

SPECIFICATION FOR ULTRA LOW TEMPERATURE FREEZER

1. Upright Freezer with capacity atleast 400- 450 Liters .
2. System should have Programmable operating temperature from -50°C up to -86°C with 1°C increment.
3. It should be an energy efficient system with power consumption ≤ 11 kWh per day under standard test conditions & noise level <60 dB.
4. System must be fully functional in operating temperature range (ambient Temperature) from 10°C upto 32°C
5. System should have a pull down time from ambient temperature to $-85^{\circ}\text{C} \leq 6$ hrs
6. Fully programmable microprocessor controlled with membrane keypad and eye level control panel.
7. Construction should be of Polyurethane foam (130mm thick) insulation.
8. System should have 304L grade stainless steel interior and tough, powder coated exterior finish constructed on steel gauge of 18g ZINTEC 1.2 mm thick.
9. System should have heated air vent with ice-cleaning plunger to prevent vacuum formation & allowing the door to be quickly & effortlessly opened anytime in the day.
10. Inner door should have silicone seal to prevent temperature loss and Outer door should have safe silicone triple point seal with flat soft sealing on outer door which is easy to clean, durable and prevent ice formation.
11. Freezer should have five insulated doors with 4 adjustable shelves.
12. Heavy duty lockable castors and lockable outer doors and lids.
13. Freezers should have heated air vent to prevent vacuum formation & easy door opening with front panel air filter for easy cleaning.
14. Should have security keyed locks on the outer doors and lids keep out unauthorized users.
15. Freezer must have battery back-up and 4 PIN security lock for unauthorized tampering.
16. Freezer must have on board diagnostic software to trace system errors & lockable ON/OFF switch to prevent accidental switch off.
17. Audible and visible alarms for temperature, power failure, system failure, battery low etc.
18. Freezer must use CFC-FREE, HCFC-FREE nonflammable refrigerants, and refrigeration system must be energy efficient and hermetically sealed two stage cascade refrigeration system.
19. Compressor should be capable to run any voltage between 190 – 270V.
20. Freezer should be ISO 9001, CE & UL certified.
21. Freezer must have capacity to hold 15 racks and 240 boxes of 2"/ 5 cms height vials (Total sample (2" / 5 cms vials) capacity of 24,000 or more).
22. System should be supplied with 5KVA servo voltage stabilizer for smooth functioning.

Eligibility Criteria

- Bidder should be Manufacturer/ Authorized Partner/ Reseller of the manufacturer and a Letter of Authorization from manufacturer for the same and specific to the tender should also be enclosed. The bidder should also be the Authorized Service Provider.

- Bidder should be financially sound to execute the order. Certificate to this effect should be issued by any nationalized/ scheduled bank showing its annual turnover of at least 25Lakhs each in the last three financial years.
- The Bidder shall provide the Registration number of the firm along with the LST/ CST/ WCT No. and the PAN Number issued by the concerned authorities.
- The bidder should enclose similar orders provided to various reputed Government Institutes/Research labs/ICAR/CSIR institutes throughout India in the last 5 years.
- Separate technical and price bid should be uploaded.
- Technical Bid must contain a Technical Compliance sheet. Technical compliance sheet must have the page number of a published catalogue/operating manual/manufacture website as proof for compliance with the instrument and accessories for each technical points. Relevant copies of catalogue/operating manual/manufacture website pages that have been listed as proof should be attached.
- All vendors are requested to attach original technical literature/ catalogue in support of the mentioned specifications & highlight the above features. The same features should be available in the company website.
- Price Bids should contain the prices, terms of delivery, sales, payment terms etc.
- The bidder must not be blacklisted by Delhi University. A Certificate or undertaking to this effect must be submitted.
- A copy of the Technical bid must be provided to Dr. Kaustuv Datta, Department of Genetics, UDSC, Tel: 011-24119810

No Commitment to Accept Lowest or Any Tender

- Demonstration of the equipment will be required if needed.
- University of Delhi shall be under no obligation to accept the lowest or any other offer received in response to this tender notice and shall be entitled to reject any or all offers. University of Delhi will not be obliged to meet and have discussions with any vendor, and or to listen to any representations.

Warranty /Comprehensive Maintenance

- Machine should be warranted for minimum 12 months & compressor for 5 years from the date of installation.
- Warranty upto 5 years on the machine from date of installation after expiry of standard warranty should be quoted, year wise under optional items in the price bid.
- Installation and commissioning to be completed up to the satisfaction level of the technical purchase committee followed by training and handling by the bidders

Price quotation

- F.O.R. UDSC price only in INR to be quoted which includes transportation charges to site of installation. IGST/CDEC will be provided.
- Payment will be made against successful installation.
- Validity of the quotation should be till 31st March 2019.
- Vendor must supply the order within two weeks of the order

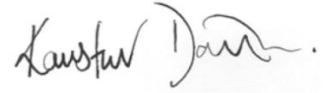
Published Date: 02-02-2019 (12:00 Hrs)

Bid Document Download Start Date: 02-02-2019 (14:00 Hrs)

Bid Submission Start Date: 03-02-2019 (10:00 Hrs)

Bid Submission End Date: 09-02-2019 (17:00 Hrs)

Bid Opening Date: 11-02-2019 (11:00 Hrs)



Kaustuv Datta

KAUSTUV DATTA, Ph.D
Assistant Professor
Department of Genetics
University of Delhi South Campus
New Delhi-110021

All the relevant documents related to tender can be found on CPPP portal