



VASANTDADA SUGAR INSTITUTE
MANJARI BK., HAVELI, PUNE- 412307
Phone: 020-26902316/26902286 Fax. 020-26902244
WEBSITE: www.vsisugar.com

TENDER NOTICE

Sealed offers in two envelopes (in prescribed format) are invited from reputed firms for Supply, installation, commissioning and successful operation of Reverse Osmosis Plant (R.O. Plant) for Drinking water, Capacity 3 M³/Hr (3000 Lit./Hr) at Manjari ,Haveli, Pune as detailed below;

Sr. No.	Item/Description	Tender form fees	EMD Amount
1.	Supply, installation, commissioning and successful operation of Reverse Osmosis Plant (R.O. Plant) for Drinking water, Capacity 3 M ³ /Hr (3000 Lit./Hr) at Manjari ,Haveli, Pune	Rs.1,120/- GST Incl.	Rs.20,000/-

For further details please visit website. The tender form can be downloaded from website. The Pre bid meeting will be held on **18/07/2022 (03.PM)** at **Vasantdada Sugar Institute, Manjari, Tal.- Haveli, Pune**. Last date for submission of Sealed tender Offer on or before **20/07/2022 (05.PM)**. The tender form can be downloaded from website. Institute reserves the right to accept or to reject any or all tenders without assigning any reason thereof.

DIRECTOR GENERAL



VASANTDADA SUGAR INSTITUTE
MANJARI (BK), TAL. HAVELI, DIST. PUNE

TENDER DOCUMENTS

FOR

Installation of Reverse Osmosis Plant (R. O. Plant)

having capacity 3 M³/Hr. (i. e. 3000 Lit. /Hr.) for
Drinking water at Manjari

BY

CIVIL ENGINEERING SECTION

VASANTDADA SUGAR INSTITUTE

MANJARI (BK), TAL. – HAVELI, DIST. – PUNE

Telephone :- (020) 26902191, 26902192

Year 2022-23

GENERAL CONDITIONS OF TENDER

Name of work: -

Installation of Reverse Osmosis Plant (R.O. plant) for Drinking water at Manjari BK, having capacity 3 M³/Hr. (i. e. 3000 Lit. /Hr.)

Sealed offers are invited from reputed /registered agencies for the above said work as per following details.

1. Time for completion :- **Three months** from the date of work order.
2. Earnest Money :- Rs. 20,000.00
(In favors of Vasantdada Sugar Institute)
3. Retention Money :- 4% deduction from R.A. Bills, 50 % retention money shall be released after payment of final bill and the remaining shall be paid after one year's defect liability period.
4. GST will be paid separately as per % declared by the government.
5. Cost of Blank tender form :- Rs. 1,120.00 including GST (non-refundable)
6. Date of Publication of Tender :- 12/07/2022
7. The Pre-Bid Meeting will be held on :-18/07/2022
8. Sealed tenders shall be submitted to the office of the Vasantdada Sugar Institute, Manjari on 20/07/2022 up to 5.00 P.M.
9. The work is to be completed within given time period of Three Months otherwise Rs. 2,000.00 per day will be deducted as penalty and maximum penalty amount will be 10 % of accepted tender amount.
10. Defect Liability Period :- 12 Months after completion.
11. Payment term :- 90% payment after satisfactory commissioning and 10 % after warranty period of one year.

We are pleased to quote our best rate for Installation of Reverse Osmosis Plant

(R.O. plant) for Drinking water at Manjari having capacity 3 M³/Hr. (i. e.3000 Lit. /Hr.)

our quoted rates are Rs./-

(Rupees only).

Thanking you,

Contractors Signature

Director General

Tender Terms & Conditions

1. Please quote for the rate, GST, other taxes, freight, warranty, loading & unloading, installation, commissioning and successful operation separately.
2. Offer should be valid for 90 days.
3. Demand Drafts of Tender form fee and Earnest money deposit (as mentioned in tender notice) should be of Nationalized/schedule Bank in favor of Vasantdada Sugar Institute, Pune.
4. Supplier/Agency will have to complete the order/work as per the purchase/work order. If the supplier/agency failed to complete the job within 90 days, penalty equal 0.5 of cost of contract value per week will be recovered as liquidated damages.
5. The Institute is not responsible for any accidents/claims during the transportation/work/installation of the material/equipment.
6. Supplier/Agency should submit the delivery challan, without delivery challan/invoice unloading will not be allowed.
7. The Supplier/Agency should give prior intimation before unloading.
8. No advance payment is allowed.
9. Earnest money deposit will be forfeited if supplier withdraw his offer or refuse to sign an agreement of supply.
10. The decision of Director General, Vasantdada Sugar Institute is binding on supplier in respect of the entire dispute.
11. T.D.S. provisions of I.T. Act are applicable, and according T.D.S. at applicable rate would be deducted from bill amount.
12. Selected Supplier/Agency will have to deposit the security deposit of 4 % of the total order cost and sign an Agreement before placement/receiving of purchase order on non-judicial stamp paper of Rs.500/-.
13. The demand drafts of Schedule Bank for tender form fee and earnest money deposit should be submitted along with offer in envelope no.1 (Technical bid)
14. 90% payment will be made within 15 days against supply/installation/completion of work/commissioning as per order/specification at our site. Balance 10 % amount will be made after expiry of warranty period.
15. If the Supplier/Agency failed to supply the equipment/to complete the work ordered, the same would be purchased from other agency at the risk & cost of the firm.

IMPORTANT: The Tender should be submitted in two separate sealed envelopes in the following manner with clearly mentioning the subject of the tender.

Envelope No. 1. : D.D. of Schedule Bank for Tender form fee and EMD, a copy of firm registration, a copy of GST registration, a copy of PAN card, a copy of Authorized dealership, Copy of last 3 years ITR, Technical manpower available, the list of customers to whom similar equipment supplied. Technical Information & brochure of the equipment.

Envelope No. 2. Commercial offer only. The rates should be quoted both in words and in figures. In case of variation in rate quoted in figures & word, the rate quoted in word shall be acceptable.

Chief Accountant & I/c. Purchase

TENDER FORM

(Tender form for _____)

From: _____

Ph/Mobile No. _____

To,
The Director General,
Vasantdada Sugar Institute,
Manjari Bk., 412 307,
Tal. - Haveli, Dist. - Pune

Sub: Tender for " _____ " ..

Dear Sir,

As per your tender notice published on VSI Website _____ dated: / /2022,
We are submitting herewith our lowest offer as under.

Sr.No.	Particulars	Rate	Quantity	Amount Rs.

Note: The rate should be quoted in words & figure.

Terms & Conditions:

1. Taxes :
2. Delivery :

Declaration: I/We agreed to supply the material/complete the work within stipulated period and also accept all terms and conditions mentioned in tender.

Yours faithfully,

Signature:

Name :

Stamp of the firm:

1. DESIGN BASIS

INLET PARAMETER			
SR NO.	PARAMETER	VALUE	UNIT
1	SOURCE	POND WATER	NA
2	TDS	352	PPM
3	PH	8.14	NA
4	TOTAL HARDNESS AS CaCO ₃	38	PPM
5	TOTAL ALKALINITY AS CaCO ₃	20	PPM
6	CHLORIDE AS Cl	2.50	PPM
7	SULPHATE AS SO ₄	3.76	PPM
8	SILICA AS SiO ₂ (Reactive)	5.23	PPM

OUTLET PARAMETER			
SR NO.	PARAMETER	VALUE	UNIT
1	TDS	≤ 50	PPM
2	PH	6.5 – 7.5	NA

2. PLANT DETAILS

INLET PARAMETER			
SR NO.	PARAMETER	VALUE	UNIT
1	DUAL MEDIA FEED	5.0	M ³ /HR
2	PERMEATE	3.0	M ³ /HR
3	REJECT	2.0	M ³ /HR
4	RECYCLE	1.8	M ³ /HR

3. SCOPE OF SUPPLY

MECHANICAL SCOPE OF SUPPLY		
SR.NO.	ITEM	QUANTITY (No.)
1	Raw Water Tank	1
2	RAW WATER PUMP (SUBMERSIBLE PUMP) SS	2
3	DUAL MEDIA FILTER	1
4	Activated carbon filter	1
5	ANTISCALENT DOSING PUMP	1
6	ANTISCALENT DOSING TANK WITH LEVEL SWITCH	1
7	CARTRIDGE FILTER	1
8	HIGH PRESSURE PUMP	2
9	PRESSURE TUBES	1
10	MEMBRANES	3
11	PH / HYPO DOSING PUMP	1
12	PH/HYPO DOSING TANK WITH LEVEL SWITCH	1
13	ICPW (LOW PRESSURE)	1 LOT.
14	Ultra Violet Unit	1
15	ICPW (HIGH PRESSURE)	1 LOT.
16	TREATED WATER TANK	1

INSTRUMENTS		
SR NO.	ITEM	QUANTITY (No.)
1	PRESSURE INDICATOR	4
2	PRESSURE SWITCHES	1
3	FLOW INDICATOR	3
4	LEVEL SWITCH	1
5	CONDUCTIVITY METER	1
6	ASTRO 33 PANEL	1

4. SPECIFICATION (MECHANICAL SCOPE)

RAW WATER TANK		
SR NO.	PARAMETER	DETAILS
1	CAPACITY-	5000 Ltr
2	QTY	1 NO.
3	MOC-	HDPE
4	MAKE	SINTEX

RAW WATER (SUBMERSIBLE PUMP) SS		
SR NO.	PARAMETER	DETAILS
1	CAPACITY-	5m ³ /h @30 mtr Head
2	QTY	2 NO.
3	MOC-	SS
4	MAKE	CROMPTON

DUAL MEDIA FILTER		
SR NO.	PARAMETER	DETAILS
1	SIZE	DIA.600 mm X 1828 mm HOS
2	QTY	1 NO.
3	MOC-VESSEL	FRP
4	MOC-FRONTAL PIPING	UPVC
5	VALVE TYPE	MANUAL MULTIPOINT
6	MAKE	THERMAX

ACTIVATED CARBON FILTER		
SR NO.	PARAMETER	DETAILS
1	SIZE	DIA.750 mm X 1828 mm HOS
2	QTY	1 NO.
3	MOC-VESSEL	SS -304
4	MOC-FRONTAL PIPING	UPVC
5	VALVE TYPE	MANUAL MULTIPOINT
6	MAKE	THERMAX

ANTISCALENT DOSING PUMP		
SR NO.	PARAMETER	DETAILS
1	CAPACITY	0-6 LPH @ 3.5 KG/CM ² _g
2	QTY	1 NO.
3	MOC	PP
4	POWER RATING	0.03 KW
5	PUMP TYPE	ELECTRONIC METERING TYPE
6	MAKE	THERMAX
ANTISCALENT DOSING TANK WITH LEVEL SWITCH		
SR NO.	PARAMETER	DETAILS
1	CAPACITY	80 LTRS
2	QTY	1 NO.
3	MOC	LLDPE
4	MAKE	THERMAX

CARTRIDGE FILTER		
SR NO.	PARAMETER	DETAILS
1	SIZE	5.0 M3/HR @ 5 MICRON
2	QTY	1 NO.
3	MOC-CARTRIDGE	PP
4	MOC-HOUSING	AEP
5	MAKE	THERMAX
HIGH PRESSURE PUMP		
SR NO.	PARAMETER	DETAILS
1	CAPACITY	6.8 M3/HR @ 15.5 KG/CM ² _g
2	QTY	2 NO.
3	MOC	SS304
4	PUMP TYPE	CENTRIFUGAL PUMP
5	MOTOR RATING	5.5 KW
6	MAKE	GRUNDFOS

PRESSURE TUBES		
SR NO.	PARAMETER	DETAILS
1	SIZE	3 ELEMENT LONG
2	QTY	1 NO.
3	MOC	FRP
4	PRESSURE RATING	300#
5	MAKE	THERMAX APPROVED

MEMBRANES		
SR NO.	PARAMETER	DETAILS
1	SIZE	8" DIA.
2	QTY	3 NO.
3	MOC	POLYAMIDE-TFC
4	MAKE	THERMAX / DOW / GE

PH/HYPO DOSING PUMP		
SR NO.	PARAMETER	DETAILS
1	CAPACITY	0-6 LPH @ 3.5 KG/CM ² _g
2	QTY	1 NO.
3	MOC	PP
4	POWER RATING	0.03 KW
5	PUMP TYPE	ELECTRONIC METERING TYPE
6	MAKE	THERMAX

PH/HYPO DOSING TANK WITH LEVEL SWITCH		
SR NO.	PARAMETER	DETAILS
1	CAPACITY	80 LTRS
2	QTY	1 NO.
3	MOC	LLDPE
4	MAKE	THERMAX

ULTRA VOILATE UNIT		
SR NO.	PARAMETER	DETAILS
1	CAPACITY	3m ³ /hr
2	QTY	1 NO.
3	MOC	SS/GLASS
4	MAKE	THERMAX

ICPW (LOW PRESSURE)		
SR NO.	PARAMETER	DETAILS
1	QTY	1 LOT.
2	MOC	UPVC
3	MAKE	THERMAX APPROVED

ICPW (HIGH PRESSURE)		
SR NO.	PARAMETER	DETAILS
1	QTY	1 LOT.
2	MOC	SS316
3	MAKE	THERMAX APPROVED

TREATED WATER TANK		
SR NO.	PARAMETER	DETAILS
1	CAPACITY	5000 LTRS
2	QTY	1 NO.
3	MOC	HDPE
4	MAKE	SINTEX

5. SPECIFICATION (INSTRUMENT SCOPE)

PRESSURE INDICATOR		
SR NO.	PARAMETER	DETAILS
1	QTY	3 NOS.
2	RANGE	0-7 Kg/cm ² g & 0-24 Kg/cm ² g
3	MAKE	MICRO

PRESSURE SWITCH		
SR NO.	PARAMETER	DETAILS
1	QTY	1 NO.
2	RANGE	0.1 to 1 Kg/cm ² g
3	MAKE	ORION

FLOW INDICATOR		
SR NO.	PARAMETER	DETAILS
1	QTY	3 NOS.
2	MAKE	ASTER

LEVEL SWITCH		
SR NO.	PARAMETER	DETAILS
1	QTY	1 NO.
2	SETPOINTS	3 (L, M &H)
3	MAKE	ASTER

CONDUCTIVITY METER		
SR NO.	PARAMETER	DETAILS
1	QTY	1 NO.
2	RANGE	0-500 μ Siemens/cm
3	MAKE	ASTER

ASTRO 33 PANEL		
SR NO.	PARAMETER	DETAILS
1	QTY	1 NO.
2	TYPE	MICROPROCESSOR BASED
3	MAKE	THERMAX APPROVED

6. SCOPE OF WORK

SR NO.	DESCRIPTION	LOCATION
1	RAW WATER	Supplier have to lift water from Pond Near girls hostel.
2	RO PERMEATE	AT THE INLET FLANGE OF PERMEATE STORAGE TANK
3	RO REJECT	Will be used for gardening, have to arrangement of storage tank for the Same.

7. LIST OF EXCLUSION POINTS

SR. NO.	EXCLUSION
1	All civil works including equipment foundations, grouting, and platform Will be done by VSI as per Civil drawings Provided by Supplier. However, loading details and sizes shall be furnished by Supplier to enable us to do the necessary civil works.
2	All required piping, piping supports etc. will be in Suppliers Scope.
3	Electrical Supply for site fabrication, erection, testing, commissioning and operation of plant will be provide by VSI.
4	Water required for testing, commissioning and operation of plant will be provided by VSI.

Terms & Conditions: -

1. The supplier should quote their rate for Supply, erection & commissioning. The rate for AMC should be quoted separately.
2. All statutory approval required shall be in Suppliers scope. We shall extend our possible documentary support for this.
3. Chemicals required for first fill, commissioning and operation of plant including PG test shall be supplied By Supplier.
4. Civil work is in VSI scope. Supplier have to provide the load details, G.A Diagram and foundation.
5. Warranty/ Guarantee of all brought out items & equipment's should be one year.
6. Performance period should be 30 days as per performance norms.
7. Training to our staff should be given.
8. All motors and push button should be covered to protect from rain.
9. Payment term: 90% payment after satisfactory commissioning & 10 % after warranty period of one year.
10. Period of supply & commissioning – 3 months from date of work order.