

INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE

2A & 2B, RAJA S C MULLICK ROAD, JADAVPUR, KOLKATA 700032

TENDER NOTICE

NTT No. IACS/SMS/NRJ /2020-2021/08

Date: 22/09/2020

Sub: **Procurement / Purchase of “Ultra-Low Freezer (-80 °C)”**

Sealed tender in two bids system (technical bid and price bid) is invited from bonafide, resourceful and eligible manufacturer/exclusive distributor/vendors for **Procurement/Purchase of “Ultra-Low Freezer (-80 °C)”**.

Part I (Technical Bid) of the tender should contain technical details and commercial terms and conditions and **Part II (Price Bid)** should indicate group-wise price as mentioned in the Technical Bid where applicable. The Technical Bid and Price bid are to be submitted in two separately sealed envelopes distinctly marked accordingly and both to be put inside another envelope, which should be sealed and superscribed with tender notice no. and due date. The bidders may submit bids duly signed in their own letterheads. Complete tender bids should reach the office of the **Registrar, Indian Association for the Cultivation of Science, 2A & 2B Raja S. C. Mullick Road, Jadavpur, Kolkata 700032 or on before the scheduled date & time specified below.**

Tender Notice Number	IACS/SMS/NRJ/2020-2021/08
Last date and time of submitting tender	October 15, 2020 at 1.00 p.m
Pre-bid meeting	October 6 at 3 PM via online mode (interested vendors are requested to send their email id to camnrj@iacs.res.in)
Date and time of opening tender	October 15, 2020 at 3.30 p.m via online
Place of Opening Tender (Technical Bids)	School of Material Science Office

Date and time of opening of Price Bids	The price bids of only technically qualified bidders will be opened and they will be intimated the date and time of opening of price bids at their email id-(s). Rest of the bids will stand rejected.
Contact	Email: camnrj@iacs.res.in Phone: 24734971 Ext. 1195

Technical Specification: “Ultra-Low Freezer (-80 °C)” with following Hardware:

A. TECHNICAL BID:

1. The Freezer shall have minimum inside volume capacity of 420 Liter or more.
2. The Freezer shall maintain a sample temperature -50°C from -80°C with 1°C increment by using a high accuracy PT1000 probe in an ambient up to 32 °C temperature.
3. The freezer must be constructed using thick vacuum panel insulation in conjunction with environmentally-friendly CFC free water blown foam.
4. Freezer interior shall be made up with steel and exterior made up with high-impact powder coat finished steel to ensure longevity with 4 or more internal storage compartments with a minimum of 4 insulated inner doors to ensure sample security.
5. Door latch allows one-handed opening and closing. Handle must include door key lock as well as padlock provision for added security.
6. Freezer shall have a RS485 output, dry contacts and 4-20mA output for remote monitoring purposes.
7. Freezer shall hold more than 300 numbers of small boxes or 30000 number 2ml vials.
8. Freezer must incorporate with Touch Screen Controller Display panel with incorporated set point security with passcode/password.
9. Freezer interface shall incorporate icons to advice users of alarm status for warm or cold excursions, door ajar, or power failure.
10. Freezer shall record temperature excursions including actual temperature, warmest temperature and coldest temperature.
11. Freezer shall control temperature to within an average peak variation from set point of +5/-4 at a -80C set point in an empty freezer of 230V/50Hz voltage supply. Supplier must provide test data to verify freezer performance.

12. Empty freezer shall recover from one minute door opening to -75°C set point in under 20 minutes in an ambient temperature of 20 °C. Supplier must provide test data to verify freezer performance.
13. Empty freezer should not warm to -50°C from -80°C set point in under 225 minutes during a power failure in a 20°C room.
14. Freezers must maintain a sound level no louder than: 53Db(A).
15. Freezer shall use only natural, commercially available refrigerants (Natural refrigerants compliant with EU F-Gas regulation: ONLY Hydrocarbon) with two Stage Cascade System.
16. Freezer must be listed under FDA Class II Medical Device for Storage of Blood, Plasma, Tissue, Skin, and Bone &UL, cUL, and CE standards for safety and performance.
17. The freezer should have 5-year standard warranty on all parts.
18. A suitable voltage stabilizer should be supply from local with 5 years of warranty.

B. PRICE BID:

The financial bid should be superscribed as “**Price Bid**” on the outer cover of the envelope.

1. Price Bid: The financial bid indicating (item-wise) price for the item(s) mentioned in the technical bid should be kept in a separate sealed envelope duly superscribed as “PRICE BID” on the outer cover of the envelope as already detailed above. The price bids of only technically qualified bidders will be opened and they will be intimated the date and time of opening of price bids at their email id-(s). Rest of the bids will stand rejected.
2. Price: Price to be quoted both on FOB/CIF basis for foreign currency or in Indian currency. Name of the particular port from where our authorized forwarder will lift the consignment must be mentioned clearly with FOB price.

C. BID SECURITY

An Account Payee Demand Draft of Rs. **12,000/- (Rupees Twelve thousand only)** in the name of “Indian Association for the Cultivation of Science” is to be furnished by the bidders, as Bid Security money or Earnest Money Deposit (EMD).

1. The Demand Draft for the Bid-Security money should have at least 45 (forty five) days validity period after the opening of the Bids.
2. In case of non-award of the work the Bid Security money would be returned to the unsuccessful Bidders.

D. PERFORMANCE SECURITY:

An Account Payee Demand Draft of an amount of 10% of the order value in the name of “Indian Association for the Cultivation of Science” is to be furnished by the successful bidder as Performance security. Performance security money should remain valid for a period of 60 days beyond the date of completion of all contractual obligations of the supplier including warranty obligations. Bid security money will be refunded to successful bidder on receipt of the Performance security money.

E. GENERAL INSTRUCTION:

- 1) Incomplete & conditional tenders and tenders received after the due date will be summarily rejected without assigning any reasons thereof. **“Ultra-Low Freezer (-80 °C)”** should clearly be written on the envelope.
- 2) At any time prior to the bid due date, IACS may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder during pre-bid meeting, modify the bidding documents. The amendment(s) will be notified on the Institute website. Prospective bidders are advised to occasionally visit the website (www.iacs.res.in/tender) for any amendment.
- 3) Payment: 100% against delivery and successful installation subject to submission of performance guarantee.
- 4) Warranty: Minimum 3 years with annual maintenance contract (free of additional charge)
- 5) Installation/Demonstration/Application Training at site: Free of cost by the supplier
- 6) User list: The suppliers should provide a list of current users (with contact no, Email address etc.) for the quoted item in India.
- 7) Service facility: Suppliers should mention their details of service setup and Manpower in Kolkata who are responsible for after sales support. Response times should be within 24 hours.
- 8) The tenders submitted shall remain valid at least for three months from the date of opening the tender. Validity beyond three months from the date of opening of the tenders shall be by mutual consent
9. The tender should accompany a compliance chart. A technical compliance chart should also be provided following the given format:

Serial Number	Tender Specification	Specification of your offered instrument	Extent of compliance

10)

The rates should be inclusive of all taxes, transportation etc. Nothing extra will be paid in addition to the quoted rate.

- 11) The model number, make, and a printed literature of the product shall be submitted positively.
- 12) Proposed delivery schedules should be mentioned clearly.
- 13) Manufacturers/exclusive distributors/vendors should have history of supplying this type of instrument to this or other Scientific Organization.
- 14) Authorized Dealership Certificate must, in case of principal manufacturing company is not quoting directly.
- 15) Guarantee certificate, users manual etc. are to be handed over to the user after successful commissioning of the system.
- 16) Incomplete tenders will be summarily rejected.
- 17) For any clarification regarding technical specifications, etc. please send your queries to camnrj@iacs.res.in.
- In the event of date being declared a closed holiday for purchaser's office, the due date for submission of bids and opening of technical bids will be the following working day at the appointed time.
- 19) **Acceptance of Tender:** IACSA authority does not bind itself to accept the lowest tender and reserves the right to reject any or all the tenders received without assigning any reason thereof.

REGISTRAR