

India Plastic Pipes Market By Type (Polyvinyl Chloride Pipes, Polyethylene Pipes, Polypropylene Pipes), By End Use (Residential, Agricultural, Commercial, Industrial & Infrastructure), By Diameter (700mm), By Region, Competition Forecast & Opportunities, 2029

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Abstracts

India Plastic Pipes Market was valued at INR474.47 billion in 2023 and is expected to exhibit a 14.18% CAGR during the forecast period. The Indian government is making substantial investments in infrastructure development, leading to an increased demand for plastic pipes. These pipes are extensively used in various infrastructure projects, including water supply, sewerage, and gas distribution. India is actively focused on expanding its infrastructure to achieve its 2025 economic growth target of INR5 trillion. Moreover, under the Budget 2023-24, the capital investment outlay for infrastructure is being raised by 33% to INR10 lakh crore (USD122 billion), which would account for 3.3% of GDP and nearly three times the outlay in 2019-20. As the government continues to prioritize this target, the India Plastic Pipes Market is projected to experience a significant growth rate during the forecast period.

Plastic pipes, which are hollow cylinders made of plastic, are primarily used to transport various substances such as liquids, gases, slurries, powders, and small solids. They are also suitable for structural applications, as hollow pipes offer higher stiffness per unit weight compared to solid members.

The growth of India's infrastructure and construction activities is driving the market expansion. Ongoing infrastructure projects like roads, bridges, and buildings create substantial demand for plastic pipes in applications such as water supply, drainage, and irrigation. According to Piyush Goyal, the Union Minister of Commerce and Industry, India is poised to become the third-largest construction market in the next two to three

years. During the Real Estate Developers Association of India (CREDAI) National Investment Ceremony, Minister Goyal highlighted the crucial role played by the real estate sector in India's growth story, generating significant employment opportunities. He emphasized that the sector has demonstrated remarkable resilience in recent years due to the government's active support. Minister Goyal also emphasized the substantial business and job opportunities presented by the real estate sector, with a significant focus on infrastructure in the 2023 budget, including a Foreign Direct Investment (FDI) projection of nearly INR 10 trillion (USD 120 billion). Consequently, the demand for plastic pipes continues to grow, driven by the construction sector's high requirements. The market players can explore attractive opportunities in various infrastructure projects.

- In June 2022, the Minister of Road Transport and Highways inaugurated 15 national highway projects valued at INR 13,585 million (USD 1.7 billion) in Patna and Hajipur, Bihar.
- In October 2021, an agreement was signed between Dubai and the Government of India to develop infrastructure in Jammu and Kashmir, encompassing industrial parks, IT towers, multipurpose towers, logistics centers, medical colleges, and specialized hospitals.
- The Budget for 2023-2024 introduces an infrastructure finance secretariat aimed at enhancing private investment opportunities in infrastructure, including rail, road, urban infrastructure, and power, by facilitating increased private investment from all stakeholders.

Government Initiatives Towards Water Supply Helping the Market Growth

One of the primary drivers for the demand of plastic pipes in water supply applications is their excellent corrosion resistance. Unlike metal pipes, plastic pipes exhibit high resistance to corrosion, ensuring the long-term integrity of the water supply system. This corrosion resistance is particularly crucial in India, where aggressive water conditions can cause deterioration and compromise water quality in metal pipes. Plastic pipes also offer the advantage of being lightweight and easy to handle, making them more convenient for transportation and installation compared to heavier traditional materials like concrete and metal. This characteristic proves beneficial in remote or hard-to-reach areas, where ease of installation significantly reduces project costs and time.

The Indian government has undertaken significant investments in water supply

infrastructure, including dams, canals, and pipelines. Plastic pipes are extensively used in various water supply applications such as water mains, distribution pipes, and household connections. The rapid urbanization in India has created a heightened need for modern and efficient plumbing and water management systems, driving the demand for plastic pipes. Being one of the world's most populous countries, India faces substantial challenges in meeting the growing demand for clean and reliable water supply, especially in urban areas experiencing rapid population growth. Plastic pipes have emerged as the preferred choice for water supply systems due to their numerous advantages over traditional materials.

Furthermore, to ensure affordable, reliable, safe, and continuous (24 x 7) water supply to the Guwahati metropolitan area, the Government of Assam, with funding from the Government of India (JNNURM), has launched four major water supply projects. These projects are being implemented by the Guwahati Metropolitan Development Authority (GMDA) through Independent Project Management Consultants/Implementation Units (PMC/PIU), with the responsibility of operation and maintenance lying with the Guwahati Jal Board upon completion. The government's ongoing focus on improving water supply and sanitation infrastructure contributes significantly to the growth of the plastic pipes market. Initiatives such as the Jal Jeevan Mission, which aims to provide piped water supply to all households, create substantial demand for durable and reliable piping solutions. As a result, the demand for water supply projects in India is increasing, further driving the growth of the plastic pipes market. Plastic pipes are well-known for their smooth interior surfaces, which minimize friction and pressure loss, resulting in improved water flow efficiency. This factor contributes to the market's growth with a high compound annual growth rate (CAGR).

Increasing investment in the Plastic Manufacturing Plants

India, being a prominent hub of manufacturing plants, has witnessed remarkable growth in the India Plastic Pipe Market. The establishment of new plastic manufacturing plants is set to augment the supply of plastic pipes in the country. This surge in supply will effectively cater to the escalating demand, driven by the rapid infrastructure and construction activities, urbanization trends, and increasing disposable income. Consequently, the enhanced availability of plastic pipes is expected to result in reduced prices, making them more accessible and affordable to a wider consumer base. Notably, several manufacturing plants in India are experiencing substantial growth.:

Reliance Industries is setting up a new plastic manufacturing plant in Jamnagar, Gujarat. The plant is expected to be commissioned in 2024 and will have a

capacity of 1 million tons per annum.

Additionally, Bhansali Engineering Polymers is setting up a new plastic manufacturing plant in Surat, Gujarat. The plant is expected to be commissioned in 2023 and will have a capacity of 100,000 tons per annum.

Astral Poly Technik is setting up a new plastic manufacturing plant in Dahej, Gujarat. The plant is expected to be authorized in 2023 and will have a capacity of 25,000 tons per annum.

These are just a few of the new plastic manufacturing plants that are being set up in India. The plastic manufacturing industry in India is growing rapidly, and these new plants will help to meet the growing demand for plastic products.

Market Segmentation

The India Plastic Pipes Market is categorized by type, end use, diameter, region and competitive landscape. Type-wise, the market is classified into Polyvinyl Chloride Pipes, Polyethylene Pipes, Polypropylene Pipes. In terms of End Use, the market is segmented into Residential, Commercial, Agricultural, Industrial & Infrastructure. Diameter-wise, the market is divided into 700mm. Geographically, the market is segmented into the West, North, South, and East regions.

Market Players

Major market players in the India Plastic Pipes Market are Finolex Industries Limited, Ashirvad Pipes Private Limited, Prince Pipes and Fittings Ltd., Astral Limited, Kriti Industries (India) Limited, Supreme Industries Limited, Captain Pipes Ltd., Ori Plast Limited, Dutron Polymers Limited, and Kankai Pipes & Fittings Pvt. Ltd.

Report Scope:

In this report, the India Plastic Pipes Market has been segmented into following categories, in addition to the industry trends which have also been detailed below:

India Plastic Pipes Market, By Type:

Polyvinyl Chloride Pipes

Polyethylene Pipes

Polypropylene Pipes

India Plastic Pipes Market, By End Use:

Residential

Agricultural

Commercial

Industrial & Infrastructure

India Plastic Pipes Market, By Diameter:

700mm

India Plastic Pipes Market, By Region:

South

North

West

East

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the India Plastic Pipes Market.

Available Customizations:

India Plastic Pipes Market report with the given market data, Tech Sci Research offers customizations according to a company's specific needs. The following customization

India Plastic Pipes Market By Type (Polyvinyl Chloride Pipes, Polyethylene Pipes, Polypropylene Pipes), By End...

options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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