

Ref:NCB/CA22-51/220789

July 21, 2022

ENQUIRY

To => By Speed Post/Courier

Dear Sirs

Please let us have your Quotation for the following:

S.No.	Item Description	Qty	UOM
1	Industrial RO Plant 250 liters (As per the specification attached)	1.00	NO

**1. The quotation shall be submitted in a sealed envelope duly superscribed with the enquiry number, and the due date for ..... Ref No: 220789. The bids should be addressed and to be mailed/couriered (sent by post/courier) to 'THE HEAD-PURCHASE'.**

The bids are liable to be rejected if the sealed envelope is not addressed to "THE HEAD-PURCHASE" with Tender Ref No. and Item Description and due date. The bids delivered in person shall be dropped in Purchase Section. If the bids are sent through courier or mail, it should reach by submission date and time and NCBS will not be responsible for the delay.

**2. DUE DATE FOR SUBMISSION OF QUOTATION AGAINST THIS ENQUIRY IS 10/08/2022 BY 5.30PM.**

3. QUOTATIONS RECEIVED AFTER THE DUE DATE SHALL BE REJECTED.

4. The validity of your quotation should be for 60 days from the due date.

5. All duties, taxes, surcharge and cess as currently applicable must be stated in your quotation, separately. Otherwise your quote is liable to be rejected.

6. Your quotation should indicate delivery period & warranty period.

7. Delivery to be made to our stores. Please indicate charges, if any extra. Transit Insurance should be done upto NCBS Stores.

8. If you are unable to supply the quality, specifications or brand as mentioned in our enquiry, please state so and then offer alternative to quality/specifications.

9. Payment: within one month after delivery & acceptance/satisfactory installation.

10. Please ensure that the enquiry number and the due date is superscribed on the envelope failing which your quotation is liable to be rejected.

11. Since we are a public funded research institution, we are exempted from paying Customs duty (Except ad valorem duty of 5% + 2% Cess and 1% Cus Sec & High Edu. CESS vide Notification No.51/96 with latest amendments) and excise duty vide Notification No. 10/97 CENTRAL EXCISE dated 01-03-1997 for all scientific equipments, technical instruments, equipments (including computers), their accessories, spares, consumables and software. Hence, please offer your prices

**12. If the item is covered under DGS&D rate contract, please quote the rate as per the DGS&D rate contract with xerox copy of the DGS&D order.**

13. Any dispute or differences that may arise between the parties shall be referred to the sole arbitration of the Centre Director or his nominees. The decision of the arbitrator shall be final and binding on the parties. The venue for arbitration shall be Bangalore. The provisions of the Arbitration and Conciliation Act, 1996 as amended from time to time shall apply. The courts in Bangalore shall have exclusive jurisdiction to deal with any or all disputes between the parties.

14. TIFR is a public funded research institute and is entitled to concessional rate of GST @ 5% for certain items supplied for reresearch purpose vide notification no. 47/2017 and 45/2017 dated 14th Nov, 2017. The offer should be submitted after fully considering the above notification.

15. Liquidity Damages: If the equipment/ items as per specifications in our P.O. is not supplied (shipped) within the specified delivery schedule, then liquidated damages (not in terms of penalty) will be imposed automatically and shall be deducted from the bill at the rate of 0.5% per week subject to a maximum of 10% of the order value.

16. Income Tax at the applicable rates as per the Indian Income Tax Act 1961 will be deducted at source for the services availed / ordered. In case of service provider, the rate of tax deduction shall be at 2% as per Section 194C, and in case of fee for professional / technical services under section 194J, the tax reduction shall be at the rate of 10%. In case service provider does not provide PAN number, the deduction shall be at 20% under section 206 AA.

-Tax Deduction Certificates will be provided on request for non PAN holders & Foreign Vendors and PAN holders could avail them through NSDL site dealing with 26AS.

Yours faithfully  
For and on behalf of  
National Centre for Biological Sciences

Head Purchase

## Annexure-A

### Specification of RO Water Plant

The system should have the RO+UV.

The system should have the Purification capacity of 250 liters per hour.

The system should be compact, heavy duty and floor mounting.

The system should be supplied with sensor for Auto ON/OFF as per the water level of the tank.

The system should be supplied with 250 HDPE Square type tank with suitable mounting frame

The system should be supplied with suitable Raw Water Feed Pump with 1 m<sup>3</sup>/hr 0.5 HP drive Single phase with redundancy.

The system should be supplied with 5 and 10-micron filter cartridge with housing

The system should have sand filter of vertical floor mount with Min and max Operating Pressure of 2.0 kg/cm<sup>2</sup> to 3.5 kg/cm<sup>2</sup>. Max Treatment Flow of 2.5 m<sup>3</sup>/hr and Min. Treatment Flow of 01 m<sup>3</sup>/hr Filter Media: Multigrade Media and crushed gravels.

The system Material of Construction should be FRP Vessel with Multiport Valve

The system should be supplied with the water level indicator in the tank which can be easily check the percentage of water in the tank.

The Industrial RO unit should have the Treated Water Flow of 1 m<sup>3</sup>/hr and Recovery : 55-60%, Feed Water TDS should be 900 PPM (Max.)

The Membrane Type should be Spiral wound and the Membrane Size be 4040 x 2 no with SS Membrane housing

The vertical centrifugal pump should be Pump of 1.5 HP single phase in SS with Pressure Gauges – 2 Nos and On line flow meters – 2 Nos,

The system should be supplied with Online Conductivity Meter and Treated Water Characteristics TDS < 50mg/L with pH - 6 to 7

The system should be supplied with low and high pressure switch control system

Electromagnetic type Anti-scalant dosing pump and PH boosting pump of capacity 6 LPH with discharge pressure of 2 kg/cm<sup>2</sup> and dosage 4ml/1000L

The system should be supplied with online conductivity digital meter to monitor the product water

Dosing tanks with the capacity of 50 liters, made up of HDPE should be provided for two number of dosing units.

The system should be supplied with UV STERILISER SS 304 Wetted parts with Quartz Jacket to house the UV Lamp

The Skid Material of Construction should be made up of stainless steel and it should have warranty for 3 year (in case of any rusting in the skid the company should replace with the new one without additional cost)

The instrument should be supplied with the required pressure gauges, pressure switches, conductivity meter, contactors, indicators, power on/off switch, Rate of flow indicators, level switches, sensors, rotameters etc and it should be mounted on SS panel.

The system should be able to run in Manual/Auto mode.

All consumables required for installation and standardization of system should be supplied with instrument.

The system should operate on 230V, 50Hz.

The system should be supplied with all the accessories required to function.

The entire system should have three-year warranty and cost of all consumables like salt, antiscalant, cartridge, spares, and services etc to be included. The offer should include an anti-scaling setup with required tank and chemicals.

Preventive maintenance & Breakdown should be borne by the vendor during the warranty period and Every three months the vendor should check the performance of the system and report should be submitted (Total 12 maintenance visit). If any spares/consumables required should be supplied by the vendor.

The supplier has to verify all the components of RO Plant to meet the specifications as per P.O and has to provide the test report of components of RO Plant.

The vendor has to verify the rated capacity and quality of output water of RO Plant and has to arrange the testing of RO Plant output water at a reputed laboratory at his own cost

The vendor should compulsory have the site visit before submitting the quotation for better understanding the requirement. If not the quoted offer will not be considered

The service provider should have the base in Bangalore. Office address and service Engineer contact details should be enclosed with the quotation.

The past performance/service support in NCBS/inStem/CCAMP (BLISC) should be satisfactory and the technical evaluation will be done accordingly.

The quoted system should be CE/ISO Certified.

Technical/Maintenance manuals, Certificate of calibration and inspection from factory to be supplied with system.

Compliance to each of the above points should be separately indicated and evidence presence for each of them (Product brochures should be highlighted wherever required).