NANDHA PIPES
Private Limited

COMMITTED TO QUALITY

STRONGER MATERIALS
FOR A BETTER RESULT

PIPES | PIPE FITTINGS | VALVES | INDUSTRIAL PRODUCTS

COMPANY INTRODUCTION

Nandha Pipes is a leading manufacturer of plastic pipes, fittings, and valves. We offer a wide range of products for a variety of industries, including chemicals, pharmaceuticals, food and beverage, agriculture, and government projects. Our products are known for their quality and reliability.

QUALITY SYSTEM & QUALITY CONTROL

Nandha Pipes Pvt Ltd is committed to providing the highest quality products and services to our customers. We have a rigorous quality assurance system in place to ensure that our products meet all industry standards. We also stringently check our products at each stage of the production process, as well as after production.

We understand the importance of meeting the needs of our customers, both now and in the future. We maintain close relationships with our customers to understand their exact requirements, and we are constantly looking for ways to improve our products and services.

SUPPORT & INFRASTRUCTURE

Nandha Pipes has a sophisticated infrastructure that enables us to meet the exact requirements and standards of the industry. Our infrastructure is supported by highly experienced professionals and the latest technologies. This allows us to maintain our competitive edge in the market.

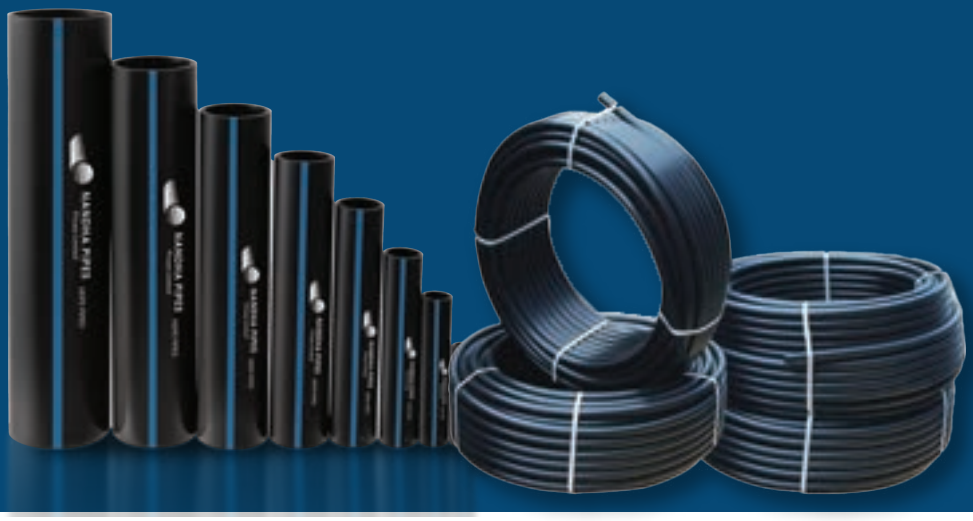
OUR CLIENTS

Nandha Pipes has a large and growing customer base in India and around the world. We are a leading supplier to many chemical and pharmaceutical companies because we offer high-quality products at competitive prices and we are committed to helping our customers succeed. Nandha Pipes dealers are located all over India.

INDEX

मानकः पथप्रदर्शकः
Bureau of Indian Standards

BIS No. : CM/L-6200192918



PIPES

HDPE PIPES

Nandha Pipes is a prominent manufacturer, exporter, and supplier of HDPE pipes from India. Our HDPE pipes are made from high-density polyethylene, which ensures their flawless performance and long service life. These pipes are widely used for carrying potable water, hazardous waste, wastewater, cables, chemicals, compressed gas, and oils

Manufacturing Range : 20 mm OD to 400 mm OD
Grade : PE 63, PE-80, PE-100
Standards : IS 4984-2016, ISO-4427
Pressure Rating : PN-2.5 to PN-10

MDPE PIPES

Nandha Pipes is a leading manufacturer of medium-density polyethylene (MDPE) pipes for drinking water and house tap connections. Our MDPE pipes are made from high-quality materials and meet all relevant standards. We offer a wide range of sizes and grades to meet the needs of our customers.

Manufacturing Range : 20 mm OD to 50 mm OD
Grade : PE-80, SDR-9, SDR-11
Standards : ISO-4427
Pressure Rating : PN-10 to PN-16

PPRC PIPES

Manufacturing Range : 20 mm OD to 400 mm OD
Grade : SDR-7.4 TO 11
Standards : IS 15801:2008, ISO:8077/78
: PN-10 TO PN-16

Nandha Pipes has a long history of developing and manufacturing industrial piping solutions for a variety of applications. Our pipes are used to transport chemicals, water, air, and other fluids in a safe and efficient manner. We offer a wide range of products to meet the needs of our customers, no matter what their industry or application..

PP PIPES

Nandha Pipes is a manufacturer, exporter, and supplier of polypropylene (PP) pipes from India. PP is a semi-rigid, translucent polymer with good toughness and weather resistance properties. It has low water absorption and can be easily molded into desired shapes. PP is a largely non-polar, partially crystalline thermoplastic with a crystallinity of 60 to 70% and a density of 0.90 to 0.91 g/cm3, which is among the lowest for all plastics.

Nandha Pipes offers a wide range of PP pipes in different sizes and grades to meet the needs of our customers. Our PP pipes are known for their high thermal resistance, which makes them less vulnerable to weathering, and their high-stress crack resistance, which prevents the growth of cracks. Our PP pipes are manufactured in accordance with ISO-8077/78 standards.

PVDF PIPES

Nandha Pipes is a leading manufacturer of polyvinylidene fluoride (PVDF) pipes. PVDF is a tough engineering thermoplastic that offers a unique balance of performance properties. It has high resistance to chemical attacks, exceptional outdoor weather resistance, mechanical strength and toughness, and a very smooth surface with high abrasion resistance..

- PVDF pipes are widely used in a variety of applications, including:
- Corrosion protection in the chemical industry
- Handling bromine, specialty chemicals, insecticides, and chloralkali High-purity applications in the sugar industry, paper and pulp industry, and phosphoric acid, chromic acid, nitric acid, and sulfuric acid

Nandha Pipes offers a wide range of PVDF pipes in sizes from 20 mm OD to 160 mm OD.

PPH PIPES

Nandha Pipes manufactures PPH pipes, which are made from polypropylene homopolymer. PPH pipes have high mechanical strength, high impact strength, and are resistant to stress cracking and easy to weld. They also have high thermal and stress crack resistance and are non-toxic and food-grade. PPH pipes have excellent chemical resistance and a working temperature range of +5°C to 100°C

Nandha Pipes PPH pipes are widely used in a variety of applications, including:

- Metallurgy plants
- Chemical industry
- Fluorochemical industry
- Phosphoric acid plants
- Steel plants
- Chemical waste treatment plants
- Oil manufacturing plants
- Pickling lines
- Textile industry

Nandha Pipes offers a wide range of PPH pipes in sizes from 20 mm OD to 400 mm OD. All Nandha Pipes PPH pipes meet the DIN-8077/78 standards.

HDPE FITTINGS

Short Neck Stub End
Mfg Range : 20 mm
OD to 630 mm OD

Long Neck Stub End
Mfg Range : 20 mm
OD to 630 mm OD

Slip-on Flange D
Mfg Range : 20 mm
OD to 630 mm OD

Blind Flange
Mfg Range : 20 mm
OD to 630 mm OD

Sandwich Flange
Mfg Range : 31 mm
OD to 315 mm OD

Paddle Flange
Mfg Range : 75 mm
OD to 315 mm OD

Weld Neck Flange
Mfg Range : 75 mm
OD to 200 mm OD

Bend (6 Kg. & 10 Kg.)
Mfg Range : 20 mm
OD to 160 mm OD

Tee (6 Kg. & 10 Kg.)
Mfg Range : 20 mm
OD to 160 mm OD

Reducer
Mfg Range : 32 mm
OD to 315 mm OD

End Cap
Mfg Range : 63 mm
OD to 450 mm OD

Tail Piece
Mfg Range : 32 mm
OD to 160 mm OD

Tail Peace With Flange
Mfg Range : 32mm
OD to 110 mm OD

ELECTROFUSION FITTINGS

Electrofusion Tee
Mfg Range : 50 mm OD to 200 mm OD
IN KIT: 225 mm OD to 315 mm OD

Electrofusion Elbow 90°
Mfg Range : 50 mm OD to 200 mm OD
IN KIT: 225 mm OD to 315 mm OD

Electrofusion Coupler
Mfg Range : 20 mm OD to 315 mm OD

Electrofusion End Cap
Mfg Range : 63 mm OD to 110 mm OD
IN KIT: 125 mm OD to 315 mm OD

Electrofusion Elbow 45°
Mfg Range : 32 mm OD to 110 mm OD
IN KIT: 125 mm OD to 315 mm OD

Stub End (180 mm Long)
Mfg Range : 32 mm OD to 315 mm OD

Electrofusion Tapping Tee
Mfg Range : 63 mm OD to 160 mm OD

Electrofusion Saddle
Mfg Range : 63 mm OD to 160 mm OD

Electrofusion Reducer
Mfg Range : 63 mm OD to 110 mm OD
IN KIT: 125 mm OD to 315 mm OD

SPIGOT FITTINGS

Spigot End Cap
Mfg Range : 20 mm OD to 315 mm OD

Bend (Spigot Type) (6 Kg. & 10 Kg.)
Mfg Range : 20 mm OD to 315 mm OD

TEE (Spigot Type) (6 Kg. & 10 Kg.)
Mfg Range : 20 mm OD to 315 mm OD

Sandwich Flange
Mfg Range : 20 mm OD to 315 mm OD

Spigot Reducing Tee
Mfg Range : 63 mm OD to 315 mm OD

Spigot Elbow 45 Degree
Mfg Range : 20 mm OD to 315 mm OD

Reducer (Spigot Type
Mfg Range : 20 mm OD to 315 mm OD

PPH FITTINGS

Short Neck Stub
Mfg Range : 20 mm OD to 400mm OD

Long Neck Stub End
Mfg Range : 20 mm OD to 400mm OD

Slip-on Flange
Mfg Range : 20 mm OD to 400mm OD

Blind Flange
Mfg Range : 20 mm OD to 400mm OD

Bend Socket Weld (6 Kg. & 10 Kg.)
Mfg Range : 20 mm OD to 160mm OD

Tee Socket Weld (6 Kg. & 10 Kg.)
Mfg Range : 20 mm OD to 160mm OD

Bend (Spigot Type) (6 Kg. & 10 Kg.)
Mfg Range : 63 mm OD to 315mm OD

Tee (Spigot Type) (6 Kg. & 10)
Mfg Range : 63 mm OD to 315mm OD

Reducing Tee (Socket & But weld)
Mfg Range : 32 mm OD to 315mm OD

Reducer (Socket & But weld)
Mfg Range : 20 mm OD to 400mm OD

End cap (Socket & But weld)
Mfg Range : 20 mm OD to 400mm OD

Tail Piece
Mfg Range : 32 mm OD to 315mm OD

Core Flange
Mfg Range : 32 mm OD to 160mm OD

PPH Sandwich Flange
Mfg Range : 20mm OD to 315mm OD

PPH Coupler
Mfg Range : 20mm OD to 160mm OD

PPH Union
Mfg Range : 20mm OD to 63mm OD

PPRC FITTINGS

Bend (90 Degree)
Mfg Range : 20mm OD to 160mm OD

Bend (45 Degree)
Mfg Range : 20mm OD to 160mm OD

Tee
Mfg Range : 20mm OD to 160mm OD

Coupler
Mfg Range : 20mm OD to 160mm OD

Slip On Flange
Mfg Range : 20mm OD to 400mm OD

Core Flange (LN)
Mfg Range : 20mm OD to 160mm OD

Reducer
Mfg Range : 20mm OD to 160mm OD

Reducing Tee
Mfg Range : 20mm OD to 160mm OD

Ball Valves
Mfg Range : 1/2" to 2%"

Union
Mfg Range : 20 mm OD to 63 mm OD

End Cup
Mfg Range : 20 mm OD to 160 mm OD

Ms Powder Coated Flange
Mfg Range : 20 mm OD to 160 mm OD

Spigot Elbow
Mfg Range : 63 mm OD to 315 mm OD

Spigot Tee
Mfg Range : 63 mm OD to 315 mm OD

Long Neck
Mfg Range : 125 mm OD to 400 mm OD

Welding Machine Die
Mfg Range : 20 mm OD to 160 mm OD

PPRC FITTINGS

Female Thread
Mfg Range : 20 mm OD to 32 mm OD

male Thread Elbow
Mfg Range : 20 mm OD to 32 mm OD

Female Thread Elbow
Mfg Range : 20 mm OD to 32 mm OD

Female Thread Adopter
Mfg Range : 20 mm OD to 63 mm OD

Female Thread Tee
Mfg Range : 20 mm OD to 32 mm OD

Female Thread Adopter
Mfg Range : 20 mm OD to 63 mm OD

PP FITTINGS

Short Neck Stub End
Mfg Range : 20mm OD to 500mm OD

Long Neck Stub End
Mfg Range : 20mm OD to 500mm OD

Slip-on Flange
Mfg Range : 20mm OD to 630mm OD

Blind Flange
Mfg Range : 20mm OD to 630mm OD

Threaded Flange
Mfg Range : 20mm OD to 315mm OD

Bend
Mfg Range : 20mm OD to 160mm OD

Tee (6 Kg. & 10 Kg.)
Mfg Range : 20mm OD to 160mm OD

Bend (Spigot Type) (6 Kg. & 10 Kg.)
Mfg Range : 63mm OD to 315mm OD

Tee (Spigot Type) (6 Kg. & 10 Kg.)
Mfg Range : 63mm OD to 315mm OD

Tail Piece Flanged
Mfg Range : 32mm OD to 315mm OD

Reducer
Mfg Range : 20mm OD to 630mm OD

End Cap
Mfg Range : 63mm OD to 400mm OD

Tail Piece
Mfg Range : 32mm OD to 315mm OD

Socket (Threaded)
Mfg Range : 20mm OD to 63mm OD

Socket Bend (Threaded)
Mfg Range : 20mm OD to 63mm OD

Socket Tee (Plain)
Mfg Range : 20mm OD to 63mm OD

PVDF FITTINGS

Bend (90 Degree)
Mfg Range : 20mm OD to 160mm OD

Bend (45 Degree)
Mfg Range : 20mm OD to 160mm OD

Tee
Mfg Range : 20mm OD to 160mm OD

Coupler
Mfg Range : 20mm OD to 160mm OD

Slip On Flange
Mfg Range : 20mm OD to 160mm OD

Core Flange (LN)
Mfg Range : 20mm OD to 160mm OD

Reducer (Socket & But weld)
Mfg Range : 20mm OD to 160mm OD

Union
Mfg Range : 20mm to 63mm

Buttweld Elbow
Mfg Range: 1/2" to 1"

Buttweld Tee
Mfg Range: 1/2" to 1"

Blind Flange
Mfg Range : 20mm to 160mm

End Cup (Socket & But weld)
Mfg Range : 20mm to 160mm

Core Flange Socket
Mfg Range : 20mm OD to 160mm OD

COMPRESSION FITTINGS

Coupler
Mfg Range : 20 mm OD

Compression Elbow
Mfg Range : 20 mm OD

Elbow FTA
Mfg Range : 20 mm OD

Elbow MTA
Mfg Range : 20 mm OD

FTA
Mfg Range : 20 mm OD

ELBOW
Mfg Range : 20 mm OD

MTA
Mfg Range : 20 mm OD

End Cap
Mfg Range : 20 mm OD

Blue Service Saddle
Mfg Range: 63 mm OD to 160 mm OD

Brass Ferrul
15 mm OD to 25 mm OD

Flow Control Vale
Flow Control Vale

VALVES

Ball Valves Flanged End
Manufacturing Range: 1/2" to 12"
M.O.C: PP/ISO PP/HDPE/PPH/PVDF

Ball Valves Screw End
Manufacturing Range: 1/2" to 4"
M.O.C.: PP/ISO PP/PPH/PVDF

HDPE Ball Valves
Manufacturing Range: 1/2" to 12"
M.O.C.: HDPE

Sight Glass
Manufacturing Range: 1/2" to 12"
M.O.C.: PP/150 PP/PPH/PVDF

Foot Valves Flanged End
Manufacturing Range: 1" to 12"
M.O.C.: PP/ 150 PP/PPH/PVDF

Foot Valves Screw End
Manufacturing Range: 1" to 4"
M.O.C.: PP/ISO PP/PPH/PVDF

Ball NRV Flanged Endalves Flanged End
Manufacturing Range: 1" to 12"
M.O.C.: PP/ISO PP/PPH/PVDF

NRV Screw End
Manufacturing Range: 1" to 4"
M.O.C.: PP/150 PP/PPH/PVDF

Diaphragm Valves Flanged End
Manufacturing Range: 1" to 6"
M.O.C.: PP/ISO PP/PPH/PVDF

Diaphragm Valves Screw End
Manufacturing Range: 1" to 2"
M.O.C.: PP/ 150 PP/PPH/PVDF

Butter Fly Valves- Manual Operated
Manufacturing Range: 2" to 8"
M.O.C.: PP/ISO PP/PPH/PVDF

Butter-fly Valves - Gear Operated
Manufacturing Range: 2" to 16"
M.O.C.: PP/ISO PP/PPH/PVDF

Strainer (Y Type) Flanged End
Manufacturing Range: 1/2" to 6"
M.O.C.: PP/150 PP/PPH/PVDF

Strainer (Y Type) Screw
Manufacturing Range: 1/2" to 16"
M.O.C.: PP/ISO PP/PPH/PVDF

Striner (Basket Type
Manufacturing Range: 1½" to 6"
M.O.C.: PP

Damper Valves Flanged End
Manufacturing Range: 4" to 12"
M.O.C.: PP

ENGINEERING ITEMS

Scoop
M.O.C.: PP

Scrapper (Big)
M.O.C.: PP

Scrapper (Small)
M.O.C.: PP

Impeller
Mfg Range: 16 x 32 x 1 1/4"
M.O.C.: PP

Poll Ring
Mfg Range: 1", 1", 2", 3"
M.O.C.: ISO PP

Drain Trap
Mfg Range: 4"
M.O.C.: HDPE

PP Tray
Mfg Range:16" x 32" 1", 400 x 335 x 40,
600 x 335x40, 800 x 325 x 900 x
335 x 40, 960 x 335 x 40

Threaded Nipple
Mfg Range: 20 mm OD to 63 mm OD
M.O.C.: PP

Hose Nipple
Mfg Range: 1" to 4"
M.O.C.: PP

Hex Nipple
Mfg Range: 20 mm OD to 90 mm OD
M.O.C.: PP

Tail Piece Flanged
Mfg Range: 32 mm OD to 110 mm OD
M.O.C.: HDPE

PP Laboratory sink
Mfg Range: 600mm X 450mm X 300 mm,
560mm x 355mm x 245mm.
340mm x 340mm x 220mm

Oval Sink (S)
Mfg Range: 6" X 3", 9" X 3"

Bottle Trap

Tank Joint Chakki

WELDING PROCESS

BUTT FUSION

BUTT FUSION : Butt fusion is a process for joining two plastic pipes together by heating the ends of the pipes and then pressing them together. This creates a strong joint that is as strong or stronger than the pipes themselves. The joint is ready to use as soon as it cools down.

To make a butt fusion joint, you will need to:

Securely fasten the pipes in place.

2) Face the ends of the pipes evenly.
3) Align the pipes so that they are perfectly straight.
4) Heat the ends of the pipes until they are melted.
5) Press the pipes until they are fused together
6) Hold the pipes under pressure until they cool down.

SOCKET FUSION

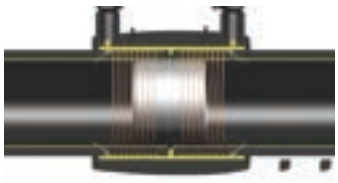
SOCKET FUSION : Socket fusion is a process for joining two plastic pipes together by heating the ends of the pipes and then pressing them together. This creates a strong joint that is as strong or stronger than the pipes themselves. The joint is ready to use as soon as it cools down..

To make a butt fusion joint, you will need to:

Select the appropriate equipment..

2) Square and prepare the ends of the pipes
3) Align the pipes so that they are perfectly straight.
4) Heat the ends of the pipes until they are melted.
5) Press the pipes together until they are fused together.
6) Hold the pipes in place until they cool down

ELECTRO-FUSION WELDING PROCESS



HOW DOES ELECTRO FUSION WORKS:

Electrofusion welding is a process that uses an electric current to melt the plastic surfaces of two pipes together, creating a strong and reliable joint. It is a popular method for joining pipes in a variety of industries

Steps:

The welding parameters are scanned from a barcode on the fitting.

2) An electric current is applied to a coil in the fitting, heating the surrounding plastic.
3) he melted plastic flows and mixes with the melted plastic from the pipe, creating a strong bond.
4) he heating cycle is completed, and the joint is allowed to cool and solidify.

APPLICATIONS

PHARMACEUTICALS

AGRICULTURE

CHEMICAL & FERTILIZER

WATER TREATMENT

OIL & GAS

DRAINAGE & PLUMBING

APPROVED VENDORS FOR

Har Ghar Jal
Jal Jeevan Mission

Karnataka Urban Water Supply & Drainage Board

भारतीय मानक ब्यूरो
BUREAU OF INDIAN STANDARDS

मानक चिह्न के उपयोग के लिए अनुज्ञप्ति
Licence for the use of STANDARD MARK

लाइसेंस सं. सीएम/एल
Licence No. CM/L- 6200192918

यह ब्यूरो, भारतीय मानक ब्यूरो अधिनियम, 2016 (2016 का 11) द्वारा प्रदत्त शक्तियों के आधार पर

नन्ध पिपेस प्रिवते लिमितेद
नो.३४५, ३४६ किअद्ब , न्ह३७३, शन्थिग्रम ग्रोव्थ एन्तेर इन्दुस्त्रिअल अरेअ, , हसन ग्रोव्थ एन्तेर, शन्थिग्रम

को (जिसे इसमें आगे 'अनुज्ञप्तिधारी' कहा गया है) इसकी प्रथम अनुसूची के पहले स्तंभ में विनिर्दिष्ट मानक चिन्ह का इस अनुसूची के तीसरे स्तंभ में दी गई किस्मो पर, उपयोग करने के लिए अनुज्ञप्ति प्रदान करता है | इन उत्पादित क़िस्मो पर चिन्ह का उपयोग उक्त अनुसूची के द्वितीय स्तंभ में समय-समय पर संशोधित अथवा पुनरीक्षित/संदर्भित संबंध भारतीय मानक (मानकों) के अनुसार/अनुरूप विनिर्मित हो ।

By virtue of the power conferred on it by the BUREAU OF INDIAN STANDARDS ACT, 2016 (11 of 2016) the BUREAU hereby grants to

NANDHA PIPES PRIVATE LIMITED
NO.345, 346 KIADB , NH373, Shanthigrama Growth center industrial area, , Hasan Growth center, SHANTHIGRAMA, - 573201, Karnataka, India

(hereinafter called the Licensee) this licence to use the Standard Mark set out in the first column of the Schedule hereto, upon or in respect of the varieties set out in the third column of the said Schedule which is manufactured in accordance with/conforms to the related Indian Standard(s) referred to in the second column of the said Schedule as from time to time amended or revised.

2.इस अनुज्ञप्ति में अनुबंद अनुज्ञप्ति की शर्तो के लिए अनुज्ञप्तिधारी उत्तरदायी हैं। यह अनुज्ञप्ति पहली अनुसूची में यथा-उल्लिखित नाम, कारखाना के पते और अवधि के लिए विधिमान्य होगा और इसे स्कीम-I में निर्दिष्टानुसार नवीकृत कराया जा सकता है।

2. This licence carries the obligations on the part of licence as condition of licence which are given in Annexure attached herewith.The licence shall be valid for the name,factory address and period as mentioned in the schedule and may be renewed as specified in the scheme-I

अनुसूची

SCHEDULE

लाइसेंस सं. सीएम/एल
LICENCE NO. CM/L - 6200192918

नाम : नन्ध पिपेस प्रिवते लिमितेद

फैक्ट्री एड्रेस : नो.३४५, ३४६ किअद्ब , न्ह३७३, शन्थिग्रम ग्रोव्थ एन्तेर इन्दुस्त्रिअल अरेअ, , हसन ग्रोव्थ एन्तेर, शन्थिग्रम

विधिमान्यता : अट्ठाइस अक्टूबर दो हज़ार तेइस से सताइस अक्टूबर दो हज़ार चौबीस

Name : NANDHA PIPES PRIVATE LIMITED

Factory Address : NO.345, 346 KIADB , NH373, Shanthigrama Growth center industrial area, , Hasan Growth center, SHANTHIGRAMA, - 573201, Karnataka, India

Validity :From Twenty Eighth October Two Thousand Twenty Three to Twenty Seventh October Two Thousand Twenty Four

मानक चिह्न STANDARD MARK	भारतीय मानक INDIAN STANDARD(S)	अनुज्ञप्ति का विषय क्षेत्र SCOPE OF LICENCE	चिह्नांकन शुल्क MARKING FEE
(1)	(2)	(3)	(4)
IS 4984 CM/L-6200192918	IS 4984 : 2016 POLYETHYLENE PIPES FOR WATER SUPPLY	PE100 PN10 DN180 SDR13.6/ PE100 PN6 DN180 SDR21 / PE100 PN5 DN180 SDR26 / PE100 PN12.5 DN110 SDR11/ PE100 PN8 DN180 SDR17	- इकाई: - - Unit: - एक प्रचालन वर्ष के लिए न्यूनतम चिह्नांकन शुल्क अग्रिम में देय होगी जो अगले नवीकरण में अग्रनीत होगी। Minimum marking fee for one operative year payable in advance which will be carried over to next renewal(s)

आज अट्ठाइस अक्टूबर दो हज़ार तेइस को हस्ताक्षरित तथा मोहरबंद किया गया।
Signed,Sealed and Dated this Twenty Eighth October Two Thousand Twenty Three .

कृते भारतीय मानक ब्यूरो
for BUREAU OF INDIAN STANDARDS

हस्ताक्षर/Signature : Narender Reddy Beesu
पदनामित प्राधिकारी का नाम/Name of Designated Authority : SCIENTIST-D

For any other communication

Address:	Bengaluru Branch Office-Peenya Industrial Area, 1st Stage, Bangaluru - Tumkur Road, Banglore, BANGALORE RURAL,KARNATAKA,560058
Phone:	080-28394955, 28394956 , 28396324
Fax:	08028398841
E-Mail:	bnbo@bis.gov.in
Web:	www.bis.org.in, www.manakonline.in

Our Ref :BNBO/CM/L 6200192918

Dated: 11-11-2023

Subject: Grant of BIS Certification Marks Licence No 6200192918 as per IS 4984:2016.

M/S NANDHA PIPES PRIVATE LIMITED
NO.345, 346 KIADB , NH373, Shanthigrama Growth center industrial area, ,Hasan Growth center,SHANTHIGRAMA,HASSAN,KARNATAKA,INDIA 573201

Dear Madams(s)/Sir,

With reference to your application, we are pleased to inform you that the Certification Marks Licence has been granted to you to use the Standard Mark in respect of the followings:

high density polyethylene pipes for potable water supplies

Product:-

Grade/Class/Type/Variety
PE100 PN10 DN180 SDR13.6
PE100 PN6 DN180SDR21
PE100 PN5 DN180 SDR26
PE100 PN8 DN180 SDR17

1. The licence is granted on the explicit condition that you will mark entire/substantial production which conforms to the Indian Standards.

2.The number assigned to this licence is CM/L- 6200192918 which has been made operative from 2023-10-28 and is valid upto 2024-10-27. The licence number should invariably be referred to in your future correspondence.

According to sub-regulation (1) &(3) of Paragraph 5 of scheme I of Schedule II under Bureau of Indian Standards (Conformity of Assessment) Regulation, 2018, the annual licence fee of Rs. 1000.00 and the marking fee for use of standard mark as per Annexure-I of Scheme I of BIS(Conformity assessment) Regulation 2018 is payable by you with effect from 2023-10-28 for the period of validity of the licence licence in advance.

3. Minimum marking fee stipulated in Annexure -I of scheme I of BIS (Conformity Assessment) Regulation 2018 is payable by you regardless of the whether you actually mark your product or not with the Standard Mark.**Our Receipt No.** AA62PC2023001204 dated 2023-10-09 for the licence fee and the minimum marking fee for the first operative period is already *issued/enclosed/being sent separately.

4. This advance minimum marking fee will be carried over to the next year on every renewal. The actual marking fee

calculated on the unit rate on the production marked or the minimum marking fee, whichever is higher shall be payable by you at the time of renewal.

5.With a view to streamlining the reporting of quantity marked, calculation and collection of marking fee on the unit rate basis, fees will be calculated on the production marked during the first nine months of operation of the licence at the time of first renewal, and on the production marked during twelve months comprising the last three months of the previous operative year and the first nine months of the current operative year, at the time of the second and subsequent renewals. In case the licence expires, the entire production marked till the expiry date shall be taken into account for calculating the marking fee payable.

6.The Scheme of Testing and Inspection submitted by you and agrred by BIS or the Scheme of Testing and Inspection as specified by BIS will have to be implemented by your organization strictly and completely. This supervision of the operation of the Scheme shall be done by a person responsible for the quality control function in your organization. Kindly inform us the name and designation of the person who will be held responsible for the operation and maintenance of the Scheme. Any future change in this respect will have to be communicated by you to us as and when these take place.

7.We are enclosing a sheet giving the preferred dimensions of the Standard Mark to enable you to prepare the designs of the Standard Mark for marking the above product Photographic reduction in any size is permissible. This will ensure the relative proportions of the different dimensions maintained. Preferred dimensions be used as far as possible.

8.On commencement of marking of your product for which you are licensed, you may advertise your product with Standard Mark in various media only during the validity of your licence. The use of Standard Mark on letterheads and publicity literature will be permitted only on receipt of your assurance that in the event of cancellation or lapsing of your licence, the Standard Mark on your letterheads, publicity literatures etc. will be destroyed/obliterated.

9.This licence is granted for your factory situated at NO.345, 346 KIADB , NH373, Shanthigrama Growth center industrial area, ,Hasan Growth center,SHANTHIGRAMA,HASSAN,KARNATAKA,INDIA 573201. Privileges under the licence shall not be exercised by any other firm company/factory etc. This licence is not transferable in the event of shifting the manufacturing and testing equipment from the licensed premises to some other place, use of Standard Mark shall be stopped till the new premises are inspected and found to be satisfactory by us in respect of manufacturing and testing facilities available there and the address of the new premises is endorsed in the licence..

Thanking You,

Signature of Designated authority

Name Narender Reddy Beesu

Designation SCIENTIST-D

Encl:As above (*strike out whichever is not applicable)

----------हिंदी लेटर अभी उपलब्ध नहीं है----------

Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi 110002. ,9 Bahadur Shah Zafar Marg, ,DELHI,110002

Contact No: +91 11 23230131, 23233375, 23239402 **Fax:** +91 11 23234062, 232 **Email:** info@bis.gov.in

----------हिंदी लेटर अभी उपलब्ध नहीं है----------

भारतीय मानक ब्यूरो
BUREAU OF INDIAN STANDARDS

Attachment to Licence No. CM/L- 6200192918

CM/L-	Name of the Licensee with the Factory Address	Name of the Product	Indian Standard No.
6200192918	NANDHA PIPES PRIVATE LIMITED, NO.345, 346 KIADB , NH373, Shanthigrama Growth center industrial area, , Hasan Growth center, SHANTHIGRAMA, 573201,	high density polyethylene pipes for potable water supplies	IS 4984:2016

Endorsement No. 3 Dated 30-November-2023

The following addition/deletion in the scope of licence has (have) been approved by the Bureau with effect from Thirty November Two Thousand Twenty Three:

PE100 PN5 DN50 to 160mm SDR26comma PE100 PN6 DN40 to 160mm SDR21comma PE100 PN8 DN32 to 160mm SDR17,PE100 PN10 DN25 to 160mm SDR13.6 .

Other terms and conditions of licence remain same.

Name Narender Reddy Beesu

Designation SCIENTIST-D

सिपेट : सेन्टर फॉर स्किलिंग एण्ड टेक्निकल सपोर्ट (सी एस टी एस)
(रसायन व पेट्रोरसायन विभाग,
रसायन एवं उर्वरक मंत्रालय, भारत सरकार)
सं. 437/A, हेब्बाल इन्डस्ट्रियल एरिया, मैसूर-16
फोन : 0821-2416128, 2510349, 2510618
फैक्स : 0821-2510990
ई-मेल : mysore@cipet.gov.in

सिपेट CIPET

CIPET : CENTRE FOR SKILLING AND TECHNICAL SUPPORT (CSTS)
(Dept. of Chemicals & Petrochemicals
Ministry of Chemicals & Fertilizers, Govt. of India)
437/A, Hebbal Industrial Area, Mysuru - 570 016
Ph : 0821 - 2416128, 2510349, 2510618
Fax : 0821 - 2510990
E-mail : mysore@cipet.gov.in

संदर्भ/Ref परीक्षण/TR प्रतिवेदन 23122469 दिनांक/Date 29-12-2023

Rural Drinking water supply & Sanitation Division
Office of the Executive Engineer RDWS&S,Sub Division,Government of Karnataka Hassan
Hassan 573201
Hassan
Karnataka

विषय /Sub Testing of samples-reg
संदर्भ /Ref Your letter no AEE/RDW&S/SD/Hassan/JE-1/JJM-CIPET/2023-24/67
दि 06-12-23

महोदय,

कृपया इसकी परीक्षण रिपोर्ट क्रमांक प्राप्त करें Please find enclosed herewith our Test Report no.	24432-A- C	दिनांक dated	29-12-2023

धन्यवाद,

भवदीय
प्राधिकृत हस्ताक्षर
1/1/24

संलग्न : उपर्युक्तानुसार
Encl 1 a/a
Remarks: JJM-2023-24/365-A

मुख्यालय : सिपेट गिण्डी, चेन्नै - 600 032 अहमदाबाद, अमृतसर, भोपाल, भुवनेश्वर, इम्फाल, हैदराबाद, गौहाटी, हल्दिया, लखनऊ, तथा पटना।
Head Office : CIPET Corporate Guindy Chennai - 600 032. Centres : Ahmedabad, Amritsar, Bhopal, Bhubaneshwar, Imphal, Hyderabad, Gauhati, Lucknow, Haldia and Patna

a) Reference to sampling procedure : Supplied by the party

b) Supporting documents for the measurement taken and result derived : As given in Part-C

c) Deviation from the test method as prescribed in relevant work instructions, if any : Nil

23122469

TC-11378

No.45001-50000

1 of 3

सिपेट : सेन्टर फॉर स्किलिंग एण्ड टेक्निकल सपोर्ट (सी एस टी एस)
रसायन एवं पेट्रोरसायन विभाग,
रसायन एवं उर्वरक मंत्रालय, भारत सरकार
नंबर 437/A, हेब्बाल इन्डस्ट्रिअल एरिया, मैसूरु - 16

सिपेट CIPET

CIPET : CENTRE FOR SKILLING AND TECHNICAL SUPPORT (CSTS)
Department of Chemicals & Petrochemicals,
Ministry of Chemicals & Fertilizers, Govt. of India
437/A, Hebbal Industrial Area, Mysuru - 570 016

फोन / Phone (O) +91-821-2510349, 2416128 फैक्स / Fax +91-821-2510960 ई मेल / E-mail mysore@cipet.gov.in / cipetmys1@gmail.com वेबसाइट / Website www.cipet.gov.in

Sl. No. : 45105

TEST REPORT

Issued to: Rural Drinking water supply & Sanitation Division
Office of the Executive Engineer RDWS&S,Sub Division,Government of Karnataka Hassan

Hassan

Karnataka

ULR No: TC1137623000000174F
Test Report No: 24432-A
Date : 29-12-2023
Your Ref. No. : AEE/RDW&S/SD/Hassan/JE-1/JJM-CIPET/2023-24/67
Dated : 06-12-23

Test Report as Per Standard : IS:4984-2016 with amnd no.2

Part-A PARTICULARS OF SAMPLE SUBMITTED

a) Name of the Sample	:	HDPE Pipe
b) Grade/variety/type/size/class	:	PE100 PN6 DN63 SDR21
c) Declared value, if any	:	Nil
d) Code No.	:	Nil
e) Batch No. and date of Manufacturing	:	2023120100A1
f) Quantity	:	1 mtr. x 3 nos
g) Mode of Packing	:	No packing
h) Sealed or not	:	Not Sealed Signed by IO on sample
i) Any other information	:	Date of sample received : 08-12-23 Date of Initiation : 12-12-23 Date of completion : 29-12-23

Joint Sample Collected for Pkg-No 33 Providing 130 FHTCs to Rameshwaranagar,223 FHTCs Chittanahalli,173 FHTCs Doddapura & 250 FHTCs Nidudi Habitations in B.Kathalli GP Hassan Taluk Hassan Dist - JJM Scheme

Part-B SUPPLEMENTARY INFORMATIONS

a) Reference to sampling procedure	:	Supplied by the party
b) Supporting documents for the measurement taken and result derived	:	As given in Part-C
c) Deviation from the test method as prescribed in relevant work instructions, if any	:	Nil

23122469

29/12/23

TC-11376

No.45001-50000

1 of 3

सिपेट CIPET

TEST REPORT

CIPET - CSTS
Mysuru
सिपेट : सी एस टी एस
मैसूरु

Sl. No. : 45405

ULRNo:	TC113762300000174F
Test Report No:	24432-A
Date:	29-12-2023

Part-C Test Result as per IS:4984-2016 with amnd.no.2

S.no.	Clause	Test Name	Unit	Specified requirement	Test Value obtained
1	7.1	Visual Appearance	-	Internal & External surface of pipes shall be smooth, clean and free from grooving and other defects.	Satisfactory
2	7.4	DIMENSIONS	-	-	-
3	7.4 Table-3	Mean Outside diameter-Min	mm	63.0	63.3
4	7.4 Table-3	Mean Outside diameter-Max	mm	63.4	63.4
5	7.4 Table-4	Wall thickness-Min.	mm	3.0	3.0
6	7.4 Table-4	Wall thickness-Max.	mm	3.4	3.3
7	8.1.1 Table-5	Internal Pressure Creep rupture test of pipe for 48 hours at 80°C	-	Pipe shall show no sign of localised swelling, leakage or weeping and shall not burst during prescribed test period	No Sign Of Failure
8	8.2	Reversion test	%	Longitudinal reversion shall not be greater than 3%	1.3
9	8.3	Carbon black content	%	2.5+/-0.5	2.1
10	8.3	Carbon Black dispersion	-	Shall be satisfactory	Satisfactory
11	8.4	Melt flow rate at 190°C/5 kg	gm/10 min.	(0.15 to 1.1)	0.25
12	8.5	Oxidation Induction Time	min.	Shall not be less than 20 minutes	>22.84
13	8.7	Density	kg/m3	940-960	942.7

TC-11376

No.45001-50000

2 of 3

सिपेट CIPET

TEST REPORT

CIPET - CSTS
Mysuru
सिपेट : सी एस टी एस
मैसूरु

Sl. No. : Continuation Sheet

ULRNo.	TC113762300000174F
Test Report No.	24432-A
Date:	29-12-2023

Part-C Test Result as per IS:4984-2016 with amnd.no.2

S.no.	Clause	Test Name	Unit	Specified requirement	Test Value obtained
14	8.9 Table-6	Tensile Properties a. Yeild Strength b. Elongation at Break	 Mpa %	 Min. 15 >=350	 22.2 >500.7

Authorized Signatory
I Bhuvaneshwari

Authorized Signatory
R.T.Nagaralli

Part-D REMARKS

1. This Test report/Certificate is issued only for the samples submitted to CIPET
2. The Results stated above related only to the items tested.
3. The Quality of the subsequent production lot has to be ensured by the purchaser.
4. This report, in full or part, shall not be reproduced, published, advertised, used for any legal action, Unless prior permission has been secured.
5. Selection of samples for individual test has been done in accordance with respective clauses of IS.
6. Details of test sub-contracted: Nill

****End Of Report****

TC-11376

3 of 3

सेन्ट्रल इंस्टिट्यूट ऑफ पेट्रोरसायन इंजीनियरिंग एण्ड टेक्नोलॉजी
(रसायन एवं पेट्रोरसायन विभाग, रसायन एवं उर्वरक मंत्रालय, भारत सरकार)
एच.सी.एल. पोस्ट, आई.डी.ए., फेस - २, चेरलापल्ली, हैदराबाद-५०० ०५१.

CIPET सि पे ट

CENTRAL INSTITUTE OF PETROCHEMICALS ENGINEERING & TECHNOLOGY
(Department of Chemicals & Petrochemicals, Ministry of Chemicals & Fertilizers, Govt. of India)
H.C.L. Post, IDA - Phase - II, Cherlapally, Hyderabad - 500 051.
Phone : 040-27263750, 27263615, Fax : 91-40-27264051
E-mail : testing-hyderabad@cipet.gov.in / hyderabad@cipet.gov.in Web : www.cipet.gov.in

Plastics Testing Centre

No.: 0138123

Test Certificate

Page 1 of 2
Date: 09.11.2023

Issued to M/s. Nandha Pipes Pvt Ltd.,
No. 345,346 KIADB, NH 373,
Shanthigrama, Hasan Growth Center,
Hasan (Dt.),Karnataka -573201

Ref : QR Code:100000519509
TEST REPORT AS PER: IS 4984:2016 with latest Amend. No. 1&2 Supply REPORT NO: 2308943/1

PART A : PARTICULARS OF SAMPLE SUBMITTED

a) Name of the Sample	:	HDPE Pipes for Potable Water Supplies.
b) Grade/Variety/Type/Size/Class	:	PE 100 PN 10DN 180 SDR 13.6
c) Declared values, if any	:	MFI - 0.28 gm/10min, Density 949.0kg/m^3
d) Code No.	:	Sample Code: 10434350/2023/SS/1
e) Batch No. and Date of Manufacture	:	Trail Batch 1& 27.08.2023
f) Quantity	:	1Mtrs x 24 Nos.
g) Mode of Packing	:	HDPE Bag
h) Seal	:	Nil
i) Any other information	:	Samples received on 05.09.2023
j) Date of Initiation of testing	:	05.09.2023
k) Date of Completion of testing	:	09.11.2023

PART B : SUPPLEMENTARY INFORMATION

a) Reference to sampling Procedure	:	Nil
b) Supporting documents for the measurement taken and result derived	:	Nil
c) Deviation from the test method as prescribed in relevant work instructions, if any	:	Nil
d) Statement of conformity as per the test result obtained	:	As per Part-C
e) Decision Rule applicable or not	:	Nil

सेन्ट्रल इंस्टिट्यूट ऑफ पेट्रोरसायन इंजीनियरिंग एण्ड टेक्नोलॉजी

चेरलापल्ली, हैदराबाद-५०० ०५१.

CENTRAL INSTITUTE OF PETROCHEMICALS ENGINEERING & TECHNOLOGY

Cherlapally, Hyderabad - 500 051.

CIPET सिपेट

Test Certificate

0138123

Continuation Sheet

Supply REPORT No. 2308943/1

Page 2 of 2

PART – C

TEST RESULTS

(As per: IS:4984-2016 with latest Amend.No.1&2)

S No.	Clause	Test	Test Method	Specified Requirement	Results Obtained
1.	8	Performance Requirement			
	8.1	Hydraulic characteristics			
	8.1.1, Table 3 Sl.No. (iv)	Internal Pressure Creep Rupture Test of pipe (80°C/1000 h /5.0Mpa)	IS:4984-2016 Annex E	Shall show no signs of localized swelling, leakage or weeping and shall not burst during the prescribed test period.	Confirmed
2.	8.10, Annex J & E	Slow Crack Growth Rate a)Internal Test Pressure: 0.92MPa @ PE 100 SDR 11 PN 12.5 DN 110 b)Test Temp.: 80°C c)Test Duration: 500 h	IS:4984-2016 Annex E & J	Shall show no signs of localized swelling, leakage or weeping and shall not burst during the prescribed test period.	Confirmed

PART D : REMARKS: *These reports are to be used exclusively to upload on BIS-LIMS portal for grant of License not for other purposes.*

NB: 1. This Test Report/Certificate is issued only for the samples submitted to CIPET.
2. The results stated above related only to the items tested.
3. The report shall not be reproduced in full/part without written approval of the laboratory.
4. The quality of the subsequent production lot/lots to be ensured by the purchaser.
5. Any anomaly/discrepancy in this report should be brought to the notice of CIPET within 30 days from the date of issue.

AUTHORISED SIGNATORY

Mr. Punith.N
Mob : +91 9380969260

Mr. Shankarappa
Mob : +91 9844874723

Email : info@nandhagroup.com

Website : nandhagroup.com

#345, 346, KIADB, NH373
Shantigram Growth Centre
Industrial Area, Hassan Growth
CentreShantigram, Hassan,
Karnataka - 573201