

QUOTATION INQUIRY
R.P.A.D/Speed post Only

P.I.CELL/OUT/No. 1267

Date: 25 /11 /2025

TO,

SUB: -S.E.T.C of 500 L.P.S capacity reverse osmosis (RO) Fully Automatic water purification system with 03 Year C.A.M.C & storage water storage tank work at SMIMER hospital Autoclave department.

Sealed quotations duly super scribed and returnable on or before 05 / 12 / 2025 to **CHIEF ACCOUNTANT, SURAT MUNICIPAL CORPORATION, MUGLISARA, SURAT – 395 003** are invited for as mentioned bellow.

PRICE-SCHEDULE

Sr. No.	Item	Unit	Total Qty.	Total quoted amount without GST
1	S.E.T.C OF 500 LPS FULLY AUTOMATIC REVERSE OSMOSIS (RO) WATER PURIFICATION SYSTEM (02 year Defect Liability period)	Ea.	01	2,28,813.56
2	SUPPLY & INSTALLATION OF 2000 LTR 3 LAYER ANTI BACTERIAL PVC STORAGE TANK	Ea.	01	13,559.32
	Total amount of SITC			2,42,372.88
3	03 YEAR C.A.M.C (After 02 YERA Defect liability period) Rs.45000/-PER YEAR	YEAR	03	1,35,000.00
	Total amount of SITC with 03 year C.A.M.C without GST			3,77,372.88

The bidder are requested to quote their bid in % Above/Below of above estimate amount

% ABOVE than Estimate amt	% BELOW than Estimate amt
Figurer%	Figurer%
In word%	In word%

Sign & Seal of Contractor

General Terms, Conditions:

- (1) The agency must visit the site before quoting the Rates.
- (2) Quotation once offered shall not be withdrawn by Vendor.
- (3) Quotation once accepted shall be binding to the Vendor/Contractor.

- (4) Quoted rate must be **WITHOUT GST** & include all other taxes, duties/ levies, freight, insurance, transportation, delivery and Loading unloading at the site etc Complete.
- (5) The decision of Deputy Commissioner shri, Public Infrastructure Cell, SMC shall be final in respect of disputes what so ever arise.
- (6) Right to accept any or to reject any or all the offers without assigning any reason thereof is reserved by the competent authority of Surat Municipal Corporation. Surat.
- (7) All necessary safety measures and precautions (including those laid down in the various relevant Indian Standards) shall be taken to ensure the safety of men, materials and machinery on the works as also of the work itself.
- (8) Overall lowest bidder shall be taken for consideration.
- (9) Conditional offer shall not be accepted.
- (10) **Defect liability** period for the above entire work shall be **of Two (02) year from the work completion**.
- (11) The contract shall be constituted according to and subject to laws in India and state of Gujarat and under the jurisdiction of courts of Gujarat at Surat City only.
- (12) **An EMD of Rs.3,800/- in form of DD or Pay Order issued in favour of 'Commissioner, Surat Municipal Corporation' and payable at Surat must accompany this quotation.**
- (13) All the payments shall be made as per prevailing rules of SMC.
- (14) The successful bidder shall have to submit **Two Different Security Deposit for Capital work and for C.A.M.C work shall be deposited at rate of 2 % of the awarded value** within 15 days from the date of the work order. Failing of submitting security deposit within 15 days shall lead to a delay penalty at a rate of 0.065% of SD value per day.
- (15) Security deposit of Capital work shall be released after completion of Defect Liability period completes and final bill paid.
- (16) The successful bidder shall have to bind in agreement with Surat Municipal Corporation. Bidder shall have to submit 3 non judicial stamp papers each costing Rs.300/- for agreement, surety and undertaking respectively.
- (17) **The completion period shall be 30 days**. Penalty shall be levied **0.2% of unexecuted work** per day up to maximum **10% of the total contract value** shall be charged from running bill of the contractor if the work is not completed within stipulated time limit.
- (18) **Bidder shall have to write " QUOTATION ", mention name of work, name and address of agency/contractor on sealed envelope & submit on or before Dt. 05/ 12 /2025 to CHIEF ACCOUNTANT, SURAT MUNICIPAL CORPORATION, MUGLISARA, SURAT – 395003 BY R.P.A.D/Speed post Only.**
- (19) **All the pages of this quotation shall be signed and stamped by the bidding agency.**
- (20) Payment shall be made as per actual measurement of work done.
- (21) SMC will provide Electric power supply as per requirement. No labour shall be provided to contractor.
- (22) All civil work shall be in scope of SMC.

Technical Specification

01. The Water Treatment plant should be based on Reverse Osmosis Technology is designed to produce product water at the flow rate of 500 LPH as below mentioned.
02. The water treatment system should be based on R O Technology can even Work continuously for 10 –12 ½ hr per day.
03. MOC of the RO Membrane housing, which houses the RO Membranes inside them. The heart of the system becomes very much critical criteria when the chemical cleaning is done.
04. The Water Treatment System **should be FULLY - AUTOMATIC system**, not the conventional Manual system, which will be operated through control panel.
The control panel should give the continuous display of the Product water quality before it enters into the RO to Product water storage tank.
05. The Water treatment system should be tripped in the eventuality of Low Suction Pressure and High Level.
06. MOC of pressure vessel should be for Dual media Filters.

07. Multi-port valve mechanism should be provided for each of the Filter system instead of conventional Six – valve mechanism to facilitate the smooth operation and less maintenance requirement.
08. All inter connecting as well as frontal pipe-work for the entire system should be made of Advance Extra Strong PVC instead of conventional of SS / MS piping.

09. The system should be with Disciplinary AUTO back wash services of the system.(fully auto)

10. The Water Treatment plant should be based on RO Technology is designed to produce product water at the flow rate of **500 LPH** as per below mentioned

PLANT OPERATING DATA::		
Feed flow rate	::	1400 LPH
Product flow rate	::	500
Reject re-circulation flow	::	00 LPH
Operating Pressure	::	8-12 kg/cm ²

Note: The water treatment system based on RO Technology can even work Continuously for 10 – 15 ½ hours per day.

- TREATMENT SCHEME:
 - A. RAW WATER PUMP
 - B. DUAL MEDIA FILTER UNIT
 - C. MICRON CARTRIDGE FILTER.
 - D. ANTISCALANT DOSING SYSTEM
 - E. HIGH PRESSURE PUMP
 - F. R. O. MODULES

11. RAW WATER PUMP

Quantity offered	::	One No.
Capacity	::	2000 LPH
Discharge pressure	::	2.5 Kg/ cm ²
Power consumption	::	0.5 HP

12. DUAL MEDIA FILTER

Quantity offered	::	Two No.
Type	::	Vertical pressure vessel
Capacity	::	3000 LPH
Dimensions in inches	::	13" Dia. X54" HOS
M O C	::	FRP (Fiber Reinforced Plastic)
Filter media	::	Silica Quartz sand with pebbles & Gravels, Activated Carbon.
Service cycle	::	Whenever pressure drop across unit exceeds 0.8Kg/ cm ²
Backwash duration	::	15 – 20 Minutes.
Discharge pressure	::	2.5 Kg/ cm ²

13. ANTISCALANT DOSING SYSTEM

Quantity offered	::	One No.
Type	::	Electronic diaphragm type dosing pump
Flow rate	::	0 – 6 LPH
HDPE tank capacity	::	500 Ltr.
Operating pressure	::	2.0 Kg / cm ²
Make	::	I does / e dose /equi.

14. MICRON CARTRIDGE FILTER UNIT

Quantity offered	::	TWO No.
Type	::	Replaceable Cartridge
M O C of cartridge	::	Polypropylene
Capacity	::	4000 LPH
Dimension in Inch.	::	Big Blue (Imported)
M O C	::	FRP (Fiber Reinforced Plastic)
Discharge pressure	::	1.0-1.5 Kg/ cm ²

15. HIGH PRESSURE PUMP

Quantity offered	::	One No.
Type	::	Vertical Centrifugal Multi-stage
Capacity	::	1500 LPH
M O C	::	Stainless Steel
Discharge	::	8 – 12 Kg/cm ²
Type of drive	::	Squirrel cage induction motor III Phase
Motor rating	::	2 HP

16.R.O. MODULE

Item	::	R O Module with SS Pressure tubes & R O Membrane.
Type of membrane	::	Thin film composite polyamide spirally wound
Operating pressure	::	10-14 Kg/ cm ²
Make of membrane	::	TORRAY/SHARA/ WATER KRAFT Eq.
MOC of pressure hsg.	::	FRP

17. Bill of Materials

SR. NO.	ITEM / COMPONENT	QUANTITY
01.	Raw water pump with motor	One No.
02.	Dual media filter consist of - - FRP Pressure vessels with manual multi port valve - Initial charge of media - Frontal pipe work with necessary fittings.	Two No.
03.	Micron Cartridge filter (5 Micron) incorporating – - PP Micron cartridge - PP Micron cartridge housing	Two No.
04.	DOSING SYSTEM	One No.
05.	High pressure pump with motor	One No.
06.	R O Module incorporating – - R O Membrane Element - R O Pressure tube (MOC – S.S.) - R O Skid with control panel along with instruments (S.S.) - High pressure interconnecting PVC Piping	One No.
07.	Product water storage tank (By Client)	One No.
	Pressure Control Valve	
01.	WET PANNEL	Two No.
02.	Inlet Pressure Gauge.	Two No.
03.	Flow meter (Product water / Reject Water)	Two No.
	Outlet Pressure Gauge.	
01.	DRY PANNEL	One No.
02.	Low Pressure Switch	One No.
03.	Level Controller	Two No.
04.	Relay contactors	One No.
05.	Auto Flushing System	One No.
06.	Solenoid Valve	Two No.
07.	Timer Contactor	One No.
08.	Ampere meter	One No.
09.	Voltage meter	Five No.
10.	Indicator	Two No.
11.	On/Off Switch	One No.
12.	Online TDS meter	One No.

18. Payment Condition (No advance payment shall be made to contractor)**Capital Works:**

95% of total amount shall be payable after supply of material at site.

5% of total amount shall be paid in final bill

2% from each bill shall be kept as retention and shall be paid in final bill

19. For Annual Maintenance Contract:

- Payment shall be made on quarterly basis.

- 95 % of the bill amount shall be paid as running bill. Remaining

- 5 % of each running bill amount shall be paid in final bill.
- 2% of the bill amount shall be kept as retention and this also shall be released
- in final bill.

20. Penalty criteria for delay of work

SETC: The completion period shall be 1 (One) month including Monsoon from the date of the work order.
Penalty of 0.2% of order value per day for uncompleted work up to maximum 10% of the total contract value will be charged from the bill of the contractor if the work is not completed within stipulated time limit.

C.A.M.C period shall be start after 02 year Defect Liability period completes

AMC: Following are the penalty criteria, which shall be applicable, if scope of work is not followed correctly:

- The Complains shall be on call/ Email/ SMS basis. The contractor will have to attend the complaint immediately within 04 hours from intimation looking to the urgency and sudden failure of the same. If not, penalty of Rs.1000/- per hour shall be levied.
- Penalty of Rs. 5000/- per day will be levied if complaint is not cleared within 2 days.
- Any breakdown call shall be attended immediately within 4 Hours.
- If the authority of SMC finds any part/equipment/material required to be replaced, the contractor shall replace that part/material/equipment for the safety and continuity of the System. If contractor fails to do so, SMC shall replace that part/material/equipment by its own and the expense of replacement plus a penalty of Rs.10,000/- per incidence shall be levied from the contractor.

21. APPROVED MAKE:

S.NO.	ITEM	APPROVED VENDOR
1	Water R.O.Plant	Eureka Forbes, Kent, Su-Kan aqua
2	PVC Water tank	Sintex./Super/Reno
3	SWITCHGEARS	L&T, SIEMENS, SCHNIEDER, ABB, LEGRAND, SIEMENS
4	L.T POWER & CONTROL CABLE	CCI, UNIVERSAL, FINOLEX, INCAB, TORRENT, HAVELLS, BHARATCAB, GLOSTER, RR KABEL, KEI
5	RAW WATER PUMP	CRI/LUBI/ EQUI.
6	DUAL MEDIA FILTER	PENTAIR / AQUAS /AVENTURA / Equi
7	ANTISCALANT DOSING SYSTEM	Fluxmax / e dose /equi
8	HIGH PRESSURE PUMP	CRI,IPC,LUBI EQUIL

-S/D-

Exe. Engineer (Workshop/Mech.)
Public Infrastructure Cell
Surat Municipal Corporation

Sign & Seal of Contractor

