



Decide with Confidence



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॥ Shree Umiya Matay Namah ॥



Water Technology (Guj.) Pvt. Ltd.

GSTIN : 24AAECR3013M1ZJ

MUMBAI OFFICE :
116-D, Govt. Industrial Estate,
Charkop, Kandiwali (West),
Mumbai - 400067,
Maharashtra.
Cell : [+91 73595 95577](tel:+917359595577)
E-mail : info@rajwater.com

AHMEDABAD OFFICE :
B/9, Sumel-7, Business Park,
Opp. Soni ni Chal,
BRTS Bus Stop, N.H.-8
Ahmedabad - 382325.
Cell : [+91 70432 55777](tel:+917043255777)
E-mail : export@rajwater.com

HEAD OFFICE :
Plot No. : 27, Survey No. 47, Jivraj Industrial Area,
Nr. Falcon Pump, Vavdi, Gondal Road,
Rajkot - 360004, (Guj.) India.
Cell : [+91 74050 50444](tel:+917405050444) / [+91 70439 55777](tel:+917043955777)
Website : www.rajwater.com
Email : inquiry@rajwater.com / sales@rajwater.com

Date :- 9th January 2020

Thursday

Quotation No :- RW/2019-20/Q_8639
Concern Person :- Mr. Rahul
Concern Number :- 9198080054
Email Id :- rahul.bt1993@gmail.com
Company Name :-
Address :- **Country** : India
State : Gujarat
City : Bhuj

Quotation For Water Treatment Project

Dear Sir ,

We are pleased to enclose our detailed Techno-Commercial offer, based on your requirement.

❖ Contents of the Quotation

- Commercial Proposal
- Terms & Condition
- Technical Specification for each product

❖ Machinery Offer

- Water Treatment Project

We hope the same is in line with your requirement. We shall gladly assist you in case you need any further clarification or information.

With warm Regards,

For , Raj Water Technology (Guj.) Pvt. Ltd.

MANSI DHOKIYA

Designation : Marketing Asst. Manager

Mobile : 2816131524

Raj, with its modern setup, is a one stop shop for water, juice and soft drink solutions. Believing that infrastructure and technology are must haves to meet high quality standards, the company fulfils the customer requirements and expectations with utmost care.

PRODUCT CATEGORIES:



SERVICES:

- Plant Layout Planning & Consultancy.
- 24 X 7 Sales & Marketing team available for Customer care.
- Equipment selection, sales & service.
- Equipment Training.
- Spares & Accessories.

WHY WORK WITH US?

- Vast Experience of in-house Manufacturing & Research with.
- Customization of all type of water treatment projects.
- Comprehensive Product & Services Portfolio.
- Modern and advanced technology and equipment with High Quality.
- Superior quality & Affordable price.
- Prompt after Sales Service & Support.
- Streamlined Processes.

Core Purpose

To build success stories of people by providing unlimited opportunities through innovative solutions.

Core Value

- 1) Hard Work
- 2) Customer Delight
- 3) Continuous Research & Improvement
- 4) Social Responsibility

Our Vision

To Implement Great Practices of Reliance and become 1000 Cr. Turnover Company by 2026.

Commercial Proposal

Sr No.	Equipment Name	Qty	Basic Rate	Amount
1	RO Plant FRP 2000 Litre Per Hours	1	265000.00	265000.00
2	Sintex tank 10000ltr	1	100000.00	100000.00
3	Sintex tanks 5000ltr	1	50000.00	50000.00
4	Online Water Chiller 5-Ton With Storage Tank	1	275000.00	275000.00
5	Complete Plant UPVC Piping Including Jar Filling Station	1	50000.00	50000.00
6	02 x raised concrete planes for sintex tanks	1	100000.00	100000.00
7	PVC Sheet Shed 10' x 14' for RO Plant	1	300000.00	300000.00
8	01 Year AMC Cost	1	20000.00	20000.00
			Sub Total	₹ 11,60,000.00
			GST @ 18%	₹ 2,08,800.00
Total Amount in Words :- Thirteen Lakh Sixty Eight Thousand Eight Hundred			Total Amount	₹13,68,800.00

Technical Specification

1. Raw Water Quality

R.O. plant is designed based On : 1500 TDS

Hardness : 300

Application :-

2. Treated Water Quality

Suspended Solids : Nill

Turbidity : Nill

PH : 7.0 To 7.5

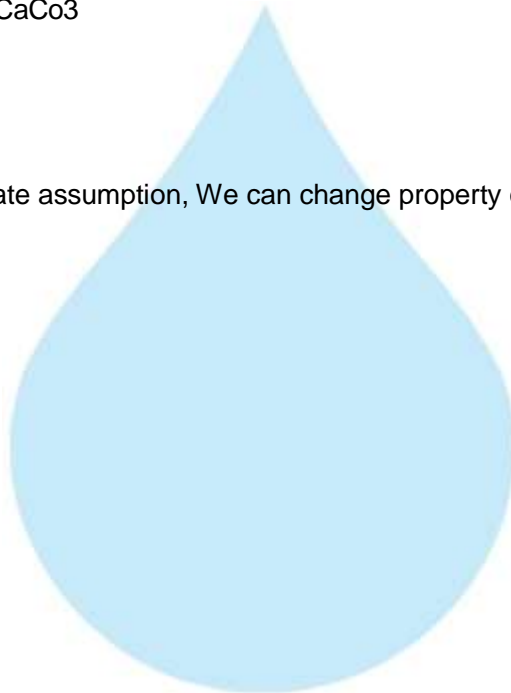
T D S : Less than 40 ppm

Total Hardness : 30 ppm as CaCo3

Bacteria Coliform : Nill

Application :-

The above water quality is approximate assumption, We can change property of minerals/ions in water by editing the raw water in R.O. treated water



3. Raw Water Feeding Pump

Type :	Centrifugal
Max. Flow :	5.50 m ³ /HR
Working Flow :	4.0 m ³ /HR
Working Pressure :	2 Kg. / Cm ²
M.O.C. :	C.I.
Power :	1 HP
Manufacturer :	Kirloskar / EQI
Nos. Offered :	1 Nos.



Application :-

To Pump Raw Water at Required Pressure so as to enable Transfer Through The RO Pre-Treatment Stage.

4. Pressure Sand Filter (FRP)

Type :	Down Flow Graded Sand Type
Model :	1665/RW/MGF
M.O.C. :	FRP
Size Dia X Height :	400 mmX 1625 mm
Pipe Line Size :	25 mm
Sand Qty. :	215 kgs
Valves :	PP multiport valve
Max. Flow :	5.50 m ³ /hr.
Working Flow :	4.00 m ³ /hr.



Application :-

By means of Multi size Graded sand filled in the Vessel of stainless steel material, which is natural process of filtration adopted by the nature Raw Water is first filtered by filtration unit in series prior feeding RO Plant. Pressure Sand Filter Unit is provided for removal of suspended matters & turbidity from raw water. PSF Unit is a SS vertical Pressure Vessel. Internally, it is fitted with bottom collecting system. Uniform grades silica quartz sand is charged on the supporting media of pebbles and gravels.

5. Activated Carbon Filter (FRP)

Type :	Down Flow Graded Sand Type
Model :	1665/RW/MGF
M.O.C. :	FRP
Size Dia X Height :	400 mmX 1625 mm
Pipe Line Size :	25 mm
Carbon Qty. :	85 kgs
Valves :	PP multiport valve
Max. Flow :	5.50 m3/hr.
Working Flow :	4.00 m3 /hr.



Application :-

To Remove taste, odour, chlorine, colour and. It can absorb contaminated particles of Oil & Grease from the raw water. It will control the BOD & COD in the raw water. Activated Carbon can remove Chlorine, Odour, & Colour other organic material from feed water prior to reverse osmosis. This Carbon granules having larger surface area and specific property to absorb organics.

6. Micron Cartridge Filter Housing

Model :	MCF 20/RW/PP
Size :	20" Long
Micron Rating :	5 Micron
Type of Candle :	P. P. Spun / Wound
Material of Housing :	PP
Nos. of Candles :	1 nos
Max. Flow :	5.50m3/HR
Working Flow :	2.00 m3/HR



Application :-

To protect the membrane and the high pressure pump from suspended particles by removing them up to 5 Micron.

7. Antiscalant Dosing Pump

Type :	Ele. Diaphragm Type
Capacity :	0 to 6 LPH
M.O.C. :	PP
Dosing Chemical :	Antiscalant
Dosing Rate :	3 to 4 LPH
Manufacturer :	E Dose / I dose



Application :-

The hardness salts of calcium & magnesium are likely to be precipitated if concentration exceeds its solubility limit & it may fault the membranes resulting into scaling which ultimately leads to poor treated water quality from R.O. System.

8. Antiscaling Dosing Tank

Type :	Conical Bottom
Capacity :	100 Ltr.
M.O.C. :	HDPE
Manufacturer :	Reputed



9. High Pressure Pump

Type :	Vertical Centrifugal Pump
M.O.C. :	SS
Max. Pressure :	13 Kgs. / Cm 2.
Working Pressure :	10 Kgs. / Cm 2.
Max. Flow :	5.50 m3/HR
Working Flow :	4.00 m3/HR
Motor :	3 HP
Manufacturer :	2900 RPM
Nos. Offered :	3 Phase
Make of Pump :	PNC



Application :-

For Reverse Osmosis Process to take place feed pressure of water need to be raised. For this purpose a Vertical Multistage Centrifugal High Pressure Pump in S.S construction is provided R.O. System requires operating pressure of about 14-16 kg/cm² . High-pressure pump is fitted with S.S. discharge pipe work with necessary control valves. Necessary instruments like a High Pressure Switch, Pressure Gauge and recirculation valves are provided for safer operation of system

10. RO Membrane

Model :	8040 Element
Type :	TFC Spiral Wound
Material :	Polymide
Size :	8" Dia X 40" Long
Manufacturer :	Toray / Hydranautics / Dow / EQI
Nos. Offered :	2 Nos.



Application :-

To reduce Raw Water T.D.S. through the concept of Reverse Osmosis where R.O. Modules processes Raw Water and produces Purified Water having the Salt Rejection of Raw Water in the range of 90 – 95%. By using Semi permeable Membrane filter elements, where ion filtration process is carried out by applying pressure in the water. So finally we will get Low salt water with low total dissolve solids and High purity. Here will have to drain the water at one side to Wash the Membrane filter elements continuously because of filtration process there is nothing to be polluted in the system.

11. Fiber - Reinforced Plastic Pressure Vessels

M.O.C. : FRP
Type : Horizontal Tube Type
Size : 8" X 80"
Max. Pressure : 400 PSI
Working Pressure : 150 PSI
Nos. Offered : 1 Nos.



12. Pressure Gauges

Pressure Gauges : 4 Nos.
Type : Bourdon Tube Type
Manufacturer : Raj
Range : 0 - 28



13. Rota Meters

Rota Meters : 2 Nos.
Type : Float
M.O.C. : Acrylic Body
Reject Water Range : SS Float (0 - 4000 Lph.)
Treated Water Range : SS Float (0 - 3000 Lph.)
:



14. Control Panel - PLC Base

Manufacturer : Astral



15. Pressure Switch

Pressure Switch : 2 Nos.
Type : Low / High Pr.
Manufacturer : Denfoss
Model : IPS 70 / 400



16. Stand For Unit

Stainless Steel : SS 304



Application :-

Complete stand for unit will be made of S.S.304

17. UPVC Interconnecting Pipe Lines

Interconnecting Pipe Lines : All interconnecting Piping Raw Water Pump to RO will be provided of Upvc by us.



Application :-

All interconnecting Piping Raw Water Pump To RO will be provided of UPVC by us.

