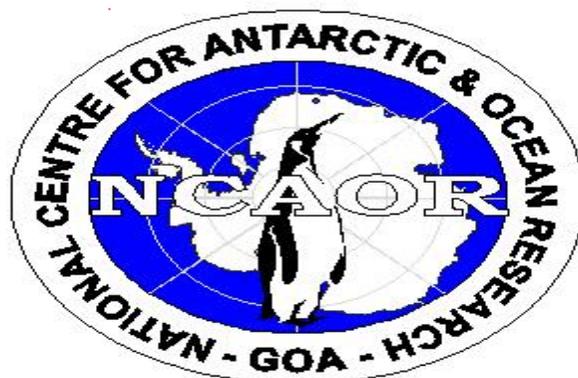


*TENDER DOCUMENT FOR*



*SUPPLY OF FREEZE DRYER (LYOPHILIZER)  
BENCH-TOP TYPE*

*NATIONAL CENTRE FOR ANTARCTIC & OCEAN RESEARCH*

*(Ministry of Earth Sciences, Govt. Of India)*

*Headland Sada, Vasco-da-Gama*

*GOA -403 804, INDIA*

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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-1915/PT-22**  
**TENDER FOR SUPPLY OF FREEZE DRYER (LYOPHILIZER) BENCH-TOP TYPE**

|    |  |  |
|----|--|--|
| 1. | <b>SUPPLY OF FREEZE DRYER (LYOPHILIZER) BENCH-TOP TYPE</b><br><b>Quantity-Specification-</b> | 01 Lot<br>As per Annexure I  |
| 2. | General Terms and Conditions   | As per Annexure II   |
| 3. | Cost of Tender Documents (In Person)   | ₹ 1000.00  |
| 4. | Cost of Tender Documents (By Post)   | ₹ 1050.00  |
| 5. | Tender Documents   | <b>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.</b> |
|    | EMD  | <b>Bidders shall submit EMD along with their tender, either By DD drawn in favour of NCAOR, for a sum of ₹ 35,000/- (Thirty Five Thousand only)</b><br><b>or</b><br><b>in the form of a bank guarantee for a sum of ₹ 35,000/- (Rupees Thirty Five Thousand only)</b>          |
| 6. | Last Date and time for issue of tender documents   | <b>TUESDAY</b><br><b>22.01.2013</b><br>1600 Hrs (IST)  |
| 7. | Last Date and time for submission of sealed quotations                                       | <b>WEDNESDAY</b><br><b>23.01.2013</b><br>1700Hrs (IST)   |
| 8. | Date and time of tender opening  | <b>THURSDAY</b><br><b>24.01.2013</b><br>1000Hrs (IST)  |

**SPECIFICATION FOR FREEZE DRYER (LYOPHILIZER) BENCH-TOP TYPE**

| SR.NO | DESCRIPTION AND SPECIFICATION   | QTY.  |
|-------|---|---|
| 1     | <p>220 Volts/50 Hz, upright Teflon coated collector chamber, capable of removing 4 liters of water in 24 hours and holding 5-7 liters of ice before defrosting. CFC/HCFC free refrigeration system to cool collector to -50°C. LCD that displays system operating parameters and alarm messages and vacuum in mBar, temperature in °F or °C and total no. of hours left. LED vacuum and temperature “waves” for at a glance display of vacuum and temperature. Automatic start up switch. Purge valve assembly. Built in stainless steel Mini Vacuum Drying chamber with 50 watt heater and micro-processor control to +60°C including:</p> <p>a) Clear Acrylic Chamber with ~8 neoprene valves</p> <p>b) Product Shelves consist of 3 aluminum shelves with ¼” rim, three stainless steel support rods</p> <p>c) Stainless steel Adapters ½” flask top to ½” valve, 45° bend</p> <p>d) Stainless Steel Adapters 3/4” flask top to 3/4” valve, 45° bend</p> <p>e) Fast Freeze Flasks Complete, 30-50 ml, flask top adapter ½”</p> <p>f) Fast freeze flasks complete, 200-400 ml, flask top adapter ¾”</p> <p>g) General purpose rotary vane vacuum pump, 230 volts 195 liters/min. Designed for use with aqueous samples. Ultimate vacuum 2 x 10<sup>-3</sup> mbar. Single phase direct drive motor totally enclosed and fan cooled. Includes four each one liter bottle of vacuum pump oil and one exhaust filter with oil mist and odor filter element.</p> | <p>01</p> <p>01</p> <p>01</p> <p>02</p> <p>02</p> <p>02</p> <p>02</p> <p>01</p> |

**TECHNICAL COMPLIANCE STATEMENT FOR FREEZE DRYER (LYOPHILIZER) BENCH-TOP TYPE**

| SR. NO. | SPECIFICATIONS FOR FREEZE DRYER (LYOPHILIZER) BENCH-TOP TYPE   | COMPLIED/ NOT COMPLIED | EXTRA FEATURES |
|---------|--|------------------------|----------------|
| 1       | 220 Volts/50 Hz, upright Teflon coated collector chamber, capable of removing 4 liters of water in 24 hours and holding 5-7 liters of ice before defrosting. CFC/HCFC free refrigeration system to cool collector to -50°C. LCD that displays system operating parameters and alarm messages and vacuum in mBar, temperature in °F or °C and total no. of hours left. LED vacuum and temperature “waves” for at a glance display of vacuum and temperature. Automatic start up switch. Purge valve assembly. Built in stainless steel Mini Vacuum Drying chamber with 50 watt heater and micro-processor control to +60°C including: |                        |                |
|         | a) Clear Acrylic Chamber with ~8 neoprene valves   |                        |                |
|         | b) Product Shelves consist of 3 aluminum shelves with ¼” rim, three stainless steel support rods   |                        |                |
|         | c) Stainless steel Adapters ½” flask top to ½” valve, 45° bend   |                        |                |
|         | d) Stainless Steel Adapters ¾” flask top to ¾” valve, 45° bend   |                        |                |
|         | e) Fast Freeze Flasks Complete, 30-50 ml, flask top adapter ½”   |                        |                |
|         | f) Fast freeze flasks complete, 200-400 ml, flask top adapter ¾”   |                        |                |
|         | General purpose rotary vane vacuum pump, 230 volts 195 liters/min. Designed for use with aqueous samples. Ultimate vacuum $2 \times 10^{-3}$ mbar. Single phase direct drive motor totally enclosed and fan cooled. Includes four each one liter bottle of vacuum pump oil and one exhaust filter with oil mist and odor filter element.   |                        |                |

**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 FREEZE DRYER (LYOPHILIZER) BENCH-TOP TYPE”** at NCAOR, GOA as per the specifications given in Annexure I.
  - 2) The technical and financial Bids should be submitted in two separate sealed covers, super scribing **“Part-I Technical Bid for “SUPPLY OF FREEZE DRYER (LYOPHILIZER) BENCH-TOP TYPE” Tender No., due date and “Part-II Financial Bid for “SUPPLY OF FREEZE DRYER (LYOPHILIZER) BENCH-TOP TYPE” Tender No., due date. Both the bids should be kept in a single cover by super scribing tender for “SUPPLY OF FREEZE DRYER (LYOPHILIZER) BENCH-TOP TYPE”** 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.
  - 6) 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 and for delays in installation (wherever applicable) NCAOR reserves the right to **levy liquidated damages** at the rate of 0.5% per week or part their of upto maximum of 5%.
  - 7) Warranty shall commence from the date of installation and acceptance of the complete equipment supplied under the Purchase Order / Contract. The **warranty period** and the kind of **post-warranty support** should be indicated.
  - 8) **Technical Bid should contain EMD.**  
Bidders shall submit **EMD** along with their tender, **either By DD** drawn in favour of NCAOR, for a sum of ` 35,000/- (Rupees Thirty Five Thousand only) **or in the form of a bank guarantee** for a sum of ` 35,000/- (Rupees Thirty Five Thousand only) from any reputed bank (scheduled bank) initially valid for 180 days from the date of closing of the tender as per the proforma enclosed. This bank Guarantee in original shall be submitted along with the technical bid only.
- Tender without EMD in the envelope containing technical bid shall be summarily rejected.** The EMD of unsuccessful bidders shall be returned within 15 days of the award of contract.
- The earnest money will be liable to be forfeited, if the tenderer withdraws or amends impairs or derogates from the tender if any respect within the period of validity of his tender.
- 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 order acknowledgement** should be from the principals and if the Indian Agent is empowered to quote and to furnish order acknowledgement, a copy of agreement entered by you with the Indian Agent to be furnished.

**11) Compliance Statement:** Equipments point-by-point comparison / compliance statement with **technical specification** indicated in the tender, should be enclosed along with your tender as well as any other extra features of the equipment be shown separately therein and also **compliance statement for all commercial terms** of the tender document.

**12) 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.

**13) NCAOR** is **exempted from the payment of Excise Duty / Custom Duty** as per Govt. notification. Hence, the rates should be split into basic cost and Excise Duty if any.

**14) Technical Bid** should contain all details and specifications of the equipment offered, delivery schedule, warranty, payment term, installation, post-warranty, user-list, service support **WITHOUT PRICE** and **Financial bid should contain** details of the price(s) of the item(s) quoted in the technical bid. The technical bid should not contain any references to the pricing.

**In case the technical bid contains any direct or indirect reference to quoted price the bid is liable to be rejected.**

**15) In case of imported stores both FOB and CIF prices upto Indian port of entry** namely Goa and for indigenous stores on F.O.R. destination basis should be indicated. However tender should contain item-wise prices including total ex-works price and cost of packing forwarding, approx. cost of air-freight charges for delivery up to Goa, India.

**16) A Committee** constituted by the Director, NCAOR for the purpose reserves the right to open the bids. Only technical bids will be opened on the date and time mentioned in the tender document. The financial bids of those tenderers whose technical bids are found to be meeting our specifications only will be opened in their presence at date and time to be notified later.

**17) The firm** to the full satisfaction of the NCAOR should carry out the **installation & commissioning** and the time frame for the whole process should be specified in the technical bid.

**18) A technical Committee** constituted by the Director will assess the product supplied/installed 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.

**19) No advance payment** will be made. Payment for indigenous stores shall be made within 30 days from the date of receipt, acceptance of the equipment and in case of Imported stores by irrevocable letter of credit. The payment will be authorized after submission of a Bank Guarantee for 10% value of the order towards warranty guarantee. The **performance Bank Guarantee** should be furnished within 15 days from the date of placement of order from a reputed bank (scheduled bank in India or foreign bank operating in India) valid till 60 days after the warranty period.

**20) Suppliers** should clearly define the mechanisms of **post-warranty** maintenance or support. Supplier should undertake to support the product for a minimum period of 5 years (post-warranty). AMC charges should be quoted separately (annual basis) in the Financial bid.

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

**22) 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.

**23)** 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.

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

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

**26)** 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.

**27)** 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.

**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. **Reference of reputed Customers**
- k. **Details of the highest order executed and value thereof**
- l. **Authorization from Manufacturer/Supplier attached**
- m. **Tender fee submitted/enclosed.**
- n. **E.M.D. attached with BID.**
- o. **Infrastructure facilities required for installation & commissioning attached**
- 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 FREEZE DRYER (LYOPHILIZER) BENCH-TOP TYPE**, 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 \_\_\_\_\_ 2013.

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 \_\_\_\_\_ 2013.

**Signature of the bank**

**NATIONAL CENTRE FOR ANTARCTIC & OCEAN RESEARCH**  
 (Ministry of Earth Sciences, Govt. Of India)  
 Headland Sada, Vasco-da-Gama GOA 403 804, INDIA  
 Tel: 91- (0) 832 2525571 Telefax: 91- (0) 832 2525573  
 Email: [warlu62@ncaor.org](mailto:warlu62@ncaor.org) Website: [www.ncaor.gov.in](http://www.ncaor.gov.in)

PUBLIC TENDER

Director, National Centre for Antarctic & Ocean Research (NCAOR) invites sealed tenders in two-parts (part I – Technical bid & part II Financial bid) 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/LAB -1915/PT-22 | SUPPLY OF FREEZE DRYER (LYOPHILIZER) BENCH-TOP TYPE | 01 Lot | 1000.00             | 35,000.00 |

Last date for issue of tender documents : **22.01.2013**

Last date for submission of quotation : **23.01.2013**

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 ` 50/- by 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 24.01.2013** 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**