



WATER DISTRIBUTION SYSTEM

www.goflo.in

INTRODUCTION

- » GoFlo™ is Blue Colour PE Pipe as per National and International Standard.
- » ISO 4427 Certified
- » Global Manufacturing Practice Out Of 100% Virgin Raw Material
- » Food Grade(CFTRI), Quality (CIPET) & ISO 4427 Approved
- » Economical Than All Other Metallic Pipes
- » Light Weight So That Easy Shifting
- » Free Corrosion
- » No Fungi Formation
- » Leak Proof With Electro-Fusion Joints
- » Life Span Up To 50 Years
- » Fast and Easy Installation
- » Mirror Finish - Inner Surface - Reduce Power Consumption



TECHNICAL COMPARISON

S.No.	Particular	GoFlo™ BLUE PIPE	Metallic
1	Length	Being Flexible They Can Be Coiled And Hence Need Less Joints. Coils Are Available In Different Lengths.	Available In Straight Lengths Only
2	Soil Movement, Settlement	GoFlo™ Pipes Are Resistant To Ground Movements, Soil Settlement And Even Earth Quakes	Affected By Soil Settlement
3	Crushing, Loads	Can Withstand Crushing, Impact Loads	Can Not Withstand Crushing Loads
4	Temperature	Can Be Used For Temperatures Upto (-40) Deg. C	Can Not Be Used In Sub Zero Temperatures
5	Chemical Resistance	Have Excellent Chemical Resistance.	Low Resistance To Chemicals
6	Internal / External Coating	Internal / External Coating Not Required	Require External / Internal Coating To Prevent Corrosion. The Coating are Susceptible To Damage During Welding
7	Corrosive Soil / Saline Environment	Can Be Laid In Corrosive Soils And Saline Environment.	Will Corrode In Corrosive Soils

CAPITAL COST COMPARISON

TANTATIVE COST OF GoFlo™ BLUE PIPE			
a.	150 mm	1000-1200	Running Meter
b.	100 mm	700-900	Running Meter
c.	80 mm	600-700	Running Meter
d.	65 mm	500-600	Running Meter
e.	50 mm	300-400	Running Meter

TENTATIVE COST OF METAL PIPE			
a.	150 mm	1500-1800	Running Meter
b.	100 mm	1100-1300	Running Meter
c.	80 mm	900-1100	Running Meter
d.	65 mm	800-900	Running Meter
e.	50 mm	500-700	Running Meter

Metal Pipes Are 30%-40% Costier Than GoFlo™ Blue Pipes In Per Running Meter Cost

Note:- Above Rates are Calculated on Certain Assumptions Actual Rates May Vary as Per Design of a Certain Projects.

RECURRING COST COMPARISON

With Following Assumptions:- Flow : 500KLD, Pumping : 8Hours

Dia of Pipe: 100mm, Length : 500Meter

PUMP WITH GoFlo™ BLUE PIPE LINE HAZEN'S COEFFICIENT : 145			
a.	Total Head Loss	22	Mtrs.
b.	Datum Head	50	Mtrs.
c.	Total Head	72	Mtrs.
d.	HP of Pump	27	HP
e.	Power Rating of Pump	20.23	KW/h
f.	Total Running of Pump	8	Hrs/Day
g.	Total Unit Consumed Per Day	161.8	Per Day
h.	Total Unit Consumed Per Year	59072	
i.	Electricity Cost	10	Rs./Unit
j.	Total Electricity Bill of Year	590723	Rupees

PUMP WITH UNLINED METALLIC PIPE HAZEN'S COEFFICIENT : 100			
a.	Total Head Loss	43	Mtrs.
b.	Datum Head	50	Mtrs.
c.	Total Head	93	Mtrs.
d.	HP of Pump	36	HP
e.	Power Rating of Pump	27	KW/h
f.	Total Running of Pump	8	Hrs/Day
g.	Total Unit Consumed Per Day	214.1	Per Day
h.	Total Unit Consumed Per Year	78151	
i.	Electricity Cost	10	Rs./Unit
j.	Total Electricity Bill of Year	781508	Rupees

Total Electricity Bill Of Year= 590723 Rupees

Total Electricity Bill Of Year= 781508 Rupees

Around 2.0 Lacs Rupees Can Be Saved In Annual Cost In Operation Of Pumps

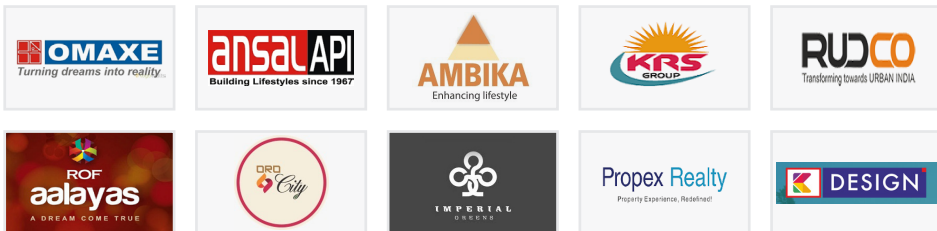
SOFTWARE COMPATIBILITY

OpenFlows WaterGEMS provides a comprehensive yet easy-to-use decision-support tool for water distribution networks with the software help we can easily see how infrastructure behaves as a system, how it reacts to operational strategies, and how it should grow as population and demands increase. OpenFlows WaterGEMS provides numerous software capabilities like:

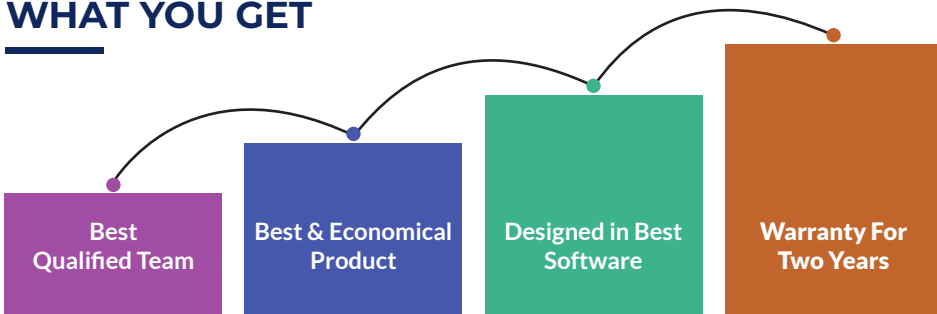
- » Design Water Distribution Networks
- » Assess Fire Flow Capacity
- » Develop Flushing Plans
- » Build Hydraulic Models
- » Analyze Pipe and Valve Criticality
- » Identify Water Loss
- » Manage Energy Use



OUR CLIENTS



WHAT YOU GET



Habitat Enviro Solutions Private Limited

ENGINEERING | PROCUREMENT | CONSTRUCTION

Regd. Off: - A-127, Second Floor, Masoodpur, Vasant Kunj, New Delhi -110070

Phone : 011-40790127

E-mail- info@goflo.in

Website- www.goflo.in

Agra Branch: Sanjay Palace, Sanjay Place, Civil Lines, Agra, Uttar Pradesh-282002

Lucknow Branch: 330 First Floor , Sushant Golf City, Shopping Square, Lucknow, U.P -226030