

TENDER DOCUMENT FOR



SUPPLY OF TYPE-1 WATER PURIFICATION SYSTEM

***NATIONAL CENTRE FOR ANTARCTIC & OCEAN RESEARCH
(Ministry of Earth Sciences, Govt. Of India)
Headland Sada, Vasco-da-Gama
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NATIONAL CENTRE FOR ANTARCTIC & OCEAN RESEARCH
(Ministry of Earth Sciences, Govt. Of India),
HEADLAND SADA, VASCO-DA-GAMA,
GOA - 403 804

TENDER NO. NCAOR/LAB-2636/PT-28
TENDER FOR SUPPLY OF TYPE-1 WATER PURIFICATION SYSTEM

1.	SUPPLY OF TYPE-1 WATER PURIFICATION SYSTEM Specifications: Quantity	As per Annexure-I 01 Set
2.	General Terms and Conditions	As per Annexure II
3.	Cost of Tender Documents (In Person)	₹ 500.00
4.	Cost of Tender Documents (By Post)	₹ 550.00
5.	EMD	Tender documents can be downloaded by tenderers from NCAOR website. In case a tenderer is using the documents and forms downloaded from the website, the cost of tender documents shall be sent in the form of Bank Draft in a separate envelope along with the tender.
6.	Last Date and time for issue of tender documents	WEDNESDAY 05.10.2016 1600 Hrs (IST)
7.	Last Date and time for submission of sealed quotations	THURSDAY 06.10.2016 1700Hrs (IST)
8.	Date and time of tender opening	FRIDAY 07.10.2016 1000Hrs (IST)

Annexure-I

TECHNICAL SPECIFICATION FOR SUPPLY OF TYPE-1 WATER PURIFICATION SYSTEM

Type I water purification system integrated with built in reservoir of ~2L or more, should be capable of producing Type I, 18.2 Megaohm resistivity with mixed bed ion exchange resins and activated carbon in a single pack, with feed water acceptance of Type III or Type II, should be supplied along with UV kit, Polishing Cartridge, final filter and required accessories.

- Dispensing height should be suitable to any glassware.
- Volumetric dispensing from 0.5 L till 10L.
- Multi-color monitor displaying: resistivity, level of water in reservoir, volume dispensed and alarms for purification pack replacement or water quality less than set point.
- The system should be delivered with a certificate of conformity ensuring that it has been built and tested fully assembled following standard Operating Procedures.
- The system should be tested for its safety and electromagnetic compatibility
- To prevent deterioration of water quality during periods of non-use, the ultrapure water system will be able to recirculate water to maintain high water quality.

Stage 1

- Type III/II water from an inbuilt 2L or more reservoir should pass through specific cartridge for removal of trace ionic and organic contaminants.
- Cartridge must attach to the water system without treaded fittings, screws, clamps, or locking tabs.

Dual UV

- 17watt, low pressure mercury vapor lamp made of ultrapure quartz with dual wavelength (185 and 254nm)

Stage 2

- Final Filters: a) 0.22micron PVDF membrane filter in stack disc configuration to remove bacteria and particulates.

Ultra Pure (Type I) water:

- Ultrapure Water (Type 1) Flow Rate (L/min): upto 1 (Programmable flow rate)
- Ultrapure Water Resistivity ($M\Omega.cm$ at $25^{\circ}C$): 18.2
- Microorganisms (cfu/mL): <1
- TOC (ppb): <5 [with UV]

Service Support

The supplier must have proven track record of quality servicing and should take up annual maintenance contract on regular basis after warranty period.

Installation and Commissioning

Manufacture/Supplier should install and successfully run the system at Lab in NCAOR.

Warranty

Minimum One Year/Standard

**TECHNICAL COMPLIANCE STATEMENT FOR SUPPLY OF TYPE-1 WATER
PURIFICATION SYSTEM**

Sr. No.	TECHNICAL COMPLIANCE STATEMENT FOR SUPPLY OF TYPE-1 WATER PURIFICATION SYSTEM	COMPLIED/ NOT COMPLIED	EXTRA FEATURES
1	Type I water purification system integrated with built in reservoir of ~2L or more, should be capable of producing Type I, 18.2 Megaohm resistivity with mixed bed ion exchange resins and activated carbon in a single pack, with feed water acceptance of Type III or Type II, should be supplied along with UV kit, Polishing Cartridge, final filter and required accessories.		
2	<ul style="list-style-type: none"> <li data-bbox="350 743 1065 835">• Dispensing height should be suitable to any glassware. <li data-bbox="350 835 1065 890">• Volumetric dispensing from 0.5 L till 10L. <li data-bbox="350 890 1065 1079">• Multi-color monitor displaying: resistivity, level of water in reservoir, volume dispensed and alarms for purification pack replacement or water quality less than set point. <li data-bbox="350 1079 1065 1268">• The system should be delivered with a certificate of conformity ensuring that it has been built and tested fully assembled following standard operating Procedures. <li data-bbox="350 1268 1065 1365">• The system should be tested for its safety and electromagnetic compatibility <li data-bbox="350 1365 1065 1556">• To prevent deterioration of water quality during periods of non-use, the ultrapure water system will be able to recirculate water to maintain high water quality. 		
3	<p data-bbox="399 1556 496 1591">Stage 1</p> <ul style="list-style-type: none"> <li data-bbox="350 1604 1065 1738">• Type III/II water from an inbuilt 2L or more reservoir should pass through specific cartridge for removal of trace ionic and organic contaminants. <li data-bbox="350 1751 1065 1869">• Cartridge must attach to the water system without treaded fittings, screws, clamps, or locking tabs. 		

4	Dual UV <ul style="list-style-type: none"> 17watt, low pressure mercury vapor lamp made of ultrapure quartz with dual wavelength (185 and 254nm) 		
5	Stage 2 <ul style="list-style-type: none"> Final Filters: a) 0.22micron PVDF membrane filter in stack disc configuration to remove bacteria and particulates. 		
6	Ultra Pure (Type I) water: <ul style="list-style-type: none"> Ultrapure Water (Type 1) Flow Rate (L/min): upto 1 (Programmable flow rate) 		
	<ul style="list-style-type: none"> Ultrapure Water Resistivity ($M\Omega.cm$ at 25°C): 18.2 		
	<ul style="list-style-type: none"> Microorganisms (cfu/mL): <1 		
	<ul style="list-style-type: none"> TOC (ppb): <5 [with UV] 		
7	Service Support The supplier must have proven track record of quality servicing and should take up annual maintenance contract on regular basis after warranty period.		
8	Installation and Commissioning Manufacture/Supplier should install and successfully run the system at Lab in NCAOR.		
9	Warranty Minimum One Year/Standard		

TERMS AND CONDITIONS FOR SUBMISSION OF QUOTATION.

- 1) The National Centre for Antarctic and Ocean Research (NCAOR) invites sealed quotations in two-parts from the reputed firms for the "**SUPPLY OF TYPE-1 WATER PURIFICATION SYSTEM**" as per the specifications given in Annexure-I.
- 2) The tender should be submitted in sealed covers, super scribing tender for "**SUPPLY OF TYPE-1 WATER PURIFICATION SYSTEM**" sealed and addressed to the Director, National Centre for Antarctic and Ocean Research, Headland-Sada, Vasco-da-Gama, Goa-403 804. Offer sent through fax will not be accepted.
- 3) Overwriting and corrections should be attested properly. The bid should be complete in all respects and should be duly signed. **Incomplete and unsigned bids will not be considered at all.**
- 4) All relevant technical literature pertain to items quoted **with full specifications** (Drawing, if any), information about the products quoted, including brochures if any should accompany the quotation.
- 5) A list of **reputed clients** to whom the firm has supplied similar items to be furnished along-with the quotation.

In the BID, the Bidder should furnish the Name and address of the Purchasers placed orders on similar equipment with order No, date, Description and quantity, Date of Supply alongwith Contact person Telephone No, Fax No, and e mail address of Purchaser.

The Bidder should enclose copies of Purchase Orders.

- 6) If the bidder is registered under SSI, NSIC claiming any exemptions should submit valid certificates along with the quotes, failing which quotation will not be considered.
- 7) Quotation should be **valid for a period of 90 days** from the date of tender opening and the period of delivery required should also be clearly indicated. If the supplier fails to deliver the goods within the time to be agreed upon, for delayed deliveries (wherever applicable). NCAOR reserves the right to **levy liquidated damages** at the rate of 0.5% per week or part their of up to maximum of 5%.

8) The **warranty period** and the kind of **post-warranty support** should be indicated. Warranty shall commence from the date of installation and acceptance of the complete equipment supplied under the Purchase Order / Contract.

9) Please **specify the Make/Brand** and Name of the Manufacturer with address, country of origin and currency in which rates are quoted.

10) The Purchaser requires that the bidders suppliers and contractors observe the highest standard of ethics during the procurement and execution of such contracts. In pursuit of this policy, the following are defined:

“Corrupt practice” means the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the action of a public official in the procurement process or in contract execution:

“fraudulent practice” means a misrepresentation or omission of facts in order to influence a procurement process or the execution of contract;

“collusive practice” means a scheme or arrangement between two or more bidders, with or without the knowledge of purchaser, designed to establish bid prices at artificial, noncompetitive levels; and

“coercive practice: means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the procurement process or affect the execution of contract;

The purchaser will reject a proposal for award if it determines that the Bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for the contract in question; The Decision of Director, NCAOR shall be final and binding.

11) NCAOR is not entitled to issue form “**C/D**”. No Sales Tax or any other Tax shall be payable by us unless payment of the same is specifically mentioned by the suppliers in their bids and same is legally leviable.

12) To avail duty concessions i.e. **Excise Duty** as per Govt. notification 10/97 & **Custom Duty** as per Govt. notification 51/96, NCAOR will provide exemption certificates. Hence, the rates should be split into basic cost and Excise Duty if any.

13) **Bid should contain** all details and specifications, delivery schedule, payment term, user-list, details of the price(s) of the item(s).

The Prices shall be quoted in Indian Rupees for offers received within India.

For Goods manufactured in India:

F.O.R GOA price should be indicated. However tender should contain item-wise prices including total ex-works price, Excise Duty, VAT/Taxes, Charges for Inland Transportation, Insurance and other local services required for the delivering the goods on F.O.R GOA.

14) Please submit your quotation on F.O.R. destination basis. However tender should contain item-wise prices including total ex-works price, overall weight & dimensions of the equipment and cost of packing forwarding, approx. cost of air-freight charges for delivery up to Goa, India.

15) A Committee constituted by the Director, NCAOR for the purpose reserves the right to open the bids. Bids will be opened on the date and time mentioned in the tender document in the presence of tenderer.

16) A technical Committee constituted by the Director will assess the product supplied/ for their quality and their conformity to the specifications provided by the firm in their quotations. Any item(s) identified by the Committee to be not as per the specifications or are found to be of inferior quality will be rejected, and the bills towards the supply will not be processed for payment till proper replacements are provided.

17) **No advance payment** will be made. Payment shall be made within 30 days from the date of receipt, acceptance and satisfactory installation of equipment.

18) **The submission of tender** shall be deemed to be an admission on the part of the tenderer, had fully acquainted with the specifications, etc. and no claim other than what stated in the tender shall be paid in the event of award of Purchase Order.

19) **Acceptance of this tender** form and submission of the quote within the stipulated time would be treated as:

a) The tenderer has understood all requirements as described in our Tender document.

b) Acceptance to provide/establish all the facilities mentioned in our tender without any price escalation, if the tenderer finds it necessary to add any hardware or software or any other materials during implementation.

c) Agreeing to execute order to the satisfaction of NCAOR or its authorized representatives within the stipulated time.

20) NCAOR will not be liable for any obligation until such time NCAOR has communicated to the successful bidder of its decision to release the Purchase Order.

21) **NCAOR will not be responsible for any postal delays.**

22) Bidders shall note that NCAOR will not entertain any correspondence or queries on the status of the offers received against this Tender Invitation.

23) Tenders from Manufacturers/Suppliers/Tenderers whose performance was not satisfactory in respect of quality of supplies and delivery schedules in any organizations, are liable for rejection. The tenders that do not comply with the above criteria and other terms & conditions are liable for rejection.

24) The Director, NCAOR does not bind to accept the lowest quotation and reserves the right to himself, to reject or partly accept any or all the quotations received without assigning any reason.

25) All disputes arising in connection with executing the purchase order will be subject to the Jurisdiction of the Courts in Goa only.

QUESTIONNAIRE

- a. Name of the Manufacturer / Tenderer.
- b. Full postal address with Telephone, Telefax, Email.
- c. Please specify whether Public Limited, Company, Private Organization or Partnership Firm.
- d. Nature of the Business.
- e. Date of Establishment.
- f. Present Turnover.
- g. Permanent Income Tax Ref. No.
- h. C.S.T. / S.T. NO.
- i. Address & Telephone Nos. Of your branch office in GOA (please specify whether Distributing/Servicing/Marketing the products).
- j. Technical Compliance statement.
- k. Reference of reputed Customers.
- l. Details of the highest order executed and value thereof.
- m. Authorization from Manufacturer/Supplier attached.
- n. Tender fee submitted/enclosed.
- o. SSI, NSIC Registration Certificate.
- p. Technical Specifications/Literature/Brochure attached.
- q. Tender Acceptance.

TENDER ACCEPTANCE UNDERTAKING

To

The Director,
NCAOR, Headland Sada,
Vasco – Goa.

Having examined the tender document for **“SUPPLY OF TYPE-1 WATER PURIFICATION SYSTEM”** we the undersigned hereby offer to supply the equipment in conformity with all specifications and conditions set out in the tender document.

We enclosed all the relevant documents as per the tender.

We understand that you are not bound to accept the lowest or any tender received.

Date :

(Signature of Bidder)

Name :

Designation :

Seal

BANK GUARANTEE FORMAT FOR FURNISHING EMD

To

NATIONAL CENTRE FOR ANTARCTIC & OCEAN RESEARCH
Headland Sada, Vasco-da-Gama, GOA 403 804, INDIA

Whereas _____
 (Hereinafter called the "tenderer"
 has submitted their offer dated _____
 for the supply of _____
 (Herein after called the "tender"

WE _____ of having our registered office
 At _____ are bound unto the NATIONAL
 (Hereinafter called the Bank)

CENTRE FOR ANTARCTIC & OCEAN RESEARCH, Ministry of Earth Sciences, Govt. Of India having its office at Headland Sada, Vasco Goa 403 804, India (herein after called NCAOR which expression shall unless repugnant to the context or meaning thereof include all its successors, administrators, executors and assigns) in the sum of _____ for which payment will and truly to be made to. NCAOR, the Bank binds itself, its successors and assigns by these presents. Sealed with the common seal of the said Bank this _____ day of _____ 2016.

THE CONDITIONS OF THIS OBLIGATION ARE:

- 1) If the tenderer withdraws or amends, impairs or derogates from the tender in any respect within the period of validity of this tender.
- 2) If the tenderer having been notified of the acceptance of his tender by NCAOR during the period of its validity.
 - 2.a) If the tenderer fails to furnish the Performance security for the due performance of the contract.
 - 2.b) Fails or refuses to execute the contract

We undertake to pay NCAOR up to the above amount upon receipt of its first written demand, without NCAOR having to substantiate its demand, provided that in its demand the NCAOR will note that the amount claimed by it is due to it owing to the occurrence of one or both the two conditions, specifying the occurred condition or conditions.

This guarantee is valid until the _____ day of _____ 2016.

Signature of the bank

NATIONAL CENTRE FOR ANTARCTIC & OCEAN RESEARCH
 (Ministry of Earth Sciences, Govt. Of India)
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 Email: warlu62@ncaor.gov.in Website: www.ncaor.gov.in

PUBLIC TENDER

Director, National Centre for Antarctic & Ocean Research (NCAOR) invites sealed tenders super scribing Tender No. Item and due date from well established/ reputed manufacturers / authorized and bonafide vendors for supply of the following:-

Sl. No.	Tender No.	Item Description	Qty.	Cost of Tender Doc.	EMD
1	NCAOR/HSS-094/PT-27	UPRIGHT DEEP FREEZER	01 No	500.00	15000.00
2	NCAOR/LAB-2636/PT-28	SUPPLY OF TYPE-1 WATER PURIFICATION SYSTEM	01 Set	500.00	---
3	NCAOR/HSS-107/PT-29	SUPPLY OF BENCH TOP SHAKING INCUBATOR	01 No	500.00	---

Last date for issue of tender documents : **05.10.2016**

Last date for submission of quotation : **06.10.2016**

The details of tender documents are also available in our website <http://www.ncaor.gov.in> and Central Public Procurement Portal <http://eprocure.gov.in>. Interested suppliers may download the details and submit the quotation on or before the due date along with tender fee.

The quotation without tender fee will not be considered.

Tender forms can be obtained from the Procurement section of NCAOR on all working days either by post or in person between 1000 – 1600 hours on payment of tender fees in the form of crossed Demand Draft payable at Vasco-da-gama only, from a Nationalized bank drawn in favor of **NCAOR** along with separate requisition indicating tender number and item. Tender forms can be obtained by speed post by remitting Rs. 50.00 by Indian bidders and US\$ 15.00 by Foreign bidders in addition to the cost of tender documents.

The Director, NCAOR is not responsible for any transitional/postal delays.

The quotations will be **opened on 07.10.2016** in the presence of tenderers or their authorized representatives.

The Director, NCAOR reserves the right to accept or reject any quotation in full or part thereof without assigning any reason.

Sd/-
For & on behalf of NCAOR