

The logo for goflo™ is located in the top right corner, enclosed in a white circle. The text "goflo" is in a blue, lowercase, sans-serif font, with a trademark symbol (™) to its upper right.

# GoFlo™

Complete Water Supply Solutions  
Engineering Procurement & Construction

**WATER DISTRIBUTION SYSTEM**

[www.habitatenviro.com](http://www.habitatenviro.com)

## *About Us*

Habitat Enviro Solutions Pvt. Ltd. formed in 2016 . We are specialized in water ,wastewater transportation and treatment facilities. Habitat is one stop solutions in terms of Engineering, Procurement and Construction for clients.

- MSME Registered
- CFTRI Approved Pipe ( Central Food Technology Research Institute)
- CIPET Approved Pipe (Central Institute of Petrochemical Eng.& Tech.)
- Startup India Registered
- Trademark Registered in GOI

# PE PIPE – NOT HDPE

**EARLIER**

*Indian Standard*

**IS 4984 : 1995**

( Reaffirmed 2002 )

**HIGH DENSITY POLYETHYLENE PIPES  
FOR WATER SUPPLY — SPECIFICATION**

*( Fourth Revision )*

Second Reprint JANUARY 1998

**NOW**

**IS 4984 : 2016**

**Polyethylene Pipes for Water Supply  
— Specification**

*( Fifth Revision )*

# WHY CHANGE IN NAME

## As per IS 4984: 2016

As polyethylene pipes are designed by their **minimum required strength (MRS)** the earlier nomenclature of high density polyethylene pipes has been re-named as polyethylene pipes and accordingly, the title of the standard has also been modified.

## Material As per IS 4984: 2016 , Page no- 4

### 5.1 General

The material used for the manufacture of pipes **should not constitute toxic hazard**, should not support microbial growth and should not give rise to unpleasant taste or odour, cloudiness or discoloration of water. Pipe manufacturers shall obtain a certificate of this effect from the manufacturer of raw material.

**D**

Type of Enterprise	Micro	Small	Medium
Manufacturing	A	B	C
Services	D	E	F
UAM No.	<b>DL10D0014361</b>		

**Udyog Aadhaar Memorandum**

- Aadhaar Number
- PAN Number AADCH8652B
- Name of Entrepreneur PRAVEEN KUMAR
- Social Category of Entrepreneur GENERAL
- Gender Male
- Physically Handicapped No
- Name of Enterprise HABITAT ENVIRO SOLUTIONS PRIVATE LIMITED
- Type of Organization Private Limited Company
- Location of Plant Details

SN	Flat/Door/Block No.	Name of Premises/Building Village	Road/Street/ Lane	Area/Locality	City	Pin	State	District
1	A-127,	MASOODPUR,	SECOND FLOOR	SOUTH WEST DELHI	DELHI	110070	DELHI	SOUTH WEST

- Official Address of Enterprise A-127, SECOND FLOOR, MASOODPUR, NEW DELHI,  
District SOUTH WEST State DELHI PIN 110070  
Mobile No: 9810620402 Email: habitatenvirosolutions@gmail.com
- Date of commencement 10/05/2016
- Previous Registration details-if any ::
- Bank Details IFS Code UTIB0003155  
Bank Account: 918020107681216
- Major Activity SERVICES

SN	NIC 2 Digit	NIC 4 Digit	NIC 5 Digit Code	Activity Type
1	71 - Architecture and engineering activities; technical testing and analysis	7110 - Architectural and engineering activities and related technical consultancy	71100 - Architectural and engineering activities and related technical consultancy	Services
2	74 - Other professional, scientific and technical activities	7490 - Other professional, scientific and technical activities n.e.c.	74909 - Other professional, scientific and technical activities n.e.c.	Services
3	81 - Services to buildings and landscape activities	8110 - Combined facilities support activities	81100 - Combined facilities support activities	Services
4	81 - Services to buildings and landscape activities	8130 - Landscape care and maintenance service activities	81300 - Landscape care and maintenance service activities	Services

- Persons employed 4
- Investment (Plant & Machinery / Equipment's) 5(Rs. In Lakhs)
- District Industry Centre DELHI

**Declaration**

I hereby declare that information given above is true to the best of my knowledge. Any information, that may be required to be verified, shall be provided immediately before the concerned authority.

MyMsmc Mobile App (Beta Version) is available now for download. <https://play.google.com/store/apps/details?id=msme.mymmsme>



[Click here for Udyog Aadhaar Registration Certificate](#)

CERTIFICATE NO:  
DIPP80401



सत्यमेव जयते  
Government of India  
Ministry of Commerce & Industry  
Department for Promotion of Industry and Internal Trade

#startupindia

# CERTIFICATE OF RECOGNITION

*This is to certify that **HABITAT ENVIRO SOLUTIONS PRIVATE LIMITED** incorporated as a **Private Limited Company** on **10-05-2016**, is recognized as a startup by the Department for Promotion of Industry and Internal Trade. The startup is working in 'Construction' Industry and 'Construction & Engineering' sector as self-certified by them.*

*This certificate shall only be valid for the Entity up to **Ten** years from the date of its incorporation only if its turnover for any of the financial years has not extended **₹ 100 Cr.***

24-05-2021  
DATE OF ISSUE

09-05-2026  
VALID UPTO

**TEST REPORT**

CFTRI CUSTOMER SERVICE CELL



ULR T C 5 2 5 3 2 1 0 0 0 0 0 0 0 9 3 -

2 0 1 0 2 1

Name & Address of the Customer :	M/s. Habitat Enviro Solutions Pvt. Ltd. A-127, Second, Floor, Masoodpur, VasantKunj, New Delhi- 110070	Page 1 of 1
Request Reference :	Your letter dated: 26.08.2021	
Name of the Product/Sample@ :	Extended Polyethylene Pipe	
Product/Sample details@ :	<b>Brand Name- goflo</b> <b>Pipe Details- goflo PE100 Blue Coloured</b>	
Sample Receipt Date :	06.09.2021	

SAMPLE NOT DRAWN BY US

Test Parameter	Simulant (Temp/ Time)	Amount of Extractives		Limits as per IS : 10146-1982 (2018)		Test Method
		mg/dm <sup>2</sup>	ppm	mg/dm <sup>2</sup>	ppm	
Global Migration Test	Distilled Water (40°C/ 10 days)	0.42	4.6	10	60	IS : 9845 : 1998 (2020)

SV : SA = 0.93 : 1

**Conclusion:** The values are within the limits specified as per IS: 10146-1982 (2018). **for intended use for contact with aqueous (water) foods/ beverages for repeated use at room temperature filling and storing.**

**@Information as given by the customer.**

**Please Note:** The results contained in this Test Report relate only to the sample tested. This Report is intended only for your guidance and not valid for legal purposes or for advertisement.



डा. आलोक कुमार श्रीवास्तवा  
 Dr. Alok Kumar Srivastava  
 मुख्य वैज्ञानिक & प्रधान / Chief Scientist & Head  
 खाद्य सुरक्षा और विश्लेषणात्मक गुणवत्ता नियंत्रण प्रयोगशाला  
 Food Safety & Analytical Quality Control Laboratory  
 सीएसआईआर-केंद्रीय खाद्य प्रौद्योगिक अनुसंधान संस्थान  
 CSIR-Central Food Technological Research Institute  
 मैसूरु / Mysuru - 570 020



**Plastics Testing Centre**

No.: 0135582

Test Certificate

ULR No TC.65142100000339F

Issued to: **M/s Habitat Enviroolutions Pvt Ltd.**  
A-127, Second Floor, Masoodpur,  
Vasantkunj  
New Delhi-110 070

Page 1 of 3  
Date: 03.09.2021

Ref: Your letter No HES /CIPET/01TR/08/21 & Dated 28.08.2021

TEST REPORT AS PER: ISO:4427-2:2019

REPORT NO: 2104324

**PART A: PARTICULARS OF SAMPLE SUBMITTED**

- a) Name of the Sample : MDPE Pipe
- b) Grade/Variety/Type/Size/Class : PE 100, PN 8, Colour: Blue
- c) Declared values, if any : Nil
- d) Code No. : Nil
- e) Batch No. and Date of Manufacture : Nil
- f) Quantity : 1 Mtr x 03 nos.
- g) Mode of Packing : HDPE Bag
- h) Seal : Nil
- i) Any other information : Samples received on 20.08.2021
- j) Date of Initiation of testing : 23.08.2021

k) Date of Completion of testing : 02.09.2021

**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: Nil  
in relevant work instructions, if any
- d) Statement of conformity as per the test result obtained : As per Part-C
- e) Decision Rule applicable or not : Nil



**Test Certificate**

No.: 0135582

Continuation Sheet

REPORT No. 2104324  
PART - C

Page 2 of 2

TEST RESULTS  
(AS PER: ISO:4427-2:2019, Is 12235 (pt3) Am d.No.1)

S. No.	Clause	Test	Specified Requirement	Results obtained
01	10.3	Effect on water	Max. ppm by Mass	---
		Lead as pb,ppm (First extraction)	1.0 mg/ltr	Not detected
		Lead as Pb, ppm (Third Extraction)	0.05mg/ltr	Not detected
		Dialkyltin as C <sub>4</sub> (Third extraction)	0.02 mg/ltr	Not detected
		Cadmium as Cd, ppm (All three Extractions)	0.01 mg/ltr	0.0016
		Mercury as Hg, ppm (All three extractions)	0.001 mg/ltr	Not detected
		Other toxic substances such as "di-n-octyl-tin-s-s bis iso-octyl mercapto acetate" and "butyl stearate" (Third extraction)	0.01 mg/ltr	Not detected

PART D: REMARKS : Nil

- 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 has to be ensured by the purchaser.  
5. Any anomaly/discrepancy in this report should be brought to be the notice of CIPET within 30 days from the date of issue

**AUTHORISED SIGNATORY**



# *What and Why “goflo”*



Goflo is name of a solution of all Water Supply Needs in terms of Distribution Network. By using latest tools, software and a great product, we implement best execution practice and provide a customized solution to our clients. We work on design, built & operate basis. Goflo came into existence to overcome the challenges of water industry which are :

- Economical than all other Pipe Options
- Pipe Supply and Execution Under One Umbrella
- After Sales Service

# Product Intro

- Food grade quality certified by International and Indian Standards.
- Comes in 50-100 mtrs length so less joints less fittings used less leakage.
- Latest PE 100 resin used for production.
- ISO 4427 Certified
- Economical than all other pipes
- Light weight so that easy shifting
- No corrosion
- Leak Proof with Electro- Fusion joints
- Life span up to 50 years
- Fast and easy installation



# *Actual Site Photographs*



# *Pressure Testing*



# *Jointing Process*

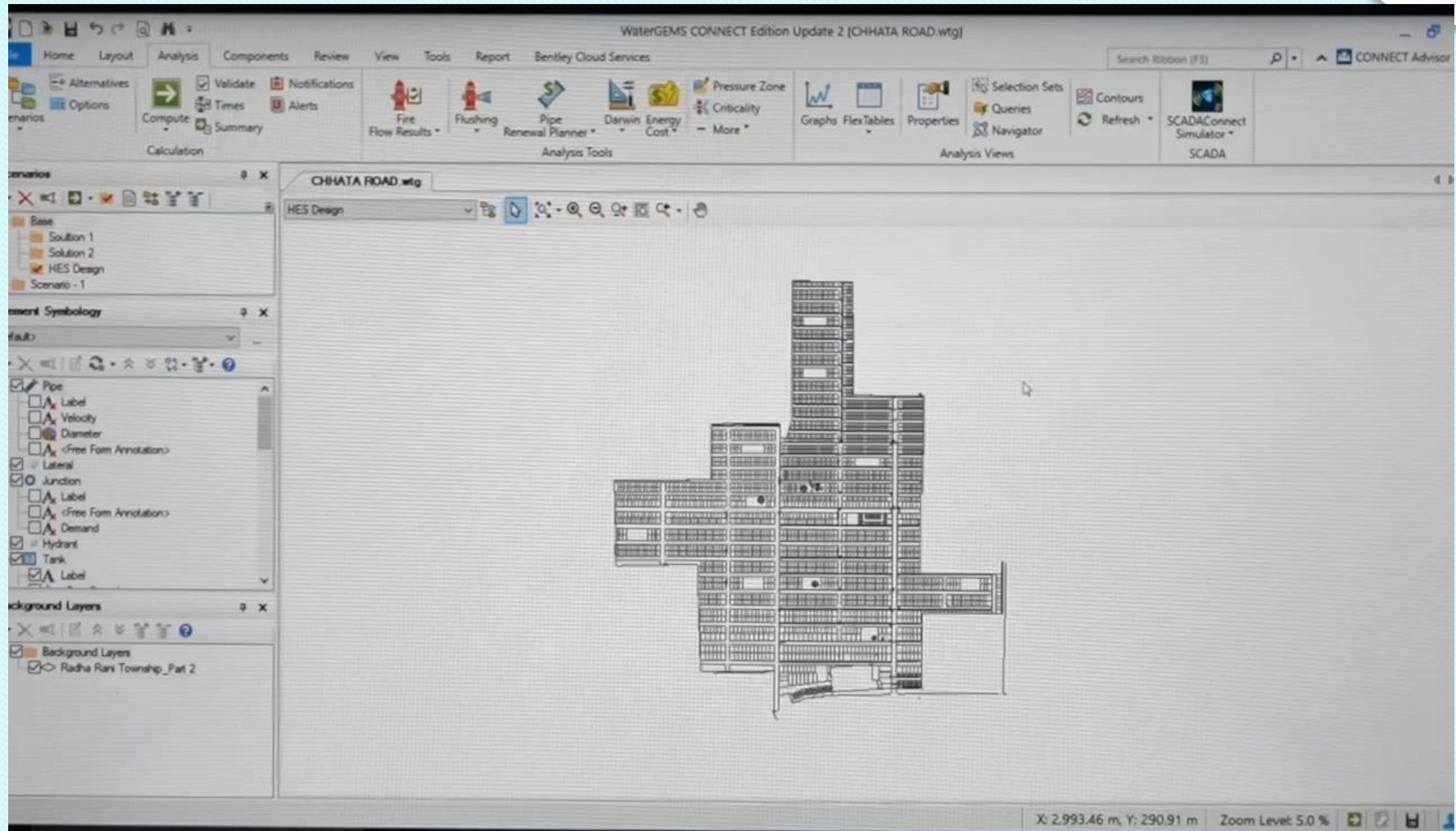


## *Maintenance Planning*

- Least Inconvenience after Project Handover.
- Identification of water supply zones.
- Marking of Isolation valves through software
- Marking of Critical Segments of Networks
- 2 year warranty plan extended upto 15 years on AMC basis

# Watergems as Maintenance tool

goflo™



# Techno –Commercial Comparison



S. No.	Particulars	Goflo	DI	GI	UPVC
1	Length	50-200 mtrs coil in length	Available in 6 mtrs length	Available in 6 mtrs length	Available in 6 mtrs length
2	Joints	Every 50 -200 mtrs one joint	Every 6 mtrs	Every 6 mtrs	Every 6 mtrs
3	Pricing	x	1.5x	1.3x	1.2x
4	Chemical Resistance	Excellent	Low	Low	Good
5	Internal/External Coating	Not Required	Required	Required	Not Required
6	Friction Losses	Low	High	High	Low



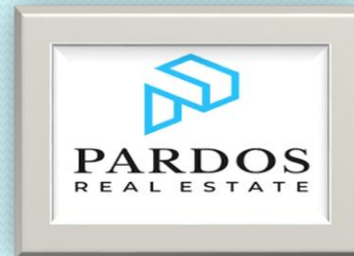
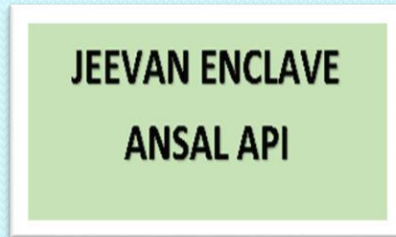
# *Service Commitment*



***“ IT IS NOT A CONTRACT, IT’S A RELATIONSHIP  
BETWEEN YOU AND US AND COMMITMENT TO SERVE  
YOU FOR NEXT 15 YEARS AS A WARRANTY OF OUR  
WORKDONE ON AMC BASIS”***

# OUR ESTEEMED CLIENTS

goflo™



## *Other Services Offered*

- ❖ **Sewage Treatment plant**
- ❖ **Water Treatment plant**
- ❖ **Sewerage Network**
- ❖ **Storm Drainage Network**
- ❖ **Rain Water harvesting**
- ❖ **Roads**
- ❖ **Landscapes**
- ❖ **Reverse Osmosis**

*Thank You*

# *Butt Welding Process*



# *Electro Fusion Tapping Valve*

