

Largest Spectrum of
HDPE Pipe in
Central India



QUALITY

“Reliable”, “Consistent”, and “Trustworthy” are the kinds of characteristics by which we are recognised, Good Manufacturing Practices (GMP) assure best product and timely service.

SERVICE

All our products come with an in-built comprehensive warranty and are subject to be serviced/repaired/replaced free of cost against any Manufacturing Defects, if found.

VISION

Irrigation being main strength of our nation, we are continuously working on it to make our product affordable, water saving and easy to install for farmers. We strive to make durable and eco friendly products which are cost effective, light weight and best in class. Drinking water pipeline arrangements, electric and telecom conduits gaseous fuels, sewage networks, irrigation PDNs etc. primarily used in infrastructure sector is also our major forte.



Agro | Infra | Water

MATERIAL ADVANTAGES



Chemical Resistant

Polluted waste water transport is easily possible



UV & All Weather Resistant

Carbon Black Additives give unconditional surface & sub-surface use.



Temperature Resistant

Can be use between -40°C to 100°C



Flexible Movement

Accommodates with Ground conditions in underground installations



Impact Resistant

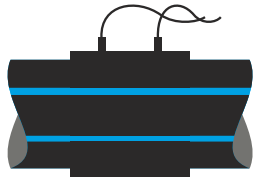
Simply unbreakable at temperatures above 5°C



Wear Resistant

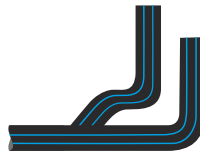
Cost reduces due to long life of the product

SYSTEM ADVANTAGES



Easy Welding System

Simplest & secured installation by Butt-welding & Electrofusion



PreFabrication

Cost-effective & Speedy installation of patterned systems



Homogeneous Welded Joints

Pull tight & leak free for a completely closed system



Low Heat Conductivity

No Condensation Insulation required during short periods of cooling



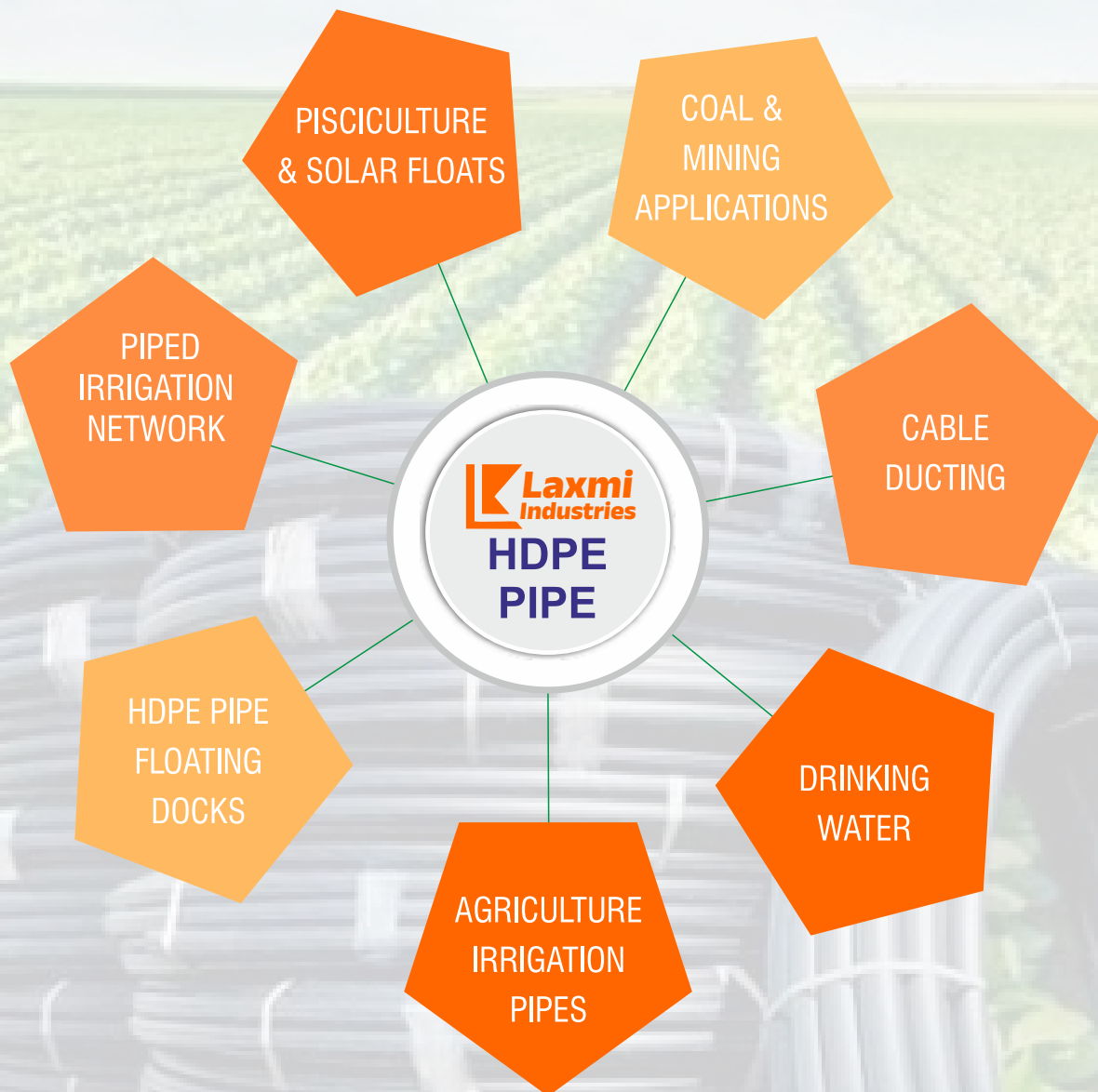
Light in Weight

Reduces cost of transport & handling



Non Toxic

100% Recyclable & Completely environment friendly



Spectrum of Applications



HDPE pipe is the accepted standard for : Solution Mining | Heap Leaching | Process Water | Process Slurry | Water Transportation | Tailings Transportation | Dust Suppression | etc.

Survives rugged terrains, extreme climates & changing site environments.

Flexibility, abrasion resistance and leak-free joints

Rustproof, break-resistant and corrosion-free

Heat-fused joints create a monolithic structure that allows long lengths of pipe to be pulled from one area to another

DUST SUPPRESSION SYSTEMS:

- Strategically-placed atomising nozzles to spray a fine mist of water and surface active agents
- Suppressing the dust at it's source itself
- Captures airborne dust particles and bring them to the ground
- Topical application helps prevent the dust from becoming airborne.
- Improves work environment, reducing health hazard.

DEWATERING OF MINES:

- Dewatering is fundamental to the viability of the mine.
- Useful for all types of mines.
- Helps preventing acid accumulation in abandoned mines.
- Long term solution (upto 20 years and more), due to non - corrosive and non rigid nature. environment, reducing health hazard.





CABLE DUCTING :

i) Electric Cable Ducting:

- Safety of cable form external damages.
- Helps in identification of cables in underground installations.
- Prevents power lines being affected in case of floods, high wind thunderstorms etc.
- Prevents power thefts and pilferage in urban areas.

ii) Telecom Cable Ducting:

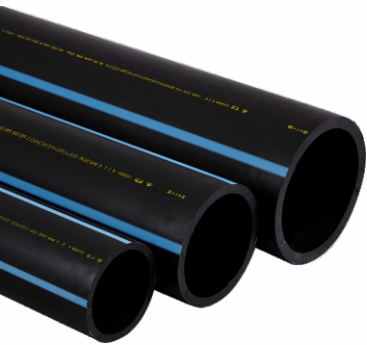
- Safety of cable form external damages.
- Helps in identification of cables in underground installations.

DRINKING WATER :

- HDPE Pipe has been used in Potable Water applications since about 60 years.
- Flexible and Fatigue Resistant.
- Corrosion and Chemical Resistant.
- Best option to all other conventional piping systems.
- Estimated service life for HDPE pipe of about 50-100 years, saves service and replacement costs.



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II) Effluent Treatment Plants:

- Smooth-walled HDPE pipe helps nutrient removal upgrade.

PIPE IRRIGATION NETWORK :

- Pipe network for application for micro irrigation.
- Water is transported thru Piped Irrigation Network (PIN) source to root while the two parts in isolation form a partial PIN.
- The PIN coupled with Micro Irrigation System (MIS) will further improve the agricultural efficiency.

IRRIGATION PIPES FOR AGRICULTURE / HORTICULTURE :

I) Rain Pipe:

- Unregulated in terms of pressure and discharge, is a cheap substitute to sprinkler irrigation systems.

II) Drip Irrigation Pipes / System :

- Most water efficient irrigation system, saves upto 90% water than traditional methods.
- Ensures steady and uniform flow of fertilisers.

III) Sprinkler Irrigation Pipe:

- Sprinkler Irrigation is a method of applying irrigation water similar to rainfall.
- Water is sprinkled in air to irrigate entire soil surface through spray heads so that it breaks up into small water droplets.
- Sprinklers provide efficient coverage for small to large areas and are suitable for use on all types of topographies.
- Adaptable to all types of cultivable soils, sprinklers are available in a wide range of discharge capacity.
- A most value for money option for micro irrigation & applications.



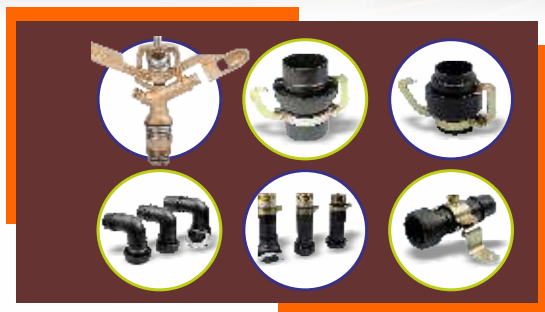
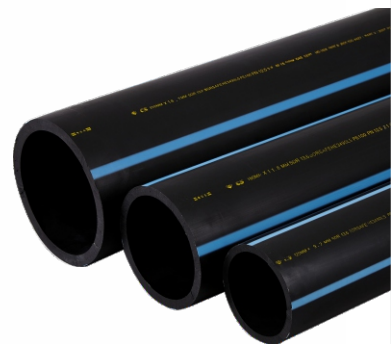


IV) Bore-Well:

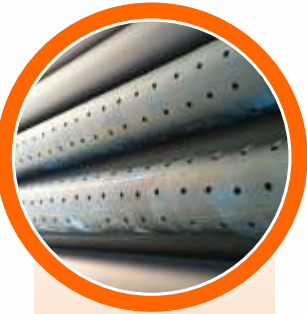
- Longer & continuous lengths ensure uninterrupted & better flow.
- Low cost installations.
- Easier to handle & transport.
- Sustains extensive weather conditions. Ranging from -40°C to 100°C
- Smooth inner wall, corrosion resistant, maintains flow capacity for longer durations.

HDPE PIPE FLOATING DOCKS : Solar Panels & Floating Platforms:

- High Density Polyethylene (HDPE) piping give better protection from impacts.
- Superior resistance to corrosion, chemical and marine organisms, as well as leak-proof construction.
- HDPE is weather-resistant and able to survive freeze/thaw cycles with no degradation and is UV resistant.
- Compared with conventional plastic drums, HDPE gives a 100% advantage.



HDPE FITTINGS :



ADVANTAGES OF THE OUR SPRINKLER IRRIGATION SYSTEM

Our QCPE pipes ensure hassle free locking and unlocking of male-female couplers.

Its lock-sure clamping design helps reduce time and manpower, both.

Our innovative Rotational Friction-Welding process used in Quick-Coupled pipes and Sprinkler-Saddle Assembly helps in reducing head-loss of water, thus, always scores higher on the traditional Butt-Fusion welding.

The RFW joints are designed to withstand at least 200% more pressure and are less prone to breakage & leakage.

The RFW joints have given excellent results.

Our Sprinkler Irrigation Pipes and Systems are designed in such a manner that the user needs to assemble or dismantle minimal parts to use it, or keeping it for the future usage.

Our state-of-the-art testing facility, stringent quality norms and flaw-less (full-proof) manufacturing process ensures to provide you with a Sprinkler System which would last forever. All the products that are manufactured by us come with the highest quality standards and are ISI marked as per various BIS standards.

Operational flexibility - effective for all geographical conditions, land-topography and crops.

Lower cost of procurement.

Sprinkler Irrigation Systems are capable of irrigating 2-3 times the area as compared to the Surface Irrigation.

Low maintenance cost. Ergonomically designed. Even easy and suitable for unskilled labours

Indigenously developed high pressure irrigation systems, specially for high altitude & hilly terrain farming like tea & coffee plantations.





SPECIAL FEATURES

Our HDPE pipes used for drinking water supply

Manufactured from virgin-grade HDPE (High Density Poly-Ethylene) polymers in various dimensions and are presently ranging from 20mm to 110 mm (higher sizes to be added after required certification from BIS)

Successfully supplied pipes of dia 140 & 150 mm in 100 m coil length for cable ducting applications for projects of MSEDCL, NHAI and various infrastructure applications. We have developed pipe of dia 150mm specifically for cable ducting application, conforming the norms of NHAI.

Our customised range starts at as low as 3 metre.

Our HDPE pipes for drinking water supply are economic & reliable replacement to the traditional G. I. pipes which are commonly used in bore-well application, in the areas of domestic, agriculture & industrial usage.

We are the only company to supply highest possible length in coil form thus reducing the freight cost, making our pipes more economical.

APPLICATION / UTILITY

Our HDPE pipes are good substitute for :

The water distribution requirements, barring a few applications such as suction, delivery from centrifugal & jet pumps, domestic gas distribution etc.

Industrial requirements like transport of corrosive effluents, acids, slurries of metallic by-products, fire-hydrants & sprinklers, main and sub-main lines etc.

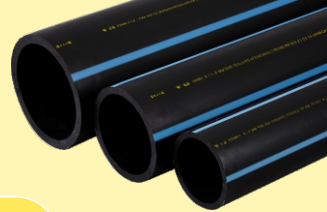
Our HDPE pipes have been tested for above-ground, surfaced, under-ground/buried, floating & sub-surfaced, HDD (Horizontal Directional Drilling) laying applications. It has the lowest repair/service frequency compared to the other pressurised piping systems.



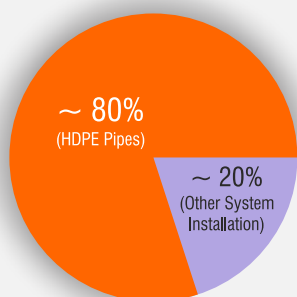
Our HDPE pipe is an answer to long service, hassle-free and low cost installation, resistance to chemicals, flexibility of handling and laying, leak-free & perfect weld ability, corrosion, abrasion, excellent flow characteristics.



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Cost Components of HDPE Pipe Installations



- Pipe value is major determinant in **long term costing**
- HDPE pipes have **shelf life of >20 yrs**
- Minimize **recurring expenditure** on material & labour
- Immune to **inflation & inconvenience**



ISI 4984 : 2016
CM/L NO : 8200158614



ISI 17425 : 2020
CM/L-8200159111



ICV 58201897
ISO 9001 : 2015



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Agriculture & Bore-well | Coal | Electric & Telecom Ducts | Floating Docks |
| Potable Water | Sprinkler & Drip Irrigation |



Certificate of Registration

This Certificate certify that the Environmental Management System of

LAXMI INDUSTRIES

0,GRAM MANKAPUR MAHGANWA KALAN,SILWANI RAISEN M.P.-464886

has been audited by ICV and found to be

in compliance with the requirements of the standard

ISO 9001:2015

**This certificate is valid for
the following scope**

MANUFACTURING OF HDPE PIPES AND SPRINKREL PIPES

Certificate No.	: IC 5 8 2 0 1 8 9 7
Certificate Issue Date	: 0 2 / 0 5 / 2 0 2 4
1st Surveillance Due	: 0 1 / 0 5 / 2 0 2 4
2nd Surveillance Due	: 0 1 / 0 5 / 2 0 2 5
Date of Expiry	: 0 1 / 0 5 / 2 0 2 6



**EMS Certification
CAB # 119007**



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Abhishek Singh



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- This Certificate is intellectual Property of ICV and Certificate should be returned to ICV in case of non compliance of certification procedure. Authenticity of this certificate can be verified at www.icvassessments.com

FACTORS TO CONSIDER WHEN LOOKING FOR HDPE SPRINKLER PIPE



WATER SAVING INCREASES PRODUCTION COST-EFFECTIVE