

Work Order

Page(s) 1 Of 1

06-03-2018 13:45:37

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035755

From Company : **Modi Reality (Miryalguda) LLP**
5-4-187/3&4, II nd Floor, M.G.Road, Secunderabad-500 003.
G S T No. : 36ABCFM6774G1ZZ

Supplier Details

Icon Water Solutions
C/O 49-253/1, IDA, Padma Nagar, Phasse 1, Chintal, Hyderabad - 55.

8497927928-Sreenu(M.P.)

9949989287/9052394142

Doc No	49003	52288
Doc Date	06-03-2018	
Quote No	Nil	
Quote Date	13-11-2017	
SupplyType	Supply And Installation	

Kind Attn : Mr.V.Srinivas

Work Order for the Supply of following Items.

Item Name	Qty	Rate	Dis%	GST%	Amount
1 5038 - Equipment - machinery - R.O. Plant - other - nos 1000 LPH	1.00	225,000.0	0.00	0.00	225,000.00
Total Order Value . . .					225,000.00
Rupees : Two Lakh(s) Twenty Five Thousand Only.					

Terms and Conditions :-

Specification / Brand Feed pump - CRI Make, sand & carbon filter Pentair brand , membrane Polymaide USA, Other speciations as per your quote dated 13.11.17

Payment Terms 50% advance, 40% after delivery of all material and 10% on completion of Installation.

Tax All taxes included in above price.

Delivery Date Within 10 days from the date of Work Order

Delivery Location AVR Gulmohar Homes
H.O
Phone. 040-66335551

Penalty For Delay Nil

Transportation Cost Included in the above price.

Warranty 1 year from dt. of commissioning.

Advance Paid Advance Rs:1,12,500/- Vide ch no: _____ dated 12.03.18 of Yes bank

Other Terms We reserve the right to reject items not conforming to quality and specifications. Amc Rs:10,200/- annum. Installation charges included in the above prices. Above order for Site Drinking purpose.

Completion Date Within 5 days from the date of Work Order

Measurment Nil

Security You shall be responsible for your material at our site against theft or damage. Lockable rooms shall be provided on request.

Remarks For A Block emergency sump purpose.

20-5-18 f weralit
20-5-19

For **Modi Reality (Miryalguda) LLP**

Authorised Signatory

Name : _____

Accepted the above Terms And Conditions

For **Icon Water Solutions**

Name : _____

Date : __/__/__

~~(Aun)~~ pur

md for

R.O. plant - AGH

Spoke with Sankar, earlier
e buy in Nigiri Estates Rs 2,25,000/-
e paid out station transportation &
to 4 times visiting for installation
since price is Rs. 2,35,000/-
Including GST, our station transportation
Installation include all in above
price.

to
station

Re negotiate

2,25,000 with
GST

End Psc
3/3/18



Requisition Form

Requisition Form			
Name:	MRM LLP	Date:	06.03.2018
Use:	AVR Gulmohar Homes	Time:	12.30pm
		Req. No.	52288
	Urgent	ID No.	40672
Description			

[illegible]

arks: Above material for drinking water purpose purpose at site.

Prepared By	A.Vijay Baaskar	Approved by	
& Date	06.03.2018	Sign. & Date	

Dr. HARI BABU

Prepared by :	Hari Babu			
Date:	23-01-2018			
Subject	1000 LPH R.O Plant comparison			
site	Modi realty Miryalguda IIP			
Sl. No.	Item Description	Earlier Price	Universal Chemicals	Icon water Solutions
		icon water Solution	Rs:	Rs:
		Vista Homes - 02.08.17		
1	1000 LPH R.O Plant comparison	2,20,000.00	2,89,100.00	2,54,800.00
		Nilgiri states 18.02.17		
		2,25,000.00		
		BNC Estates - 19.11.15		
		2,11,000		
			2,89,100.00	2,54,800.00
	Discount		20,000.00	14,000.00
			<u>2,69,100.00</u>	<u>2,40,800.00</u>
	Tranportation		Extra	Included
	Membranes		Hydranatics	Hydranatics
	Pressure Pump		Kirloskar - 2Hp	CRI
	Payment		70% Advance 20% against despatch 10% Installatin & Commissong	50% Advance 40% against despatch 10% Installatin & Commissong
	Delivery		10 days	10 days
	Warranty		1 Year	1 Year
	AMC charges		10,200.00	10,200.00

Earlier 2,25,000
 now 2,40,800
 Installation 2-3 hrs
 with GST
 2,25,000
 10,000
 2,35,000

Settle for
 2.15 lac
 with GST
 80/1/18

23/1/18

Earlier we purchased with net 3%
 now GST 18%. Above prices for Modi realty
 Miryalguda IIP including all (GST bill, out station
 transportation, installation etc)

PUR

Prepared by :	Hari Babu		
Date:	05-12-2017		
Subject	1000 LPH R.O Plant comparition		
site	Modi realty Miryalgua llp		
Sl. No.	Item Description	Universal Chemicals	Icon water Solutions
		Rs:	Rs:
1	1000 LPH R.O Plant com	2,89,100.00	2,54,800.00
		2,89,100.00	2,54,800.00
	Discount	20,000.00	14,000.00
		2,69,100.00	2,40,800.00
	Tranportation	Extra	Included
	Membranes	Hydranatics	Hydranatics
	Pressure Pump	Kirloskar - 2Hp	CRI
	Payment	70% Advance 20% against despatch 10% Installatin & Commissong	50% Advance 40% against despatch 10% Installatin & Commissong
	Delivery	10 days	10 days
	Warranty	1 Year	1 Year
	AMC charges	10,200.00	10,200.00

HP
6/12/17

Hari babu,
Compare with earlier
purchase.

h
17/1/18.

Calculation of GST price.

Date	22-01-2018		
S No	Description	Qty.	Units
1	Say base price of an item before 30.06.17 was	100.00	Rs.
2	Rate of excise or service tax	-	percentage
3	Excise/service tax amount	-	Rs.
4	Base price + tax	100.00	Rs.
5	Rate of CST/VAT	5.00	percentage
6	CST/VAT amount	5.00	Rs.
7	Old rate = base price + taxes	105.00	Rs.
8	Applicable GST rate	18.00	percentage
9	GST amount	18.00	Rs.
10	New rate = base price + GST	118.00	Rs.
11	Ratio of new rate/old rate	1.12	ratio
12	Percentage increase in rate	12.38	percentage
13	Item R.O Plant 1000 LPH		
14	Old rate before GST with all taxes	2,20,000.00	Rs.
15	New rate with GST should be	2,47,238.10	Rs.

Note:

Enter rate of service tax, excise duty, VAT and GST as applicable for the item.

Enter item details

Item Wise PO(s) Price List

From : 01-01-2016 TO : 23-01-2018

23-01-2018 12:56:55

Supplier Name Icon Water Solutions
Company Name Nilgiri Estates
Item Name 5038 - Equipment - machinery - R.O. Plant - other - nos

POID	Date	Other Specifications	Qty	Rate	Dis%	GST%	Net Amount
41454	18-02-17	2000 LPH	1.00	280000.00	0.00	0.00	280000.00
41454	18-02-17	1000 LPH	1.00	225000.00	0.00	0.00	225000.00
***** Total Quantity And Average Rate			2.00	252500.00			505000

Supplier Name Icon Water Solutions
Company Name Vista Homes
Item Name 5038 - Equipment - machinery - R.O. Plant - other - nos

POID	Date	Other Specifications	Qty	Rate	Dis%	GST%	Net Amount
37602	02-08-16	1000 LPH	1.00	220000.00	0.00	0.00	220000.00
***** Total Quantity And Average Rate			1.00	220000.00			220000

Work Order

Page(s) 1 Of 1

23-01-2018 12:56:55

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From Company : **Nilgiri Estates**
5-4-187/3 & 4, IIInd Floor, M.G.Road, Secunderabad - 500003.
G S T No. : 36AAHFN0766F1ZA

Supplier Details

Icon Water Solutions
C/O 49-253/1, IDA, Padma Nagar, Phasse 1, Chintal, Hyderabad - 55.

8497927928-Sreenu(M.P.)

9949989287/9052394142

Doc No	41454	70494
Doc Date	18-02-2017	
Quote No	Nil	
Quote Date	02-02-2017	
SupplyType	Supply And Installation	

Kind Attn : Mr.V.Srinivas

Work Order for the Supply of following Items.

Item Name	Qty	Rate	Dis%	GST%	Amount
1 5038 - Equipment - machinery - R.O. Plant - other - nos 1000 LPH	1.00	225,000.0	0.00	0.00	225,000.00
2 5038 - Equipment - machinery - R.O. Plant - other - nos 2000 LPH	1.00	280,000.0	0.00	0.00	280,000.00
Total Order Value . . .					505,000.00

Rupees : Five Lakh(s) Five Thousand Only.

Terms and Conditions :-

Specification / Brand	Feed pump - CRI Make,sand & corbon filter Pentair brand , membrane Polymaide USA, Other speciations as per your quote dated 02.02.17
Payment Terms	50% advance, 40% after delivery of all material and 10% on completion of Installation.
Tax	All taxes included in above price.
Delivery Date	Within 7 days from the date of Work Order
Delivery Location	Nilgiri Homes Sy.No.128, Rampally, Keesara, Hyd. Off main road connecting Rampally X rd to Ghatkesar. Phone. Contact: Narendher - 9502211799
Penalty For Delay	Nil
Transportation Cost	Included in the above price.
Warranty	1 year from dt. of commissioning.
Advance Paid	Advance Rs:2,52,500/- Vide ch no: _____ dated 18.02.17of hdfc bank
Other Terms	We reserve the right to reject items not conforming to quality and specifications.Amc Rs:12,000/- annum.Installation charges included in the above prices. Above order for Site Drinking purpose.
Completion Date	Within 5 days from the date of Work Order
Measurment	Nil
Security	You shall be responsible for your material at our site against theft or damage. Lockable rooms shall be provided on request.
Remarks	For A Block emergency sump purpose.

For **Nilgiri Estates**

Authorised Signatory

Accepted the above Terms And Conditions

For **Icon Water Solutions**

Name : _____

Name : _____

Date : __/__/__

Work Order

Page(s) 1 Of 1

23-01-2018 13:57:37

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From Company : **B and C Estates**
5-4-187/3&4 II floor, M G Road, Secunderabad 500003
G S T No. : 36AAHFB7046A1ZT

Supplier Details

Icon Water Solutions
C/O 49-253/1, IDA, Padma Nagar, Phasse 1, Chintal, Hyderabad - 55.

8497927928-Sreenu(M.P.)
9949989287/9052394142

Doc No	32971	82174
Doc Date	19-11-2015	
Quote No	Nil	
Quote Date	14-10-2015	
SupplyType	Supply And Installation	

Kind Attn : Mr.V.Srinivas

Work Order for the Supply of following Items.

Item Name	Qty	Rate	Dis%	GST%	Amount
1 5038 - Equipment - machinery - R.O. Plant - other - nos 1000 LPH	1.00	190,000.0	0.00	0.00	190,000.00
Total Order Value . . .					190,000.00

Rupees : One Lakh(s) Ninty Thousand Only.

Terms and Conditions :-

Specification / Brand Feed pump - CRI Make, sand & carbon filter Pentair brand , membrane Polymaide USA, Other speciations as per your quote.

Payment Terms 50% advance, 50% on installation completion

Tax All taxes included in above price.

Delivery Date Within 7 days from the date of Work Order

Delivery Location May Flower Grande
Sy.no.191, Mallapur Main Road, Hyderabad -500076
Phone. Contact no. :9502211011 - (Mr. V.Ravi-admin)

Penalty For Delay Nil

Transportation Cost Included in the above price.

Warranty On all equipments 1 year from dt. of commissioning. By back old 100 LPH Ro plant(Rs:21,000/-)

Advance Paid Advance Rs:95,000/- Vide ch no:005359 dated 19.10.15 of hdfc bank

Other Terms We reserve the right to reject items not conforming to quality and specifications.Amc Rs:10,200/- annum.Installation included. Above order for Site Drinking purpose.

Completion Date Within 10 days from the date of Work Order

Measurment Nil

Security You shall be responsible for your material at our site against theft or damage. Lockable rooms shall be provided on request.

Remarks For A Block emergency sump purpose.

190,000
21,000
179,000

For **B and C Estates**

Authorised Signatory

Accepted the above Terms And Conditions

For **Icon Water Solutions**

Name : _____

Name : _____

Date : __/__/__

Work Order

Page(s) 1 Of 1

02-08-2016 15:51:17

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From Company : **Vista Homes**
5-4-187/3 & 4, IInd Floor, M.G.Road, Secunderabad - 500003
T I N No. : 36292192903

Supplier Details

Icon Water Solutions
C/O 49-253/1, IDA, Padma Nagar, Phasse 1, Chintal, Hyderabad - 55.

8497927928-Sreenu(M.P.)
9949989287/9052394142

Doc No	37602	44620
Doc Date	02-08-2016	
Quote No	Nil	
Quote Date	02-04-2016	
SupplyType	Supply And Installation	

Kind Attn : Mr.V.Srinivas

Work Order for the Supply of following Items.

Item Name	Qty	Rate	Dis%	VAT%	Amount
1 5038 - Equipment - machinery - R.O. Plant - other - nos 1000 LPH	1.00	220000.00	0.00	0.00	220000.00
Total Order Value . . .					220000.00

Rupees : Two Lakh(s) Twenty Thousand Only.

Terms and Conditions :-

Specification / Brand Feed pump - CRI Make,sand & corbon filter Pentair brand , membrane Polymaide USA, Other speciations as per your quote dated 02.04.16

Payment Terms 50% advance, 40% on delivery of all material and 10% on completion of Installation.

Tax All taxes included in above price.

Delivery Date Within 7 days from the date of Work Order

Delivery Location Vista Homes
Sy. No. 193, Kapra, Hyd. From ECIL take left in lane opposite MRR school
Phone. Contact: 9502211022

Penalty For Delay Nil

Transportation Cost Included in the above price.

Warranty 1 year from dt. of commissioning.

Advance Paid Advance Rs:1,10,000/- Vide ch no:002924 dated 02.08.16 of hdfc bank

Other Terms We reserve the right to reject items not conforming to quality and specifications.Amc Rs:12,000/- annum.Installation charges included in the above prices. Above order for Site Drinking purpose.

Completion Date Within 5 days from the date of Work Order

Measurment Nil

Security You shall be responsible for your material at our site against theft or damage. Lockable rooms shall be provided on request.

For **Vista Homes**
Authorised Signatory

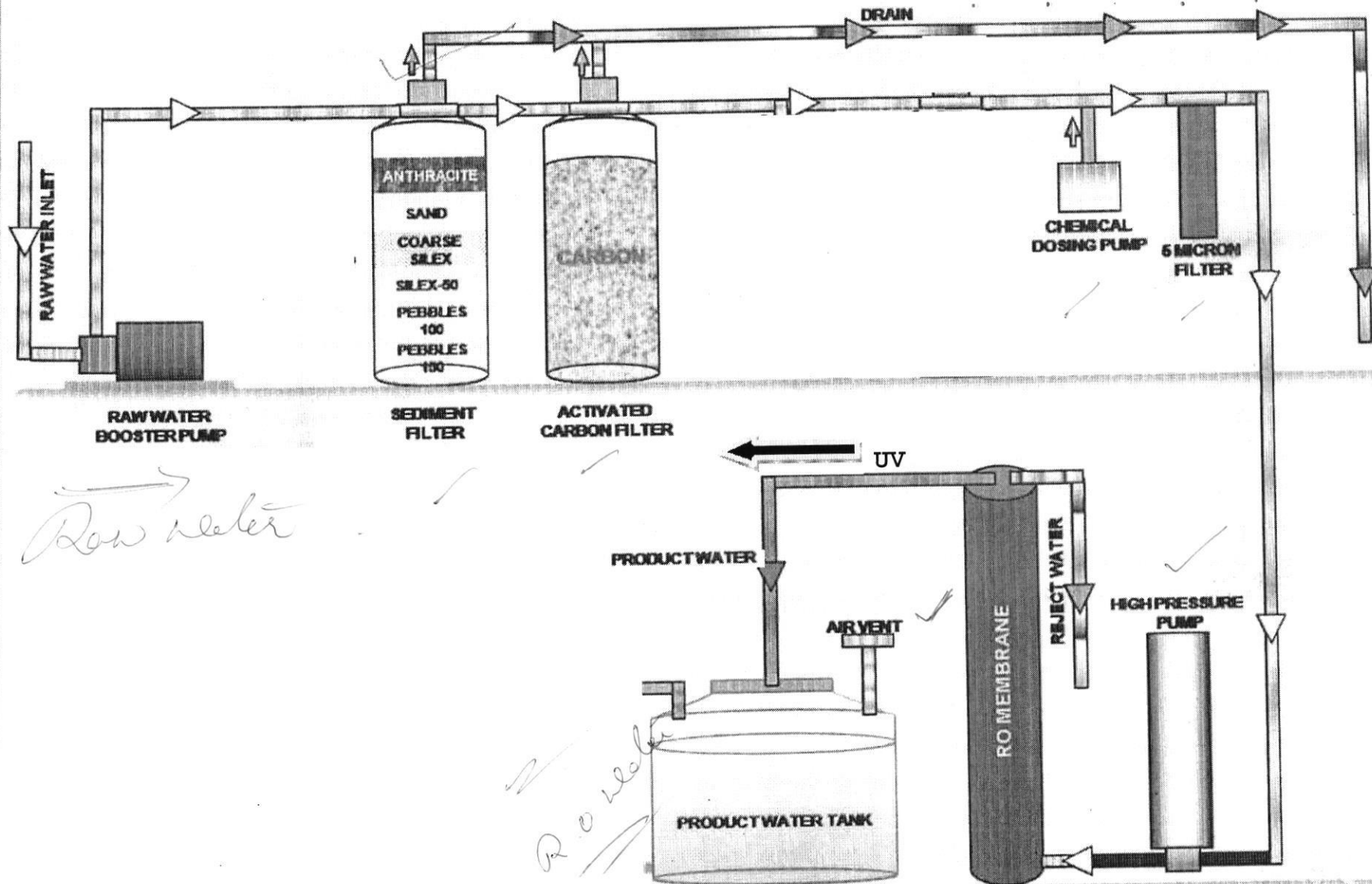
Accepted the above Terms And Conditions
For **Icon Water Solutions**

Name : _____

Name : _____

Date : __/__/__

R.O. FLOW DIAGRAM



Cell:9949989287
9052394142

ICON WATER SOLUTIONS

(Trust In Every Drop)

#49-253/1, Padma Nagar Phase-1, Chintal, Hyderabad - 500 072.

E-mail : iconwatersolutions@gmail.com

R.O. WATER PURIFIERS • R.O. PLANTS • WATER SOFTNERS • PRESSURE PUMPS • RO DOSING & CLEANING CHEMICALS

DATE: 13-11-2017

**M/S: MODI PROPERTIES
HYDERABAD.**

KIND ATTN: MR.HARI BABU ,

SUB: Offer for (1000 LPH) RO plant

Dear Sir,

This has the reference to the above mentioned subject; now we are pleased to submit our Techno Commercial offer here as under:

We hope you will consider us to provide an opportunity to use our system to enhance process productivity and quality.

We look forward to your valued response.

Thanking you and assuring the best of our services at all time.

Yours faithfully,

For **M/S.ICON WATER SOLUTIONS**

V.SRINIVAS,
9949989287,
9052394142.

Quotation/ Pro forma Invoice

SL No	Description	Qty
01	1000 LPH Water processing system Equipments offered:-	
	a. Raw water Pump	1 no ✓
	b. Pressure sand filter	1 No ✓
	c. Activated Carbon filter	1 No ✓
	d. Dozing pump	1 No ✓
	e. Micron filter (Pre)	2 no ✓
	f. Reverse Osmosis system	1 No ✓
	g. Treated Water Pump	1 no ✓
	h. UV Sterilizer	1 no ✓

Our Offer has been divided into the following section, which from integral parts of our offer.

- SECTION I – TECHNICAL STANDARDS
- SECTION II - SCOPE OF SUPPLY
- SECTION III - SCHEDULE OF EXCLUSIONS
- SECTION IV – PRICE & COMMERCIAL SCHEDULE

SECTION I – TECHNICAL STANDARDS

FEED WATER QUALITY

TDS: Not specified

We have designed the system at 1000ppm in order to cover the increase in Bore well TDS over a period of time

PRODUCT WATER QUALITY

As per BIS Standards.

BRIEF PROCESS DESCRIPTION

The scheme comprises of pre-treatment followed by Reverse Osmosis System.

PRE TREATMENT

In pre-treatment section, raw water is first stored in raw water tank (to be provided by the client) from where it is fed to sand for filtration of suspended particles followed activated carbon filter to remove Color & Odor from the water. The stream of soft water is then fed to micron cartridge filter of 5 micron for fine filtration of water and make it fit for further feeding it to RO Modules.

Chemical Treatment

In Chemical treatment, we have considered Anti-scalant dosing system to avoid scale formation in membranes.

RO SYSTEM

Fine filtered water is fed to R.O. Membranes through high- pressure pump at a necessary pressure so that Reverse Osmosis may occur and to get permeate of desired TDS.

RO Plant is all necessary instruments and inter -connecting and valves for adequate operation.

Post Treatment:

Further the water passed through Ultra Violet chamber to sterilize the water and Ozonation will done in the product water storage tank.

TECHNICAL SPECIFICATION FOR 1000 LPH

RAW WATER PUMP

Make	:	CRI/Equivalent
MOC	:	CI
Flow rate	:	3000 lph

PRESSURE SAND FILTER

MOC	:	Pentair
Quantity	:	One
Diameter	:	13"
Height	:	54"
Type	:	vertical
Volume	:	106 liters
Max Working Pressure	:	5.5 Kg/cm ²
Min Working Pressure	:	2Kg/cm ²
Flow rate	:	3000 lph
Back wash interval	:	24 HRS
Multi Port Valve	:	40 nb
Duration of Backwash	:	15-20 MINS
Media	:	Multi Grade of pebbles and sand

ACTIVATED CARBON FILTER

MOC	:	Pentair
Quantity	:	One
Diameter	:	13"
Height	:	54"
Type	:	vertical
Volume	:	106 liters
Max Working Pressure	:	5.5 Kg/cm ²
Min Working Pressure	:	2Kg/cm ²
Flow rate	:	3000 lph
Back wash interval	:	24 HRS
Multi port valve	:	40 nb
Duration of Backwash	:	15-20 MINS
Activated Carbon	:	50kg
Carbon Iodine Value	:	400 – 500

ANTISCALLANT DOSING PUMP

Quantity	:	1no.
Make	:	E-Dose/Equivalent
Flow rate	:	0 – 6Lph
MOC	:	pp
Dosing Tank	:	50ltrs
MOC	:	HDPE

MICRON CARTRIDGE FILTER (Pre)

Quantity	:	2 no
MOC	:	FRP
Diameter	:	Slim
Height	:	20 inches
Micron size	:	5 micron

REVERSE OSMOSIS SYSTEM 1000 LPH

Type of Membrane	:	Polyamide
Make	:	Ge/Hydranautics, USA/Equivalent
Size	:	8" X 40" (1No's)
No. of pressure vessels	:	1No.
Membrane Winding	:	Thin film Composite
High pressure pump	:	CRI/Equivalent
Flow rate	:	3000 Lph
Rating	:	11bar
Recovery	:	45% -55%
Pressure Tubes	:	FRP
Make	:	Alfa Composite/ Equivalent
Flow meter	:	Flow Meter mounted on the panel
Mounting	:	SS Skid.

U.V.STERILLIZER

Type	:	Vertical flow turbulence type
Model	:	SAP/Equivalent
Construction	:	Stainless steel
No of UV Lamps	:	1 No
Operating temperature	:	100 ⁰ C
Flow rate	:	1500 Lph
Working pressure	:	80 psi
Efficiency	:	99.9+ destruction of microorganisms
Intensity	:	220 nanometers

Flow Chart

Raw water Storage tank → Raw Water Pump → Multi grade Sand Filter → Activated Carbon Filter → Anti-scalant Dosing System → Micron Cartridge Filter → High Pressure Pump → Membrane → UV system → product water tank

PLANT MOUNTED INSTRUMENTS

We have considered adequate level of instrumentation like Flow meter, Pressure Gauges, Pressure Switches to enable easy operation of the plant.

PIPING & VALVES

All piping shall be in CPVC up to Storage Tank.

ELECTRICAL

Total power required : 1 phase or 3phase

Client shall terminate cable up to our control panel. We shall supply control Panel and control cabling from panel to skid.

SECTION II – SCOPE OF SUPPLY

- Raw water pump.
- One FRP- Pressure Sand Filter with necessary fittings(3000 lph)
- One activated carbon filter system to remove bad colour ,bad smell, odour & other chemical impurities (3000 lph)
- One softener system to remove hardness in the water(1500 lph)
- One Antiscalant Dosing System.
- One complete Skid mounted RO Plant 1000 lph of the said capacity and recovery system which will consist of RO Membranes, Pressure vessels to house the membrane, Micron Cartridge Filter, High pressure pump and motor mounted in a skid. High pressure piping will be in CPVC, and Low pressure piping will be in PVC
- Ultraviolet lamp.

SECTION III – SCHEDULE OF EXCLUSIONS

- Clear raw water as per you water report.
- Raw water storage tank.
- Water and Electrical connection to the plant.
- Reject water disposal.
- Necessary Civil works.
- Necessary piping work.
- Foundations tanks and all civil works
- Supply of electrical power at our panel, earthing including equipment earthing.
- Reject water drainage.
- Operator

196
Sube 205
+ 107

SECTION IV – PRICE & COMMERCIAL SCHEDULE

1. Price

1. 1000 lph Reverse Osmosis Water purification System with specifications in the scope of supply is Rs. 2,10,000/- (Rupees Two lacks Ten thousand only)

2..TAX&Duties:-GST@18%

187.1
371800
214200
7000
254200
Comp

3. Erection/ commissioning charges: RS 7,000/-

4. Price quoted is : Ex – Hyderabad

5. Payment Terms:

75% of the contract value as advanced along with your order.
15% against dispatch of equipments from works.
10% after Installations and commissioning.

6. Transit Insurance: Nil.

7. Freight Charges: At Actual.

8. Delivery Period Time Schedule:

We confirm we shall complete our scope of work within a period of 4-5 weeks from the date we receive your work order along with the necessary advanced payment.

9. Warranty:

The equipment supplied is guaranteed for a period of 12 months from the date of commissioning.

OR

15 months from the date of last major supply, whichever is earlier

Please note that membranes supplied in our system are warranted as per standard terms of respective membrane manufacturer.

Equipment guarantee is valid against defective workmanship or poor performance of the system. Our liability is limited to repair or replace the same and not subject any wear and tear and spares due to regular operation of the system. Our above guarantee is subject to the following terms:

- 1) Spare parts, chemicals and consumables used in our system shall be as recommended by us.
- 2) Preventive maintenance of the plant as suggested by us.
- 3) Maintaining operation and maintenance data / log sheets as recommended by us and note that log sheets should be made available to us whenever it is required.
- 4) Maintaining limiting conditions of the system as suggested.



UNIVERSAL WATER CHEMICALS (P) LTD

a wise choice for water solutions...



Sy. No. 19, Plot No. 160, Universal Bhavan, Krishna Nagar Colony, Moula-Ali, Uppal Mandal, Hyderabad - 500 040.
Ph : 040 - 6526 4118, 6999 3353 Mobile : 98498 75233, 98490 79566, 996390 5657
Email : admin@universalchemicals.co.in Website : www.universalchemicals.co.in

Ref: UWCPL/QTN/MPIPL/A-3/320-03/17-18

DT: 22/11/17

TO,

M/S. MODI PROPERTIES & INVESTMENTS PVT LTD,
SECUNDERABAD.

KIND ATTN: Mr. HARI BABU – ASST. MANAGER - PURCHASE

SUB: QUOTE FOR REVERSE OSMOSIS SYSTEM FOR CAPACITY OF 1000 LPH

Dear Sir,

With reference to the discussion had with you regarding REVERSE OSMOSIS SYSTEM WITH CAPACITY OF 1000 LPH, we are pleased to quote our price for your kind perusal.

Please find the detailed terms & conditions.

1. ANNEXURE - TECHNICAL NOTES
2. ANNEXURE - SCOPE OF SUPPLY
3. ANNEXURE - EQUIPMENT SPECIFICATIONS
4. ANNEXURE - COMMERCIAL SECTION
5. ANNEXURE - SCHEMATIC DIAGRAM

We trust you will find the above meeting your requirements.

Now we are looking forward to receive your valuable order at the earliest to enable us to meet your dispatch schedule.

Thanking you and assuring you of our best attention and services at all times.

CONTD....2



UNIVERSAL WATER CHEMICALS (P) LTD

a wise choice for water solutions...



Sy. No. 19, Plot No. 160, Universal Bhavan, Krishna Nagar Colony, Moula-Ali, Uppal Mandal, Hyderabad - 500 040.
Ph : 040 - 6526 4118, 6999 3353 Mobile : 98498 75233, 98490 79566, 996390 5657
Email : admin@universalchemicals.co.in Website : www.universalchemicals.co.in

ANNEXURE 1 - TECHNICAL NOTES

The system being proposed by us is designed from Bore Water sample collected from you. Please see the analysis report attached herewith.

PROCESS DESCRIPTION

At UNIVERSAL we take almost care to design any Water Treatment system to give required outputs at all the times. At each stage of design we are taking minute details into consideration, which can optimize the system.

The raw water is fed in the inlet of the sand filter for removing of Suspended Solids and Turbidity from the water. After Sand filter, Activated Carbon filter is provided to reduce color, odor, smell & etc., Then anti Scalent Dosing has been provided to prevent the membranes scaling due to Calcium carbonate and Calcium sulphate salts.

Then water is passed through the cartridge filter to reduce the SDI below acceptable limits for RO membranes i.e. 4. The cartridge filter also takes care of any foreign particle and prevents it from going to high-pressure pump to prevent the damage of high-pressure pump.

Then water is pumped at high pressure through RO block, wherein, the major quantity of dissolved salts are rejected in the reject stream and almost the pure water or permeate comes as a separate stream.

The RO system comprises of R.O. membranes housed in **FRP Pressure Vessels**. All interconnecting low-pressure and high pressure. Necessary instrumentation is provided to monitor the operation of the system.

Almost all components / equipment's of the R.O. Unit will be pre-engineered, pre-wired, pre-tested and ready for use after giving necessary interconnections. The RO system will be totally skid mounted. Each unit will be a product of high quality workmanship, skilled and experienced mechanical design.

Thus 100% pure water is ready.

CONTD...3



UNIVERSAL WATER CHEMICALS (P) LTD

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Email : admin@universalchemicals.co.in Website : www.universalchemicals.co.in

ANNEXURE 2 - SOPE OF SUPPLY (1000 LPH R.O SYSTEM)

- | | | |
|---|----------|---|
| 1. FEED PUMP | - 1 NO.S | ✓ |
| 2. SAND FILTER | - 1 SET | ✓ |
| 3. ACTIVATED CARBON FILTER | - 1 SET | ✓ |
| 4. DOSING PUMP | - 1 SET | ✓ |
| 5. MEMBRANE HOUSINGS | - 4 NO.S | ✓ |
| 6. RO MEMBRANES | - 4 NO.S | ✓ |
| 7. HIGH PRESSURE PUMP | - 1 NO.S | ✓ |
| 8. PRESSURE GAUGES | - 4 NO.S | ✓ |
| 9. ROTO METERS | - 2 NO.S | ✓ |
| 10. CONTROL PANEL WITH CONDUCTIVITY METER | - 1 SET | |
| 11. S.S SKID | - 1 NO.S | ✓ |
| 12. SOLENOID VALVE | - 2 NO.S | ✓ |
| 13. MICRON FILTERS | - 2 NO.S | ✓ |
| 14. UV SYSTEMS | - 1 NO.S | ✓ |

CONTD...4



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ANNEXURE 3- EQUIPMENT SPECIFICATIONS:

1. FEED PUMP - 1 NO

Numbers offered	:	One
Max. flow	:	5000 Liters per hour(30 M HEAD)
H.P	:	1.0 hp
Make	:	KIRLOSKER/LEO.

2. SAND FILTER - 1 SET

Max. Treatment Flow	:	5 M ³ /hr
Max. Operating Pressure	:	2 kg/cm ²
Height on Straight	:	1350 mm
Unit Diameter	:	325 mm
MAKE	:	ADVANCED/PENTAIR
Filter Media	:	Quartz Sand
Frontal Pipe work	:	1 INCH C-PVC LINES
Material of Construction	:	FRP VESSEL
Model	:	(1354 model)
QUANTITY	:	100 KGS.
MPV	:	25NB
MAKE	:	INITIATIVE

3. ACTIVATED CARBON FILTER : 01 SET

Max. Treatment Flow	:	4 M ³ /hr
Unit Diameter	:	325 mm
Height on Straight	:	1350 mm
MAKE	:	ADVANCED/PENTAIR
Filter Media	:	ACTIVATED CARBON (IV-600)
Frontal Pipe work	:	1 INCH C-PVC LINES
Material of Construction	:	FRP VESSEL
Model	:	(1354 model)
QUANTITY	:	25 KGS.
MPV	:	25NB
MAKE	:	INITIATIVE

CONTD...5



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4. ANTISCALANT DOSING SYSTEM

Dosing pump	:	1No. (On line)
Capacity	:	Max 6 LPH
Storage tank	:	1No- HDPE.
Make	:	E-DOSE – EMBARK.
Dosage	:	100ml
Storage tank capacity	:	On the basis of working hours
Dosing Chemical	:	Antiscalant Chemical (SCALE PREVENTIVE)

REVERSE OSMOSIS SYSTEM

Model	:	RO – 1KL
Feed Flow rate	:	2,000 LPH
Treated Water Flow Rate	:	1,000 LPH
Reject Water Flow Rate	:	1,000 LPH

5. RO Membrane

	:	4 No.
Membrane Type	:	Spiral wound
Membrane size	:	4" dia x 1m length
Membrane specification	:	Thin Film Composite polyamide
Make:	:	FILMTECH/HYDRANAUTICS.

6. NO. OF MEMBRANE HOUSING : 4 No- ADVANCED/UKL/ECOLINE (FRP housings)

Size: 4 inch dia x 1m

7. HIGH PRESSURE PUMP

: KIRLOSKER/ LEO, 3000 lph

Make pump with SS impellers & CI inlet/outlet port,

MOTOR HP / KW : (1 KW) 2 HP

INSTRUMENTATION

8. PRESSURE GAUGES – 4 NO.S

TYPE : GLYCERINE

MAKE : WAREE/BAUMER

CONTD....6



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9. ROTA METERS – 2 NO.S

MOC : PVC

MAKE : ASTER

10. R.O. SKID-01 NO.S

MOC : SS 304

THICKNESS : 1.6 MM

11. CONTROL PANEL WITH CONDUCTIVITY METER(ONLINE) -1 SET

MOC: PVC

12. SOLENOID VALVE- 2 NO.S

TYPE : Normally close.

MOC : SS

MAKE : AIRA

TYPE : MONITORISED

SIZE : 1 INCH

13. (5) MICRON FILTER- 2 NO.S

MOC : AEP

Size : 20 INCHES.

MAKE : BIG BLUE

14. U.V SYSTEM – 1 NO.S

MOC : SS 304

Make : Alfa

Service Flow : 1,000 Liters per Hour

CONTD....7



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SCHEDULE OF EXCLUSIONS

A list of exclusions from your supply is given below:

1. All types of Civil Works like foundations, drains, drain sumps. ✓
2. The raw water supply at the inlet with raw water feed pump. ✓
3. (a) Incoming supply to our instrument panel. ✓
(b) Plant lighting, earthing, cable trays. ✓
4. Piping up to the inlet of the Raw water tank. ✓
5. Handling and safe storage of the material at site. ✓
6. All consumables and chemicals required during commissioning of the plant. ✓
7. All supplies, workings and services, not specifically mentioned as forming part of our offer. ✓
8. Raw water storage tank. ✓
9. CPVC Pipe line fittings ✓
10. Raw water, product water and reject water storage tanks are your scope ✓

REGULAR CONSUMABLES (CUSTOMER SCOPE)

1. MICRON FILTERS
2. UC-6688 (ANTISCALENT)

ANNEXURE 4 - PRICE, COMMERCIAL TERMS & CONDITIONS

- Our price for Design, Engineering and supply of the above mentioned scheme of 1,000 Liter per Hour RO System is @Rs.2,45,000/-

(RUPEES TWO LAKH FORTY FIVE THOUSAND ONLY)

CONTD....8

QST 181.

2,45,000
44,100
2,89,100/-



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F.O.R : Ex-Our office, MOULA-ALI, Hyderabad -040.
TRANSPORTATION : EXTRA
TAXES : GST 18% EXTRA ✓
Payment : 70% as advance, 20% against delivery & 10% after completion of work.
Delivery : Within a week from the date of receipt of PO with

COMMISSIONING & ERECTION: INCLUDING

OUR BANK : HDFC
OUR GST NO : 36AAHCR2118Q1ZZ
OUR BANK ACCOUNT NO : 50200016417121
OUR RTGS/ IFSC CODE : HDFC0004095
WARRANTY : Applicable for manufacturing defects.

NOTE: WE WILL PROVIDE FREE SERVICE UP TO 1 YEAR (EXCEPT FOR MEMBRANES)

We hope the proposal is as per your requirement. If you need any more clarifications or seek more information, we would be glad to hear from you.

Thanking you and assuring of our best service attention always, we remain.

Thanking You,

Yours Faithfully

for Universal Water Chemicals (P) Ltd

Srinivas Durgam

Director – Marketing

Cell: 9963905657.

CONTD....9



UNIVERSAL WATER CHEMICALS (P) LTD

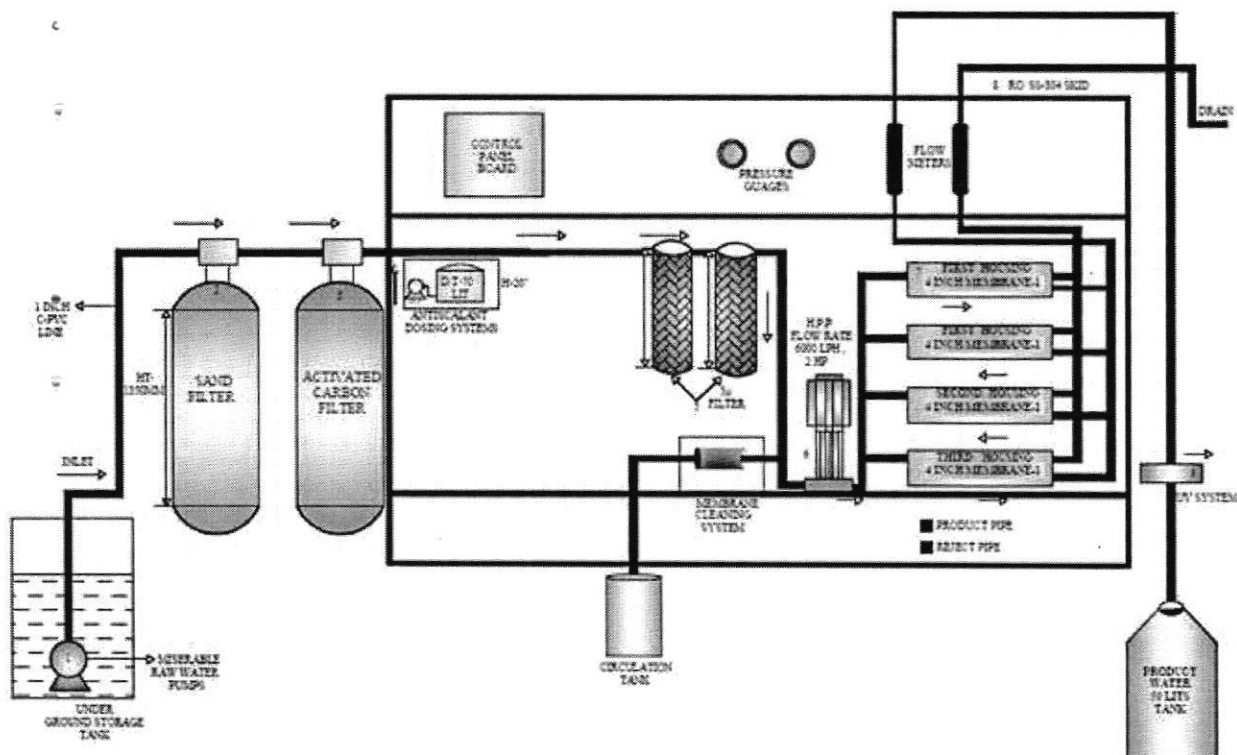
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S. NO	EQUIPMENT SPECIFICATION	SIZE
1	RAW WATER PUMP	12 M3/HR, 1 HP
2	MULTIGRADE SAND FILTER	HT. 1350 MM; DIA : 325 MM
3	ACTIVATED CARBON FILTER	HT. 1350 MM; DIA : 325 MM
4	MICRON FILTER - 2 NO	20 INCH HT, HDPE, JUMBO
5	HIGH PRESSURE PUMP	Q-4 M3/HR, 2 HP
6	RO MEMBRANES - 4 NO, RO HOUSING - 4 NO	DIA 4 INCH, LENGTH - 1MM
7	RO SKID	SS-304, THICKNESS 1.6MM
8	UV SYSTEM	SS-304, LENGTH - 1M, D-3INCH