Kind Attn:

Sub.: Offer for Water Treatment System. (Cap: 500Lit per Hr RO System.)

Dear Sir,

This is with reference with the telephonic discussion had with you regarding the aforesaid subject matter.

We are very much thankful to you for showing your keen interest in our water treatment range of products & furnishing us an opportunity. This will be a small but significant step in establishing the long lasting & mutually beneficial relationship between "NAMRATA TECHNICALS SERVICES "YOUR SELF"

As per your requirement, we are very much pleased to submit our Techno – Commercial proposal for Water Treatment System incorporating latest **REVERSE OSMOSIS Water Treatment System** (500**L.P.H.**).

Meanwhile, if you require any further information, please feel free to contact us for the same.

And 2 ton water chiller on line unit @ Rs. 1,30,000.00

With regards,

NAMRATA TECHNICALS SERVICES 9763291000, 8888668490

BIDINDEX

| ANNEXURE NO. | DESCRIPTION |
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| 1. | BASIS OF DESIGN & TREATMENT SCHEME |
| 2. | TECHNICAL SPECIFICATIONS |
| 3. | SCOPE OF SUPPLY |
| 4. | SCHEDULE OF EXCLUSION & TERMINATION |
| 5. | PRICE, COMMERCIAL TERMS & CONDITIONS. |

ANNEXURE-I

BASIS OF DESIGN AND TREATMENT SCHEME

1.1 PLANT INTRODUCTION:

✓ The proposed Water Treatment Plant is designed to produce product water at the flow rate of 250 L.P.H. based on latest Reverse Osmosis and ion Exchange Technology.

Note: The proposed Water treatment system based on R.O. Technology can even Work continuo sally for 5 - 8 hours per day.

1.2 RAW WATER ANALYSIS:

We have designed the proposed Water Treatment System based on below mentioned Raw Water Analysis provided by you..

| Sr. No. | Parameter | Value |
|---------|-----------------------|--------------|
| 1. | Source Of Water | Bore Water |
| 2. | Total Dissolve Solids | 1500Mg/Liter |

1.3 END WATER QUALITY: -

TDS : < 150 PPM

1.4 RO PLANT OPERATING CONDITION:

| Sr. No. | Parameter | Value |
|---------|--------------------|---------------|
| 1. | Feed Flow Rate | 1400 LPH |
| 2. | Product Flow Rate | 500LPH |
| 3. | Reject Flow Rate | 300 LPH |
| 4. | Operating Pressure | 8 – 11 kg/cm2 |

1.5 TREATMENT SCHEME:

| Sr. No. | Description | |
|---------|--------------------------------------|--|
| PRE-TR | PRE-TREATMENT: | |
| 1. | RAW WATER STORAGE TANK (BY CLIENT) | |
| 2. | RAW WATER PUMP | |
| 3. | MULTI GRADE FILTER | |
| 4. | SPECIAL ANTI-SCALENT DOSING SYSTEM | |
| 5. | MICRON CARTRIDGE FILTER (5.0 MICRON) | |
| R.O.MO | R.O.MODULE | |
| 6. | HIGH PRESSURE PUMP | |
| 7. | R.O. MODULE | |
| 8. | to e WATER STORAGE TANK (BY CLIENT) | |

1.5 R.O. FEED LIMITING CONDITIONS:

| 1] | T.D.S. | 1400P.P.M. (Max.) |
|----|-------------------|-----------------------|
| 2] | Suspended Solids | Nil |
| 3] | Heavy Metals | Nil |
| 4] | Oil and Grease | Nil |
| 5] | Turbidity | Nil |
| 6] | Residual Chlorine | Nil |
| 7] | Color / Odor | Absent |
| 8] | PH | 7.3 |

The END WATER quality shall be achieved subject to:

- Feed quality is same as specified in your enquiry. In case of any change in the quality of raw water, the same may have an implication on the Operating parameters and End-water quality of the system.
- 2] Feed limiting condition mentioned in our offer is strictly maintained.
- Operation of Water treatment plant is strictly followed in totality as per our operating manual & instructions.

ANNEXURE-II

TECHNICAL SPECIFICATION

1] RAW WATER TANK (BY CLIENT)

| 2] RAW WATER PUMP | |
|--------------------|---------------|
| Quantity | One No. |
| Capacity | 1400L.P.H. |
| Discharge Pressure | 3.5 kg/cm1. |
| MOC | CI |
| Make | Any good mfg. |

| 3] MULTI GRADE FILTER | | |
|-----------------------|------------------------------------------------|--|
| Quantity | One No. | |
| Туре | Vertical Pressure Vessel 10*54 | |
| Operating capacity | 1400L.P.H | |
| M.O.C. | FRP- Structural With Manual Multi port valve | |
| Filter Media | Quartz Sand with Pebbles & Gravels. | |
| Service Cycle | Whenever pressure drop across unit exceeds 0.8 | |
| | kg/cm ² . | |
| Backwash Duration | 15 - 20 mins. | |
| | | |
| Operating Pressure | 3.5 kg/cm^2 | |

| 4] SPECIAL ANTISCALANT DOSING SYSTEM | | |
|--------------------------------------|---------------------------------------|--|
| Quantity offered | One No. of Dosing Pump | |
| Туре | Electronic Diaphragm type Dosing Pump | |
| Flow rate | 0 – 5 L.P.H. | |
| | | |
| Operating Pressure | 1.5 kg/cm2 | |
| Make | Painter water / any good brand | |

| 5] MICRON CARTRIDGE FILTER | | |
|----------------------------|-----------------------|--|
| Quantity | Two No. 20" | |
| Туре | Replaceable Cartridge | |
| M.O.C. of Cartridge | Polypropylene | |
| M.O.C. of Housing | Polycarbonate | |
| Operating capacity | 800LPH | |
| Micron Size | 5.0 micron | |

| Operating Pressure | 2.50 kg/cm2. |
|--------------------|--------------|
|--------------------|--------------|

| 6] HIGH PRESSURE PUMP | | |
|-----------------------|--------------------------------------------------------|--|
| Quantity | One No. | |
| Type | Vertical – | |
| Capacity | 700 L.P.H | |
| Discharge Pressure | 12 – 14 kg/cm2 | |
| Type of Drive | III phase squirrel cage induction motor./ single phase | |
| Make | Nangfang PUMPS / CRI any other good brand | |

| 7] R.O. MODULE | |
|-----------------------------|------------------------------------------------|
| Item | R.O. Module with FRP pressure tubes & R.O. |
| Type of Membrane | Thin Film Composite Polyamide Spirally Wounded |
| Operating Pressure | 12 – 14 kg/cm2 |
| Make of membranes | M/s. Hydronotics / USA make |
| No. of Membranes | 1 Nos. |
| M.O.C. of Pressure Housings | FRP |
| Make of Pressure Housing | Painter water |
| No. of Pressure Housings | 1 Nos. |

8| RO WATER STORAGE TANK (BY CLIENT)

ANNEXURE-III

SCOPE OF SUPPLY FOR RO SYSTEM

| Sr. No. | Item/ Component | Qty. | | | |
|-----------------|---------------------------------------------------------------------|-----------|--|--|--|
| PRETREATMENT | | | | | |
| 1. | Raw Water Storage Tank | By Client | | | |
| 2. | Raw water pump | One No. | | | |
| 3. | 3. Multi Grade Filter consists of | | | | |
| | - FRP Pressure vessel with 0.5" multi-port valve. | | | | |
| | - Initial charge of media. | | | | |
| | - Frontal PVC pipe work with necessary fittings. | | | | |
| 4. | Special Anti –Scalent Dosing System | One No. | | | |
| | - Dosing Tank along with Dosing Pump | | | | |
| 5. | Micron Cartridge Filter (5.0 micron) in Blending Line incorporating | TWO No. | | | |
| | - Micron Cartridge Filter | | | | |
| | - Micron Cartridge Housing | | | | |
| 6. | High Pressure Pump with Motor | One No. | | | |
| | | | | | |
| RO MODULE | | | | | |
| 7. | R.O. Module incorporating | One Lot. | | | |
| | R.O. Membrane: M/s good usa brand | | | | |
| | - R.O. Pressure Tubes [M.O.C. :FRP] | | | | |
| | - R.O. Skid with Electrical Control panel Based Control panel along | | | | |
| | with Instruments. | | | | |
| 8. | RO Water Storage Tank | By Client | | | |
| INSTRUMENTATION | | | | | |
| 1. | Flow Indicator | Two Nos. | | | |
| 2. | Low pressure Switch | One No. | | | |
| 3. | Pressure Gauges | One Lot. | | | |

| 4. | Reverse Osmosis Control Panel | One No. |
|----|-------------------------------|---------|
| | | |

ANNEXURE-IV

SCHEDULE OF EXCLUSIONS AND TERMINATIONS

CLIENT TO PROVIDE

SCHEDULE OF EXCLUSIONS:

- 1] All civil works such as plant foundation of the equipments, mass concreting, etc.
- 2] Supply of power to Motors, regeneration chemical for trial run and commissioning.
- 3] Laboratory testing facility, Instruments and reagents.
- 4] Lubricants, Oil and Grease as and when required.
- 5] Raw water storage tank, Product water storage tank and transfer pump.

:

- 6] All equipments, works and services, not specifically mentioned in our proposal.
- 7] Storage & site security.

TERMINATION POINTS

- 1] Inlet of Raw water Pump
- 2] Permeate /Reject Outlet of Reverse Osmosis system
- 3] Inlet/ Outlet of Sterilization System
- 3] Overflow and drain pipe work of all vessels
- 4] Power control termination at High pressure pump, RO. Product / Raw water transfer Pump

CLIENT TO PROVIDE:

1] Control supply : $220 \text{ Volts} \pm 10$, Single phase, 50 Hz. for all

Instrumentations.

2] Power supply : $415 \text{ Volts} \pm 10$, three phases, 50 Hz. for High pressure

Pump & other pumps...

3] Service water : Flow Rate @ 700 L.P.H. at the inlet of RWP (Raw Water

Pump)

4] Lab testing facility: for Analysis of water
5] Labor : As and when required.
6] Chemicals : Special Anti-scalent

ANNEXURE-V

PRICE, COMMERCIAL TERMS & CONDITIONS

PRICE :

Our price for Design, Engineering and Supply of Proposed Water Treatment System, based on R.O. System, as described in our earlier Annexure shall be:

| Sr. | DESCRIPTION | QTY. | AMOUNT |
|-----|---------------------------------------------------------------------------|-------|-------------------|
| 1. | Reverse Osmosis based Water Treatment System (Cap –500 LPH) vertical pump | 1 No. | Rs. 1,95,,000 .00 |
| 2 | 2 ton on line chiller | 1 no | Rs. 1,30,000.00 |
| | | | |

Our price is Ex-works (Factory) and Exclusive of

- Transportation up to your site.

EXCISE DUTY : Extra at actual, if applicable. At present Nil.

SALES TAX : Extra at actual. At present 12.5 % .vat.

OCTROI : Extra at actual, if applicable.

AND INSURANCE

However, any change in Govt. levies / interpretation /etc. at the time of Execution will be on Buyer's account.

PAYMENT TERMS : 70% Advance along with Detailed Purchase Order.

DELIVERY : Ro AND WATER CHILLER within 4 days time .

With Regards, NAMRATA TECHNICALS SERVICES SATISH JADHAV

Mob: 9763291000