

**MUMBAI OFFICE :-**

Unit No. 11, Ruby Coach Lane, Marol Nake,
Near Hind Saurashtra Indl. Estate,
Off. Andheri-Kurla Road, Andheri (E), Mumbai - 59.
Tel. : +91 22 28505403
Cell : +91 93728 05577
E-mail : rajwater@gmail.com

Plot No. : 27, Survey No. 47, Jivraj Industrial Area,
Near Falcan Pump, Vavdi, Gondal Road,
Rajkot - 360 004. (Gujarat) India
Tele : +91 281 - 3291791 / 2922777
Telefax : +91 281 - 2922481
Cell : +91 93757 55777 / +91 74050 55777
Website : www.rajwater.com
E-mail : sales@rajwater.com / info@rajwater.com

Sub: PROPOSAL FOR ULTRA FILTRATION PILOT SYSTEM**MODEL: HFU2020AN****Capacity: 8 m3/hr UF Feed****Proposed solution:**

UF membrane systems configured to achieve the water quality suitable for feed of R.O. The system takes care of the physical impurities of water such as color, TSS, turbidity and silt. The proposed system is a continuous, dead end filtration system. There will not be continuous reject water generation. However there will be a periodic cleaning which spends approximately 10 - 15% of the total water..

Typical Feed Quality

Turbidity : < 20 NTU
TSS : < 20 ppm
COD : 50 - 100 ppm
BOD : 20 - 30 ppm

Product Water

Turbidity : < 1 NTU
SDI : < 3

Flow rates:

UF Feed flow rate : 10 m3/hr
UF Permeate flow rate : 8 m3/hr

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Type	: Down Flow Graded Sand Type
Model	: 2162/RW/SS
M.O.C.	: SS 304.
Size Dia X Height.	: 525 mm Dia X 1550 mm
Pipe Line Size	: 25 mm.
Sand Qnty.	: 385 Kgs.
Valves	: PP multiport Valve
Max. Flow	: 10.00 m ³ /hr.
Working Flow	: 8.00 m ³ /hr.

Activated Carbon Filter.

Type	: Down Flow Graded Sand Type
Model	: 2162/RW/SS
M.O.C.	: SS 304
Size Dia X Height.	: 525 mm Dia X 1550 mm
Pipe Line Size	: 25 mm.
Act. carbon Qnty.	: 155 Kgs.
Valves	: PP multiport Valve
Max. Flow	: 10.00 m ³ /hr.
Working Flow	: 8.00 m ³ /hr.

Scope of supply for Ultra Filtration System:**Micron Cartridge Filter**

Capacity	: 8000 LPH
Micron rating	: 50 micron
Material	: PP

UF Feed Pump:

Qty	: 1 no
MOC	: SS 304
Flow rate	: 10 m ³ /hr @ 18 m head
Make	: CRI/Sumo/Grundfos/Eqvt

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UF Back flush pump:

Qty : 1 no
MOC : CI
Flow rate : 10 m³/hr @ 22 m head
Make : CRI/Sumo/Grundfos/KBL/Eqvt

Air blower:

Qty : 1 no
MOC : CI/Eqvt
Flow rate : 10 m³/hr @ 0.5 air pressure
Type : Ring blower/Rotary
Make : Poonam/Kay/Everest/Eqvt

Ultra Filtration System:

Ultrafiltration skid/frame : MS - PU
Membrane model : HUF2020AN
No of membranes : 06
Make : **Toray**
Membrane Type : (Modified PAN)
Type : Hollow fiber
Surface area : 45 m²
Mode : Filtration on dead end (Outside to Inside)
Dimensions : Diameter 08 inch by Length 60 inch
Housing MOC : PVC+SS304
End caps : Glass filled ABS
Pipes and fittings & Valves : SS304

AN ISO 9001 : 2008 COMPANY

॥ Shree Umiya Matay Namah ॥

G.S.T. TIN 24091804617 Dt. 18-9-09
C.S.T. TIN 24591804617 Dt. 18-9-09

Raj

Water Technology (Guj.) Pvt. Ltd

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