




BHANDARI[®]


Sagar
By Bhandari Plastics



About Us

Shree Bhandari Plastic Private limited is a leading manufacturer of advanced irrigation solutions since 1995, dedicated to transforming agriculture and optimising water usage. With years of experience in the industry, we specialise in delivering efficient, sustainable, and cost-effective irrigation systems tailored to meet the unique needs of commercial and agricultural clients.

We pride ourselves on our commitment to quality, innovation, and customer satisfaction. Our team of skilled professionals is passionate about what they do, offering expert advice and reliable support every step of the way. Whether you need a new irrigation system, maintenance for an existing one, or advice on water conservation practices, we are here to help. We empower our clients with the knowledge and tools they need to make informed decisions about their irrigation systems, offering ongoing support to ensure long-term success.

Join us in making a greener, more sustainable future—one drop at a time.

Our Leadership

At Shree Bhandari Plastic Pvt Ltd, our success is driven by a team of dedicated leaders who bring a wealth of experience, vision, and passion to the company. Each member of our leadership team is committed to excellence, innovation, and the sustainable growth of our company and the industry.

Mr. Satya Narayan Bhandari CEO & Founder

Mr. Satya Narayan Bhandari is the visionary behind the Company, with over 45 years of experience in the irrigation and plastic product manufacturing industry. Under his leadership, the company has grown from a small startup to a leading provider of advanced irrigation solutions. Their deep understanding of raw material, water management, and commitment to sustainability drives the company's mission to conserve water while enhancing cultivation.





Quality Assurance

At **Shree Bhandari Plastic Pvt Ltd**, quality isn't just a goal—it's our standard. We pride ourselves on delivering irrigation solutions that are not only efficient but also built to last. Our commitment to quality assurance is reflected in every aspect of our work, from the initial design to the final installation and maintenance of your irrigation system. We use only the highest quality raw materials and equipment, ensuring durability and performance in every installation, rigorous testing are conducted while manufacturing And installation of our products. All products manufactured by us are BIS certified, our company is holding 6 certification under bureau of Indian standards.

Our commitment to quality continues even after installation, with regular maintenance services and prompt support to address any issues that may arise. We stand by the quality of our work with a satisfaction guarantee. Our clients can trust that their irrigation systems will function efficiently and reliably, year after year.

Our Presence

We are proud to have established a strong and growing presence in the country. Our commitment to delivering top-tier irrigation solutions has allowed us to expand our services across various states and large-scale agricultural projects. Our company is recognised as an approved provider for several government subsidy programs designed to encourage the adoption of efficient irrigation technologies. Our work directly supports local farmers, improving their access to water and enhancing their crop yields. Our vast dealer network is present across the country. We are dedicated to supporting government initiatives that aim to create more resilient and sustainable landscapes. Whether through large-scale public projects or assisting individual clients with subsidy application.



Our Vision

At **Shree Bhandari Plastic Pvt Ltd**, our vision is to lead the way in sustainable water management, creating greener, healthier environments through innovative irrigation solutions. We aspire to be the most trusted provider of efficient and eco-friendly irrigation systems, helping communities and businesses thrive while preserving our planet's precious resources.

We envision a future where every landscape—whether residential, commercial, or agricultural—is nurtured by smart, sustainable irrigation practices. By continuously advancing our technology, expanding our expertise, and deepening our commitment to environmental stewardship, we aim to make this vision a reality. Our goal is to minimise water waste and promote conservation, ensuring that our solutions contribute to a more sustainable future for generations to come.

We are committed to maintaining the highest standards of quality in everything we do, from design and installation to customer service and support.

Our Mission

Our mission is to deliver high-quality, sustainable irrigation solutions that enhance the beauty and productivity of landscapes while conserving vital water resources. We are dedicated to providing our clients with customized systems that are efficient, reliable, and environmentally responsible.

We focus on understanding the unique needs of each client, ensuring that our irrigation systems are tailored to meet specific requirements, whether for residential, commercial, or agricultural purposes.

We understand the challenges that farmers face in managing water resources efficiently, especially in regions prone to drought or water scarcity. That's why we're committed to providing education and support that helps farmers not only survive but make best use of irrigation equipment to boost their production. By sharing our expertise and offering practical, sustainable solutions, we help farmers achieve better harvests, reduce costs, and protect the environment.



Our Product Range

We offer a comprehensive range of high-quality irrigation products designed to meet the diverse needs of commercial, and agricultural clients. Our products are built to deliver optimal water efficiency, durability, and ease of use, ensuring that every drop counts.

- ◆ **Sprinkler Systems:** Our sprinkler systems are perfect for maintaining lush, green lawns, vibrant gardens and agricultural land. Designed for even water distribution. (IS 17425)
- ◆ **Mini Sprinkler Systems:** Ideal for small gardens, flower beds, and specific zones within larger landscapes, our mini sprinkler systems offer precise and gentle water application. (IS 12786)
- ◆ **Drip Irrigation Systems:** Designed for precision agriculture, our drip irrigation systems help farmers maximize crop yields by delivering water directly to the root zone. (IS 13488, IS 13487, IS 12786)
- ◆ **HDPE Pipes:** Our high-density polyethylene (HDPE) pipes are known for their durability, flexibility, and resistance to corrosion. (IS 4984, IS 17425)
- ◆ **PVC Pipes:** We offer a variety of polyvinyl chloride (PVC) pipes that are lightweight, easy to install, and highly resistant to chemical damage. Our PVC pipes are perfect for irrigation systems where cost-effectiveness and reliability are essential. (IS 4985)
- ◆ **Rain Gun Sprinkler Systems:** Our rain gun sprinklers are perfect for large agricultural areas, providing a broad, even distribution of water.
- ◆ **Fertigation Systems and Filters:** Combine irrigation and fertilization with our fertigation systems, which deliver nutrients directly through the irrigation system.



Sprinkler Irrigation System

A sprinkler irrigation system is a method of applying controlled amounts of water to crops or landscapes in the form of droplets or mist, simulating natural rainfall. It consists of a network of pipes, pumps, and sprinkler heads to evenly distribute water over a specified area.

Quick Coupled HDPE Pipes

Quick Coupled HDPE Pipes (QCPE) are high-density polyethene pipes designed for easy and efficient irrigation. They feature a fusion-type welding system for a secure connection.

Product Name: SAGAR QCPE Pipe

Range (OD): 63 mm to 140 mm

Pressure: 2.5 kg/cm² and 3.2 kg/cm²

Welding: Fusion Type

BIS Standard: IS 14151:2008 (Part-II)

Benefits of SAGAR Sprinkler System

- Decades of manufacturing experience in QCPE pipes since 1995.
- Imitates natural rainfall for even water distribution.
- Suitable for a wide range of terrains, including slopes.
- Prevents water wastage with leak-proof joints.
- Offers flexibility and durability. Quick and easy installation, even on uneven land.
- Remarkable water conservation, saving up to 50%.



Sprinkler (Nozzle)

Definition: Sprinkler nozzles are essential components of the irrigation system, responsible for distributing water in the form of droplets or mist over the cultivated area.

Product Name: SAGAR Sprinkler

Range (OD): Full Circle 3/4" Male Thread

BIS Standard: IS 12232

Discharge: 1800 LPH to 2500 LPH



Fittings and Accessories

We offer a complete range of fittings and accessories designed for fusion-type welding, ensuring a successful and hassle-free installation of your irrigation system.

Our product line includes:

Adapter (Foot Button): Available in sizes 63 mm to 140 mm

Tee: Available in sizes 63 mm to 140 mm

Bend (Elbow): Available in sizes 63 mm to 140 mm

PCN: Available in sizes 63 mm to 140 mm

End Cap: Available in sizes 63 mm to 140 mm

Raiser Pipe: Available in a single size



Drip Irrigation System

Drip irrigation is an efficient and precise method of delivering water directly to the root zone of plants. This system minimises water wastage by targeting the areas where plants need moisture most, making it an ideal choice for a wide range of applications. It includes network of tubes, pipes, emitters filters and fertigation.

Benefits of SAGAR Drip Irrigation System

- Drip irrigation conserves up to 70% of water compared to other irrigation methods.
- Precise water delivery leads to higher crop yields.
- Drip irrigation can be adapted to irregular terrains.
- It reduces labour and energy requirements for irrigation.
- The system enhances fertilizer utilization by crops.
- Reduces weed growth and maintain soil nutrition.



In-line drip irrigation



Round drip irrigation is a highly efficient method of watering plants, particularly suited for gardens, landscapes, and agricultural fields. It uses round tubing (laterals) with built-in emitters to deliver water directly to the root zone of plants

Features:- Flexible polyethylene tubing that can easily be laid out along rows of plants. The tubing typically has emitters installed at regular intervals, which release water slowly and evenly.

Flat drip laterals are another type of tubing used in drip irrigation systems, specifically designed to deliver water efficiently to plants' root zones. Unlike round drip tubing, flat drip laterals have a flatter profile, making them particularly well-suited for certain agricultural and landscaping applications.

Features:- The flat shape of the tubing allows it to lay flush with the soil surface, which can be beneficial in various agricultural setups where minimal disruption to the soil is desired.





Online drip irrigation



An online drip irrigation system is a type of drip irrigation setup where individual emitters are attached to the mainline tubing at desired intervals, allowing precise control over water delivery to each plant. Unlike inline systems, where emitters are built into the tubing at fixed intervals, online systems offer greater flexibility and customisation, making them suitable for diverse agricultural, landscaping, and gardening needs.

Plains lateral (Mainline Tubing): This is the primary hose or pipe through which water is delivered. The mainline is typically made of polyethylene and can vary in diameter from 12 mm to 20mm depending on the size of the system.

Online Emitters: These are small devices attached to the mainline tubing at specific points. They control the flow rate of water to the plants. Online emitters can be placed exactly where needed, offering flexibility in watering plants with different water requirements.



We offer a comprehensive range of drip lines tailored to various farming needs, including filters, venturi fertilizer tanks, head unit, valves, and poly fittings in multiple sizes. Our goal is to provide efficient and customizable solutions for every farmer and crop.

Mini Sprinkler System

Mini sprinkler systems are a versatile and efficient solution for watering smaller areas, such as flower beds, vegetable gardens, and specific zones within larger landscapes. These systems provide precise and gentle water application, making them ideal for delicate plants and areas where controlled watering is essential.

Components of Mini Sprinkler Systems

- **Sprinkler Heads:** Mini sprinkler heads are available in various designs, including rotating, stationary, and oscillating models. They are designed to provide precise water distribution over small to medium-sized areas.
- **Micro Tubing:** Flexible micro tubing or hoses connect the sprinkler heads to the water source, allowing for easy installation and adjustments. These tubes are often available in various diameters and lengths to fit different setups.
- **Filters:** Filters are used to remove debris and contaminants from the water supply, preventing clogging and ensuring consistent performance of the mini sprinklers.



We provide a range of fittings and accessories for hassle-free installations, including various filters, head unit, pressure gauges, ARVs, PRVs, control valves, ventury, and 32mm fittings, as well as sturdy MS Rods (1.2 metres and 1.5 meters).

PVC Pipes

PVC (Polyvinyl Chloride) pipes are a popular choice in irrigation systems due to their durability, cost-effectiveness, and ease of installation. They are widely used in various applications, including residential, commercial, and agricultural irrigation.

APPLICATION OF PVC PIPES

- **Main Lines:** PVC pipes are commonly used for the main water lines in irrigation systems, transporting water from the source to various parts of the system.
- **Distribution Lines:** Used to distribute water to different sections of the irrigation system, ensuring even coverage and efficient water delivery.
- **Submain Lines:** PVC pipes are also used for submain lines that branch off from the main line to deliver water to specific areas of the field.
- **Sprinkler and Drip Systems:** PVC pipes connect components of sprinkler and drip irrigation systems, including emitters, valves, and sprinkler heads.



Benefits of UPVC Pipes

- **Strength and Lightness:** Sturdy yet easy to handle.
- **Leak-Proof:** Ensures a reliable and secure flow.
- **Easy Installation:** Hassle-free setup.
- **Low Maintenance/Cost-Effective:** Saving you time and money.
- **Non-Conductive:** Ideal for various applications.
- **Extra Flow:** Smooth inner surface ensures efficient flow.
- **One-Time Investment:** Years of savings and reliability.

UPVC Pipe Features:

Product Name: BHANDARI UPVC Pipe

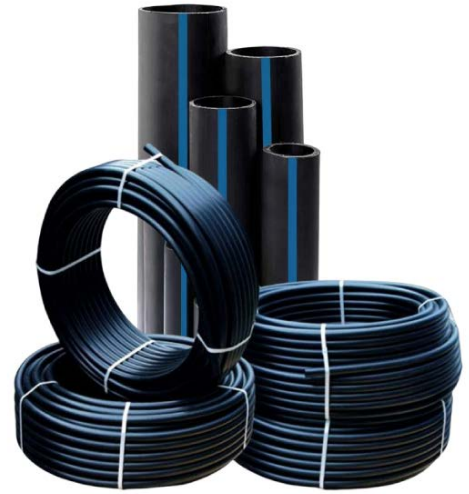
Range: 32mm to 250mm

Pressure: 2.5 kg/cm² to 8 kg/cm²

BIS Standard: IS: 4985

HDPE Pipes & Coils

HDPE pipes and coils” likely refer to “High-Density Polyethylene (HDPE)” pipes and coils, which are commonly used in various applications, including irrigation systems, water supply, and drainage systems. HDPE is a type of plastic known for its durability, flexibility, and resistance to corrosion, making it ideal for outdoor and underground use.



HDPE Pipe for Water Supply Features:

Product Name: SAGAR HDPE Coil

Range: 32mm to 180mm

BIS Standard: IS: 4984

Applications of HDPE Pipes and Coils

- **Irrigation Systems:** HDPE pipes are widely used in agricultural and landscape irrigation systems. Their flexibility and durability make them ideal for delivering water to crops, lawns, and gardens efficiently.
- **Water Supply:** HDPE pipes are commonly used for potable water supply lines, providing a safe and reliable method for transporting drinking water.
- **Drainage Systems:** The flexibility and strength of HDPE pipes make them suitable for stormwater and wastewater drainage systems, where they can handle high flow rates and resist clogging.
- **Cable Protection:** HDPE coils are also used to protect electrical and telecommunication cables, especially in underground installations.



Infrastructure

Our world-class infrastructure is the foundation of our ability to deliver exceptional quality and innovation. Combining cutting-edge technology with updated design and comprehensive support systems, our facilities are engineered to meet the highest global standards, including ISO certifications for quality management. Our facility is equipped with a full suite of modern testing equipment to ensure that every product meets the highest standards of quality and reliability. This includes precision measurement tools, stress testing machines, and environmental simulation chambers. Our infrastructure is designed with scalability in mind, providing ample space and resources for future growth, including the addition of new production lines and capabilities.





SHREE BHANDARI PLASTIC PVT. LTD.

AN ISO- 9001: 2015 Certified Company

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Our Network

Rajasthan, Madhya Pradesh, Uttar Pradesh
Haryana, Bihar, Chhattisgarh, Jharkhand, Uttarakhand
Himachal Pradesh, Maharashtra, Gujarat, Karnataka

