



# भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान मोहाली

शिक्षा मंत्रालय, भारत सरकार द्वारा स्थापित  
सैक्टर 81, नॉलेज सिटी, प. ओ. मनोली, एस. ए. एस. नगर, मोहाली, पंजाब 140306  
INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH MOHALI  
(Established by Ministry of Education, Govt. of India)  
Sector-81, Knowledge city, PO-Manauli, SAS Nagar Mohali-140306, Punjab  
PAN No. - AAAAI1781K GSTIN – 03AAAAI1781K2ZS

• Phone : +91-172- 2240121 • Fax : +91-172-2240124 • <http://www.iisermohali.ac.in> • Email: [stores@iisermohali.ac.in](mailto:stores@iisermohali.ac.in)

CPPP/Institute Website

IISERM (1450) 20/21-Pur

Dated: 10<sup>th</sup> March 2021

## **NOTICE INVITING E-TENDER**

Online tenders are invited on behalf of the Director, IISER Mohali in **TWO BID SYSTEM** for the **Supply and installation of Ultra Low Temperature Freezer with accessories** as per technical specification and details given below and BOQ list from the original manufacturer/supplier at CPPP i. e. <https://eprocure.gov.in/eprocure/app>. Tender documents may please be downloaded from the E-procurement portal website <https://eprocure.gov.in/eprocure/app> & Institute website [www.iisermohali.ac.in](http://www.iisermohali.ac.in).

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Assistant Registrar (P&S)

**NOTE: THIS IS A DOMESTIC TENDER ACCORDING TO THE DPIIT ORDER DATED 15/07/2017 AND SUBSEQUENT AMENDMENTS TO THE ORDER FOR PUBLIC PROCUREMENT PREFERENCE & PROVISION FOR LOCAL SUPPLIERS TOWARDS PREFERENCE TO MAKE IN INDIA. THE BIDDER REQUIRED TO DECLARE ON THE LETTER HEAD THE PERCENTAGE OF LOCAL CONTENT FOR THE QUOTED INSTRUMENT AND SUBMIT WITH THE TECHNICAL BID.**



# भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान मोहाली

शिक्षा मंत्रालय, भारत सरकार द्वारा स्थापित  
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## E-TENDER NOTICE

Tender Ref.- IISERM(1450)20/21-Pur	Dated :- 10 <sup>th</sup> March 2021
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### Critical Date Sections

Sr.	Description	Date	Time
1.	Tender Publishing Date and time	10 <sup>th</sup> March 2021	6:00pm
2.	Tender Document download start Date & Time	10 <sup>th</sup> March 2021	6:00pm
3.	Bid Submission start Date & Time	10 <sup>th</sup> March 2021	6:00pm
4.	Bid Submission End date and Time	01 <sup>st</sup> April 2021	Upto 11:00am
5.	Tender opening Date and Time	02 <sup>nd</sup> April 2021	At 11:30am

Online tenders are invited on behalf of the Director, IISER Mohali in **TWO BID SYSTEM** for following item(s) from the original manufacturer/supplier at CPPP i.e. <https://eprocure.gov.in/eprocure/app>. Tender documents may please be downloaded from the E-procurement portal website <https://eprocure.gov.in/eprocure/app> & Institute website [www.iisermohali.ac.in](http://www.iisermohali.ac.in). Tender fee in shape of Demand Draft of Rs 590/- (Non-refundable) and EMD of Rs. 40,000/- should be submitted by Demand Draft /FDR/ Bank Guarantee in favour of the Registrar, IISER Mohali payable at Mohali or through Online mode in Institute Account (Canara Bank Saving Account Number 4790101001912 and IFSC Code CNRB0004790) However, scanned copy of the both Tender fee and EMD should be uploaded on website along with technical bid. The hard copy of the same in original to be send to the address mentioned below duly superscribing the supply/work name and reference/ tender ID on the envelope and same must reach before opening the bid and if not received before due date the bid will be summarily rejected. **Micro & MSME/NSIC and Firms registered and the firms registered with concerned Ministries/ Departments, the bidders are exempted from payment of Tender Fee/EMD as per GOI notifications/GFR (2017) and Ministry of Finance OM No. F.9/4/2020-PPD dated 12 November 2020.**

**MSME/NSIC bidders are exempted from payment of Tender Fee/EMD as per GOI notifications/GFR (2017). Bidders will also be required to execute bond/undertaking Bid Security Declaration Form attached as ANNEXURE-I for availing exemption to submit EMD.**

### **The Original EMD and Tender Fee should be sent to:**

Assistant Registrar (P&S)  
Indian Institute of Science Education and Research Mohali  
Sector-81, Knowledge City, SAS Nagar, Mohali, Punjab,  
India, Pin: 140306

**Non-receipt of original EMD and Tender Fee will lead to rejection of tender.**

## ITEM WISE DETAILS

Sr.	Description	Qty. (in units)
1.	<p><b>Supply and installation of Ultra Low Temperature Freezer with accessories</b></p> <p><b><u>Technical Specifications:</u></b></p> <ol style="list-style-type: none"> <li>1) The system should be an ultra-low temperature freezer with a volume of 730 Liters or more and an operating temperature range <math>-50^{\circ}\text{C}</math> (or higher) to <math>-85^{\circ}\text{C}</math> (or lower) with <math>1^{\circ}\text{C}</math> increment at <math>32^{\circ}\text{C}</math> ambient temperature.</li> <li>2) The system should have an <b>in-built</b> cloud computing-based secure data transfer mechanism so that system data like parameter setting &amp; system status can be accessed at any time from any geographic location (including off site) as long as the user has internet access and a computer terminal with the appropriate secure cloud access platform.</li> <li>3) The system should have a touch screen based digital user interface at the eye-level of the user with on-board data storage (at least 1 year) to keep track of freezer parameters.</li> <li>4) The placement of the digital user interface should not lead to a reduction in the freezer insulation, especially in the area where the display is positioned.</li> <li>5) The system should have an <b>in-built</b> on board temperature and data monitoring and export mechanism that allows data export through an in-built front-mounted USB port.</li> <li>6) The system should have an <b>in-built</b> dedicated 24/7 alarm and backup mechanism with audible and visible alarms for temperature failure, power failure, system failure, low battery, clogged filter etc.</li> <li>7) The freezer should have an <b>in-built</b> remote device monitoring and notifications mechanism that will notify the user of erratic operation of the system (eg. loss of power or temperature, system failure etc.) over the internet even if the user is off site.</li> <li>8) The system should have an <b>automatic</b> vent port located at the eye level of the user such that the vent port can automatically prevent vacuum formation enabling the outer door to be conveniently opened any time.</li> <li>9) The system should have power switches for main power and back up battery that can be secured to prevent tampering.</li> <li>10) The system should be energy efficient, with an energy consumption of no more than 11 KWh/day.</li> <li>11) The system should be microprocessor controlled.</li> <li>12) The insulation for the system should be a combination of advanced vacuum insulation panel (VIP) technology &amp; polyurethane.</li> <li>13) The system exterior should be made up of powder coated steel to resist scratch and rust and the interior should be of polished stainless steel, grade 304.</li> <li>14) The system should have 3 inner doors with <b>silicone seal</b> to prevent temperature loss.</li> <li>15) The outer door of the system should have safe <b>silicone triple point</b> seal.</li> <li>16) The system, set at <math>-80^{\circ}\text{C}</math>, should go down to the set temperature within 30 minutes (or lower) or 25 minutes (or lower) after the freezer door has been kept open for 1 minute or 30 s respectively.</li> <li>17) The system should have a temperature pull down time going from <math>23^{\circ}\text{C}</math> to <math>-85^{\circ}\text{C}</math>, of 4.5 hours or less.</li> <li>18) In case of a power failure the warm up time of the freezer (<math>-80^{\circ}\text{C}</math> to <math>0^{\circ}\text{C}</math>) should be 40 hrs or more and in case of a power failure the freezer should be able to maintain a temperature of <math>-50^{\circ}\text{C}</math> or lower for 8 hours or more.</li> <li>19) The Freezer should have an <b>in-built</b> temperature monitoring probe in the middle sample storage cabinet and the cabinet temperature uniformity should be <math>+5^{\circ}\text{C}</math> to <math>-0.0^{\circ}\text{C}</math> or better.</li> <li>20) The system should be able to store at least 57,000 cryo-vials (2") and 576 cryo-boxes having a height of 2".</li> <li>21) The system should have a noise level of less than 45 dB.</li> </ol>	02

<p>22)The system should have <b>in-built</b> security keyed locks on the outer doors and lids.</p> <p>23)The freezer must have <b>in-built</b> battery back-up and <b>in-built</b> password protection security.</p> <p>24)The freezer must have a RS 485 interface data logging port.</p> <p>25)The freezer must be HFC-free, CFC-free and HCFC-free.</p> <p>26)The freezer should be energy efficient and have a hermetically sealed two stage cascade refrigeration mechanism.</p> <p>27)The compressor should be capable of operating at any voltage between 190V and 270V.</p> <p>28)The freezer must satisfy all the Indian safety and quality requirements and should have power plugs suitable for Indian power sockets.</p> <p><b>29)Warranty: The freezer should come with at least one year of warranty.</b></p> <p>30)The system should not be an end-of-life model.</p> <p>31)The freezer should <b>accommodate</b> at least 18 freezer racks and be <b>supplied</b> with at least <b>11</b> 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”.</p> <p>32)The freezer should be supplied with 5 KVA servo voltage stabilizer.</p> <p>33)The vendor/manufacturer should have at least 10 installations of the system (or similar systems) in India and the vendor/manufacturer should furnish documents to support this claim.</p> <p>34)A compliance sheet with yes/no is required for all the above-mentioned technical specifications.</p> <p>35)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.</p>	
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**A) IMPORTANT NOTES:-**

- I. **THIS IS A DOMESTIC TENDER ACCORDING TO THE DPIIT ORDER DATED 15/07/2017 AND SUBSEQUENT AMENDEMENTS TO THE ORDER FOR PUBLIC PROCUREMENT PREFERENCE & PROVISION FOR LOCAL SUPPLIERS TOWARDS PREFERENCE TO MAKE IN INDIA.**
- II. **The online updated Price BOO is in INR format.**
- III. **The Online bids should be submitted directly by the original manufacturer/supplier. If quotation is submitted/filled by any representative/agent/dealer then they must upload a authority certificate from the principal company.**
- IV. **All MSME/NSIC/Startup Units shall be considered as per provisions/rules prescribed by Govt of India.**
- V. **Auto-extension of last date for E-Tenders has been activated by CPP Portal which has participation 2 bids or less.**
- VI. **Kindly do not quote End of Life Model**

**B) SUBMISSION OF TENDER**

- I. All bid/ tender documents are to be uploaded online at Central Public Procurement portal i.e. <https://eprocure.gov.in/eprocure/app> only and in the designated cover/ part on the website against tender ID. Tenders/ bids shall be accepted only through online mode and no manual submission of the same shall be entertained except tender fee and EMD. Late tenders will not be accepted.
- II. The online bids shall be opened at the office of the Assistant Registrar (P&S), IISER Mohali, on above given date and time. If the tender opening date happens to be on a holiday or non-working day due to any other valid reason, the tender opening process will be attended on the next working day at same time and place. IISER Mohali will not be responsible for any error like missing of schedule data while

downloading by the Bidder.

- III. The bidder shall upload the tender documents duly filled in and stamped by the authorized signatory on each and every page. Tender not submitted/uploaded in the prescribed form and as per the tender terms and conditions shall be liable for rejection.
- IV. The bidder shall upload scanned copy of the PAN Card, GST number duly signed and stamped. **Also bidders applying against ‘MSME/NSIC Certificate’ issued by appropriate Authority, should ensure that the certificate attached is relevant to the area of service/supply. For example, If the tender is for “supply & installation of Desktop” the certificate should be issued for activity/area of “Computer supply and services activities etc” otherwise bid will be REJECTED without notice.**
- V. E-procurement system ensures locking on the scheduled date and time. The system will not accept any bid after the scheduled date and time of submission of bid.

### **C) INSTRUCTIONS**

1. The Online bids should be submitted directly by the original manufacturer/supplier, If quotation is submitted/filled by any representative/agent/dealer then they must upload a authority certificate from the principal company for quoting the price otherwise such quotation will be rejected.
2. The quantity mentioned in this inquiry is and shall be deemed to be only approximate and will not in any manner be binding on the Institute. Before the deadline for submission of the online bid, IISER Mohali reserves the right to modify the tender document terms and conditions. Such amendment/modification will be notified on website against said tender ID.
3. The rates offered should be FOR Chandigarh/Mohali in case of firms situated outside Chandigarh/Mohali, and free delivery at the Institute premises in case of local firms. Supplier from outside India should mention the Ex-works/FOB/FCA/CIF/CIP price clearly. Conditional tenders will be summarily rejected.
4. In case of Ex-godown terms the amount of packaging forwarding freight etc. should clearly be indicated by percentage or lump sum amount. Institute has policy not to make any advance payments towards any purchase, Letter of credit can be opened if required.
5. THE INSTITUTE IS EXEMPTED FROM CUSTOM DUTY under notification no- TU/V/RG/-CDE(1062)/201 CUSTOM DT.30.08.2016.
6. Tax: This Institute is not exempted from the payment of GST. The current rate (i.e. percentage of GST should be clearly indicated included or excluded) wherever chargeable. Please also provide/upload the copy of PAN card, GST number duly self-attested.
7. Concessional GST is applicable for all the items purchased for Research labs vide Ministry of Finance, notification no. 45/22017 dated 14.11.2017 and 47/2017 dated 14.11.2017.
8. Bidder/s quoting in currency other than **Indian Rupee (INR)** should explicitly mention the currency in which tender quoted wherever applicable in Technical Bid along the tender documents.
9. The delivery period should be specifically stated. Earlier delivery will be preferred.
10. The firms are requested to provide/upload detailed description and specifications together with the detailed drawings, printed leaflets and literature of the article quoted. The name of the manufactures and country of manufacture should also invariably be stated. In the absence of these particulars, the quotation is liable for rejection.
11. Validity of offer: 90 days. The warranty period after satisfactory installation should be mentioned and firm should replace all manufacturing defect parts/ whole item under warranty without any extra cost including clearance, freight, taxes. Security deposit/ Bank Performance Guarantee @ 3% of the value of supply order, in terms of *Ministry of Finance, DoE, GOI, OM. No. F.9/42020-PPD dated 12-11-2020* and as per norms may be sought from the firms.
12. The right to reject all or any of the quotation and to split up the requirements for itemized L-1 or relax any or all the above conditions without assigning any reason is reserved by the IISER Mohali. For any corrigendum and addendum please be checked the website <https://eprocure.gov.in/eprocure/app> and <http://www.iisermohali.ac.in>
13. Disputes, if any, shall be subject to jurisdiction in the court of Mohali only.

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**ANNEXURE-I**

**Bid Securing Declaration Form**

Date: \_\_\_\_\_ E-Tender No. \_\_\_\_\_ E-Tender ID \_\_\_\_\_

To (insert complete name and address of the purchaser)

I/We. The undersigned, declare that:

I/We understand that, according to your conditions, bids must be supported by a Bid Securing Declaration.

I/We accept that I/We may be disqualified from bidding for any contract with you for a period of one year from the date of notification if I am /We are in a breach of any obligation under the bid conditions, because I/We

- a) have withdrawn/modified/amended, impairs or derogates from the tender, my/our Bid during the period of bid validity specified in the form of Bid; or
- b) having been notified of the acceptance of our Bid by the purchaser during the period of bid validity (i) fail or reuse to execute the contract, if required, or (ii) fail or refuse to furnish the Performance Security, in accordance with the Instructions to Bidders. I/We understand this Bid Securing Declaration shall cease to be valid if I am/we are not the successful Bidder, upon the earlier of (i) the receipt of your notification of the name of the successful Bidder; or (ii) thirty days after the expiration of the validity of my/our Bid.

Signed: (insert signature of person whose name and capacity are shown)  
in the capacity of (insert legal capacity of person signing the Bid Securing Declaration)

Name: (insert complete name of person signing he Bid Securing Declaration)  
Duly authorized to sign the bid for an on behalf of (insert complete name of Bidder)

Dated on \_\_\_\_\_ day of \_\_\_\_\_ (insert date of signing)  
Corporate Seal (where appropriate)

(Note: In case of a Joint Venture, the Bid Securing Declaration must be in the name of all partners to the Joint Venture that submits the bid)

PS: *Furnish the above in original stationary/letter head with signed and sealed.*