# भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान मोहाली

शिक्षा मंत्रालय, भारत सरकार द्वारा स्थापित

सैक्टर 81, नॉलेज सिटी, प० ओ० मनौली, एस० ए० एस० नगर, मोहाली, पंजाब - 140306

**INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH MOHALI**

**(Estd. By Ministry of Education, Govt of India)**

Sector-81, Knowledge city, PO-Manauli, SAS Nagar Mohali-140306, Punjab

PAN No. - AAAAI1781K GST No. 03AAAAI1781K2ZS

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*CPPP/Institute Website*

IISERM(1693)25/26-Pur-GTE Dated: 29-04-2025

# शुद्धिपत्र -I / CORRIGENDUM –I

Refer to IISER Mohali Global Tender Enquiry ref. no. IISERM(1693)24/25-Pur-GTE dated 09-04-2025 for inviting bids towards "**Supply and Installation of the Ultra-Low Temperature Deep Freezers along with accessories",** Knowledge City, PO. Manauli S.A.S. Nagar, Mohali, Punjab-140306. The On-line bid submission date is further extended due to amendments / additions in NIT in the above GTE notice, **as per below schedule**:

| BOQ no. | Details of Specifications of the Stores | Addition / Amendment in technical specifications |
|---|---|---|
| **1.** | **Supply and Installation of the Ultra-Low Temperature Deep Freezers along with accessories** | **As per NIT / BOQ and as per below amendments** |
| **ii)** | **Ultra Low Temperature Minus 86°, capacity 725 Ltr.** | **725 Ltr or more capacity**<br>**Technical Specifications:**<br>1. Freezer should have capacity of 725 Liter or more.<br>2. Touchscreen display with advanced Interface & Access code.<br>3. System should have on board Temperature & Data monitoring and data export via USB for documentation; with memory to provide on board data storage for at least a month or longer<br>4. System should have Programmable operating temperature from –50 °C up to –86°C with 1°C increment at 32°C ambient operating temperature.<br>5. System should be highly energy efficient, with maximum energy consumption 12 KWh/day (Kilo Watt Hours per day) when system is at - 80°C.<br>6. Freezer should have a temperature uniformity of +4.5°C/-1°C.<br>7. Insulation should be a combination of advanced vacuum insulation panel (VIP) technology & Polyurethane foam to reduce freezer wall thickness; while maintaining highest heat insulation.<br>8. System Exterior should be made up of powder coated Steel (or better) to resist scratch and rust and the interior should be of Polished Stainless Steel grade 304 2B (or better) for easy cleaning and to eliminate potential for oxidation.<br>9. Freezer should have at least 3 inner doors, and all doors should have silicone seal to prevent temperature loss.<br>10. Outer door should have safe high efficiency seal.<br>11. Ambient (24°C) to -85°C pull down timing should be 4.5 hrs or lesser; with freezer being maintained empty.<br>12. Warm up time (freezer 2/3 full, from -85 °C to 0 °C) of at least 40 hrs or longer and -85°C to -50°C should be more than 8 hrs and graph of same to be enclosed.<br>13. Freezers should have an Automated vent port for quick re-access to samples and front panel air filter; easily accessible for cleaning and maintenance. |

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| | | 14. System should have Silence level/Noise level (at -80 °C) 50 dB or lesser<br>15. Freezer must have battery back-up and password protection security for unauthorized tampering of freezer settings.<br>16. The system should have an in-built dedicated 24/7 alarm and backup mechanism with audible and visible alarms for temperature failure, power failure, system failure, low battery, clogged filter etc.<br>17. Freezer must use Natural Refrigerant Green Hydrocarbon based cooling liquid R290 & R170 (refrigerants used must be mentioned).<br>18. ROHS & WEEE Compliance required for User, Environmental safety. Declaration of conformity certificate required with EN 50581, EN55011 & UL 61010-1.<br>19. The compressor should be capable of operating at any voltage between 190V and 270V and should have power plug suitable for Indian power sockets<br>20. Freezer must be supplied with 5kV Servo Stabilizer.<br>21. The freezer should accommodate at least 18 freezer racks and be supplied with at least 6 freezer racks constructed out of anodised aluminum (Hindalium) with each having a capacity to store at least 24 cryo-boxes having a height of 2".<br>22. Warranty for with freezer should be atleast 1 year, with additional warranty of 4 years for the compressor.<br><br>**<u>Other Terms and Conditions</u>:**<br><br>1. The system should not be an end-of-life model.<br>2. The quoted model of freezer should have atleast 5 installations in government research labs in past 3 years. Documents supporting the claim should be attached.<br>3. Our institute can ask for the demonstration of the instrument within our institute at any time during the tender process.<br>4. All the specifications should be supported by documentation in the form of original brochure/catalog. Photocopy will not be accepted. We reserve the right to disqualify parties who do not comply with the original documents.<br>5. All the features marked as "yes" in the compliance sheet should be clearly highlighted on the catalogue of the quoted system (which needs to be furnished with the quote) and the same catalogue should be available (in English) on the manufacturer's website. Further, the bidder will be required to provide the web address of the catalog displayed on the manufacturer's website. |
| **iv)** | **Ultra Low Temperature Minus 80°, capacity 400 Ltr.** | **400 Ltr or more capacity**<br><br>**Technical Specifications:**<br><br>1. Freezer capacity should be of 400 Litres or more<br>2. It should have programmable operating temperature from –50°C up to –86°C with 1°C increment<br>3. It should be an energy efficient system with power consumption ≤ 9 KWh/day per day under standard test conditions.<br>4. System should have quick door opening possibility & improved temperature uniformity with an automatic vent port located within the user interface panel at eye level & with easily accessibility.<br>5. Fully programmable microprocessor controlled with keypad.<br>6. Construction should be of Polyurethane foam or similar material.<br>7. Body should be made up of powder coated steel to resist both scratch/rust and the interior should be made of 304 SS.<br>8. Freezer should dissipate minimum heat to the environment, energy efficient and BTU/hour should not more than 1400 BTU/hr. (at -80° C and 22-26° C ambient conditions).<br>9. Freezer should have four or more compartment with three or more adjustable height stainless steel shelves and should have inner doors with magnetic closures for reduced exposure to environment and energy saving.<br>10. Noise level at -80° C should less than 55dB.<br>11. On off Switch and On off alarm should be lockable for safety of accidental shut off.<br>12. Freezer must use natural refrigerant green hydrocarbon based cooling liquid R290 & R170 (refrigerants used must be mentioned).<br>13. In case of breakdown the freezer 2/3 occupancy should show a temperature range as given:<br>- drop from -85 °C to 0 °C should be 36 hrs or better &<br>- drop from -85 °C to -50 °C in 8hrs or better.<br>14. Pull down time of empty freezer from ambient to -80° C should be less than 4 hours.<br>15. Freezer should be with 3 year Warranty.<br>16. Certification from international and national regulatory bodies are required<br>17. All shelves loaded with racks to be supplied to hold 2 inch boxes.<br>18. Compatible Stabilizer to be supplied along with freezer. |

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| | | **Note:**<br>1) Provide evidence for the sale of unit to at least five reputed national institutes.<br>2) Institute can ask for the demonstration of the instrument within our institute at any time during the tender process.<br>3) All the specifications should be supported by documentation in the form of original brochure/catalog. Photocopy will not be accepted. We reserve the right to disqualify parties who do not comply with the original documents. Compliance statement should be attached with markings in the original catalog. |

**Extension of end time for submission of Bid**

*Bidders are requested to furnish bid incorporating the above changes/ amendment/s.

**Revised date and Time:**

| Sr. No. | Description | Extended Due date/Time |
|---|---|---|
| 01 | **Closing Date & Time (Online) submission** | **19th May 2025 upto 2:30 PM** |
| 02 | **Opening Date & Time of Technical Bid** | **20th May 2025 upto 3:30 PM** |

For any information, other modifications and corrigendum etc may kindly visit IISER Mohali websites http://www.iisermohali.ac.in/ & CPPP Portal https:/eprocure.gov.in/eprocure/app

**Sd/-**
सहायक कुलसचिव (क्रय तथा भंडार)
**Assistant Registrar (Stores & Purchase)**