping Systems** to become a quality choice in whole of South India.



### Varunflo HDPE Pipes

Size Range: 20mm OD - 450mm OD

Grade: PE63, PE80 and PE100

Pressure: PN2.5 - PN16.0

Standard: IS 4984:2016

Features: Long life of 50 years, Strong, Flexible, Non Corrosive, Leak free joints for high pressure applications, Used in trenchless installation, Eco Friendly.

Applications: Potable Water Supply, UGD Systems, Sewerage Lines, Gravity Mains, Rising Mains, Lift Irrigations, Sprinkler Irrigation, Lifting from Bore-well, HDD applications.



### Properties - HDPE Pipes

- Melt Flow Index: 0.20 – 1.10 g/10min
- Density: 940.0 – 958.0 kg/m<sup>3</sup>
- Longitudinal Reversion: Less than 3%
- Oxidation Induction Time: More than 20 minutes
- Impact Strength: Excellent
- UV Stability: Excellent
- Hydrostatic Strength at 20°C and 12.4 Mpa: greater than 200 Hours
- Resistance to stress cracks at 80°C and 9.2 Bar: greater than 500 Hours
- Resistance to rapid crack propagation (S4 test at 0°C): greater than 10 Bar
- Recommended Service Temperature: - 40°C to 60°C
- Service Life: 50 to 100 Years.



IS 4984:2016

### IS CERTIFICATION

Bureau of Indian Standards (BIS) 4984:2016 - high density polyethylene pipes for potable Water supplies [CED 50: Plastic Piping System]

HDPE Pipes approved by  
Karnataka  
Urban Water Supply  
and  
Drainage Board  
Govt. of Karnataka