



COMPANY PROFILE

NARENDRA PLAST INDUSTRIES

(An Enterprise of Deshraj Group)

**Manufacturer of ISI marked HDPE pipes
(20mm to 400mm OD)**

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DESHRAJ GROUP

For almost two decades, Deshraj Group has been a leading business corporate having diverse business presence across North India. We have created an impressive track record of value creation in all our businesses that compares well with their respective industry peers. Our companies strive to bring the latest innovations and the best value offerings to all our consumers in our quest to deliver the best in class. "Quality product and services along with organized growth" works as the guiding principle behind every business at Deshraj group and keeps us committed to enhancing operational excellence through greater focus on innovation and efficient resource utilization. With most advance technologies and highly skilled workforce, Deshraj Group is growing in strength day by day.

This journey of a thousand miles began with a single step in 1999. With its ardent passion and a clear and focused vision, Deshraj Group has not only built and expanded new businesses but has built a formidable and exemplary position in all these businesses in a short span of time. Our group has grown a strong business network in India with presence across the entire value chain, developing and adopting new technologies to remain ahead of the growth curve.

Our companies are at an exciting juncture of their business journey, as they continue to expand their product offerings and explore new markets. Having attained respectable scales in most of its businesses, Deshraj Group is now pursuing the next level of growth. We are committed to adopt and develop new technologically advanced products to provide a wider range of offerings and a better experience to our consumers.

OUR BUSINESS ENTERPRISES

➤ Deshraj Udyog (DRU)

(Manufacturer of RCC pipes, SFRC manhole covers, Plastic coated footsteps and other allied RCC products.)

➤ Narendra Plast Industries (NPI)

(Manufacturer of HDPE pipes and fittings.)

➤ NKA Infracon Pvt. Ltd.

(Housing and Construction works)

➤ Deshraj Cable Industries (DCI)

(Manufacturer of LT Cables and Conductor)

OUR MAJOR ISI LICENSES.

- IS 458:2003 for RCC pipes.
- IS 12592:2002 for RCC Manhole covers with frame.
- Is 4984:1995 for HDPE pipes for water supply.
- IS 14333: 1996 for HDPE pipes for sewerage.
- IS 14255:1995 for LT ABC Cable.

Our Major Purchasers and Approvals in Government Depts.

- Greater Noida Authority
- Noida Authority
- Yamuna Expressway Authority
- U.P Awas Evam Vikas Parishad
- U.P Jal Nigam
- U.P Irrigation Department
- U.P Bridge Corporation Ltd.
- U.P Rajkia Nirman Nigam
- U.P P.W.D
- DVVNL
- PVVNL
- MVVNL
- PUVVNL
- KESCO
- UPCL
- BSES
- Tata Power
- Ghaziabad Development Authority.
- Meerut Development Authority
- Ganga Pollution Control Unit Haridwar.
- Gayatri Projects Ltd. (NH-58)
- NCRTC
- L & T construction Pvt. Ltd.



NARENDRA PLAST INDUSTRIES

We at Narendra Plast Industries provide a strong, durable and cost effective solution for Portable Water Supply and Sewerage in form of High Quality HDPE Pipes (High Density Polyethylene Pipes) manufactured from Virgin raw material on state of art manufacturing facilities.

Our Plant is fully integrated with a Quality Control Laboratory and highly skilled professionals, carrying stringent raw material and finished goods testing for achieving uncompromising quality, consistency & matching the specifications as laid in Indian Standards. We provide HDPE pipes and fittings in all material grade (PE 63, PE 80, PE 100) with various pressure Ratings as prescribed by Indian Standards.

NPI HDPE Pipes and Pipe Fittings are available in a vast range, whatever may be your application, we have the Piping System. Our Range of pipe sizes in HDPE starts from 20mm dia. to 400mm dia that can be installed on surface, buried, slip lined, trench less, floating and submerged. Fluids transported include, water, waste-water, compressed gases / air, odorous and corrosive gasses, chemicals and hazardous wastes / effluents. Solids conveyed include coal ash, slurries, sand and cables.

Whatever we manufacture we have aligned with conservation, Water & Energy conservation and nature protection with our products. To certify our environmental concern we have all the approvals from Pollution control Authorities.

We have been in pipe production since long and have perfected the extrusion and co-extrusion of the HDPE pipes with state of the art machines and down the line equipment to ensure quality and strict adherence to standards.

We manufacture HDPE pipes confirming to IS-4984:1995 and IS- 14333:1996. All pipe fittings are made available for quick-fit, compression jointing, butt-welding, electro-fusion welding and Sure-Loc® jointing systems.



WHY TO USE NPI'S HDPE PIPES ?

Pipes made from High Density Polyethylene (HDPE) is a cost effective answer for a number of piping problems in Metropolitan, Municipal, Industrial, Underwater, Mining, Landfill Gas extraction, Cable duct and agricultural applications. It has been tested and proven effective for underground, above ground, surface, under water as well as floating pipe applications.

High Density Polyethylene pipes can carry potable water, wastewater, slurries, chemicals, hazardous wastes, cables and compressed gases as well as oils. HDPE pipes have a long and successful service experience to the gas oil, mining and water utility industries. HDPE pipes have the lowest repair frequency per Kilometer of pipe per year compared with all other pipe materials used for urban water and gas distribution.

NPI's HDPE pipes are strong, extremely tough and long lasting and will meet all your requirements of long service, trouble-free installation, flexibility, resistance to corrosion and chemicals.



ADVANTAGES OF NPI'S HDPE PIPES

- PE Pipe is joined by a heat fusion process that forms joints that are leak-free. This design eliminates the potential leak points every 20 feet which can occur with PVC & ductile iron pipe.
- PE pipe is nonconductive polymer & does not rust or corrode, assuring long service & effective use of municipal dollars.
- PE is the safest, most environmentally friendly pipe material. The application of PE pipe for water distribution results in energy efficiency through reduced electric consumption. Using less energy results in a lower carbon footprint, & PE's jointless fusion technology means it never releases toxins from sewage into the ground or potable water supply.
- Due to PE's flexibility & jointless construction, installation costs are lower compared to other types of pipe. In addition, PE does not leak, which reduces repairs & maintenance costs simultaneously.
- PE is the number one choice for trenchless installations which reduce restoration & roadway reconstruction costs, & allows for installation under rivers & lakes with less disruption to the environment.
- PE pipe's outstanding performance means that consumers get the very best, cleanest water around.
- Other pipes leak, which means more electricity, is needed to process & pump additional water into households. With PE pipe, there is no leakage. Therefore, less electricity is needed, which means consumers save on rising utility costs.
- PE is lightweight & does not require the use of heavy lifting equipment for installation. It reduces the need for fittings, is excellent in shifting soils & performs well in earthquake-prone areas. The pipe's flexibility solves many unique problems that cannot be fixed with rigid concrete, PVC or ductile iron pipe.

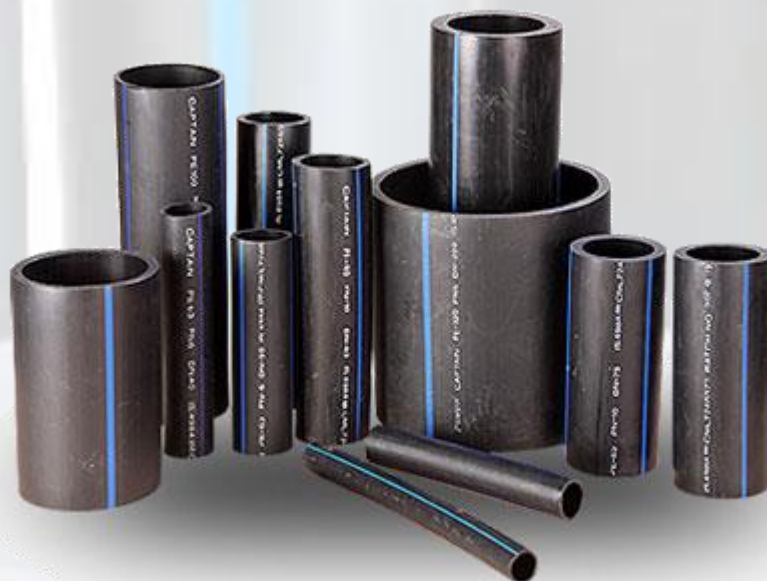
NPI'S PRODUCT RANGE

We at Narendra Plast Industries are specialized at manufacturing varied sizes of HDPE pipes with best quality and performance suitable for both fresh water and waste water supply. Our state-of-art manufacturing facility with highly sophisticated machinery and expert work force has enabled us to provide high durability and accuracy to meet our client's specification. We conduct mandatory and regular checkups of the raw material to assure our clients about the superior quality of the products.

Our range of product includes:

1. Material Grade : PE 100, PE 80, PE 63.
2. Sizes (Outer Dia) : DN 20 to DN 400
3. Pressure Rating : PN 2.5 to PN 20

These are manufactured as per Indian Standard IS: 4984:1995 (For Portable Water Supply) and IS 14333:1996 (For Waste Water supply).



OUR PLANT & MACHINERY

Sl. No.	Machinery	Make	Capacity
1	HDPE Pipe Single Screw Extrusion Plant Model WHD-60 Speed Series with complete downstream. a) Jockey Extruder LX-18 b) Complete Die Set 110 to 400mm c) Vacuum Sizing d) Spray Bath e) Tube Traction Unit f) Planetary Cutter	Windsor	500-550 kg/hr (For Sizing 110 mm to 450mm)
2	HDPE pipe Single Screw Extrusion Plant Monos 45 with complete downstream. a) Jockey Extrude b) Complete Die Set 20 to 160mm c) Vacuum Sizing d) Spray Bath e) Tube Traction Unit f) Horizontal Cutter	Kabra	300 to 330 kg/hr (For Sizing 20mm to 160mm)
3	Hopper, Loader, Dryer	NU-VU Conair Pvt. Ltd.	Various Ratings
4	EPC System for Weight accuracy	NU-VU Conair Pvt. Ltd.	With accuracy upto 0.01kg/mtr
5	Hot embossing printing machine	K.S. Machine Techniks Pvt. Ltd.	For 20mm to 450mm
6	Air compressor	Egli TS-10	220Ltrs, 12kg/cm ² (2 nos)
7	Water Cooled water chiller	Reynold India Pvt. Ltd.	60TR + 40 TR
8	Cooling Tower	Reynold India Pvt. Ltd.	100TR + 60TR
9	D. G. Set	Jackson/Cummins	500KVA
10	High End Electrification (VCB, TPMS, Servo, capacitor Controlled PF stabilizer, Transformers etc.)	Various Make (including L&T, ABC Transformers, Mordern Transformers etc)	Upto 630 KVA

OUR LABORATORY TESTING EQUIPMENTS

(As per Indian Standards)

S. No.	Instrument to be calibrated	Range	Least Count	Valid Calibration	Test used in with Clause Ref.
1	Hot Air Oven	0-150 °C	0.1 °C	Yes	Reversion Test (8.2)
2	Carbon Black Content (Muffle Furnace)	0-900 °C	1 °C	Yes	Carbon Black Content (8.6)
3	Hot Plate	0-300 °C	0.1 °C	Yes	Overall Migration Test (8.3) Carbon Black Dispersion(8.6)
4	Melt Flow Index	0-250 °C	0.1 °C	Yes	Melt Flow Rate (8.5)
		0-60 min	1 sec		
5	Carbon Black Dispersion (Projection Microscope)	Magnification (1 : 200)	±5%	Yes	Carbon Black Dispersion(8.6)
6	Analytical Balance	0-200 gm	0.1 mg	Yes	Density Test (8.4)
7	Hydraulic Mould Press	0-250 °C	0.1 °C	Yes	Density Test (4.1)
		0-25 Ton	0.2 Ton	Yes	
8	Hot Water Bath	0-100 °C	0.1 °C	Yes	Internal Pressure Creep Rupture test (8.1)
9	Internal pressure creep rupture test equipment with 4 stations and digital pressure guage.	0-20 kg/cm ²	0.01 kg/cm ²	Yes	Internal Pressure Creep Rupture test (8.1)
		0-20 kg/cm ²	0.01 kg/cm ²	Yes	
		0-60 kg/cm ²	0.01 kg/cm ²	Yes	
		0-60 kg/cm ²	0.01 kg/cm ²	Yes	
10	Ball Point Micrometer	0-25mm	0.01mm	Yes	Thickness measurement (6.2)
11	Vernier Calliper	0-300mm	0.02mm	Yes	Dimension (6)
12	Pi Tape	Dia : 20-300mm Dia: 300-630mm	0.1 mm	Yes	Outer Diameter (6.1)
13	Measuring Scale	0-1000mm	0.5mm	Yes	Dimension (6)
14	Measuring Tape	0-15000mm	1mm	Yes	Length (6.4)
15	Testing Heads	110mm to 400mm	±5%	Yes	Internal Pressure Creep Rupture test (8.1)