



# भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान मोहाली

मानव संसाधन विकास मंत्रालय, भारत सरकार द्वारा स्थापित

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

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

(Established by Ministry of Human Resource Development, Govt. of India)

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

PAN No. - AAAAI1781K GSTIN No:- 03AAAAI1781K2ZS

• Phone : +91-172-2240086 & 2240121 • Fax : +91-172-2240124, 2240266 • <http://www.iisermohali.ac.in> • Email: [stores@iisermohali.ac.in](mailto:stores@iisermohali.ac.in)

CPPP/Institute Website

IISERM (1390)20/21-Pur

Dated: 17<sup>th</sup> August 2020

## **NOTICE INVITING E-TENDER**

Online tenders are invited on behalf of Director, IISER Mohali in **TWO BID SYSTEM** for the **Supply, installation and commissioning of Lab Equipment's 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).

-sd-

(Mukesh Kumar)  
Assistant Registrar (P&S)



# भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान मोहाली

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## **E-TENDER NOTICE**

Tender Ref.- IISERM(1390)20/21-Pur

Dated :- 17<sup>th</sup> August 2020

### **Critical Date Sections**

| Sr. | Description                                | Date                      | Time          |
|-----|--|---------------------------|---------------|
| 1.  | Tender Publishing Date and time            | 17 <sup>th</sup> Aug 2020 | 6:00pm        |
| 2.  | Tender Document download start Date & Time | 17 <sup>th</sup> Aug 2020 | 6:00pm        |
| 3.  | Bid Submission start Date & Time           | 17 <sup>th</sup> Aug 2020 | 6:00pm        |
| 4.  | Bid Submission End date and Time           | 17 <sup>th</sup> Sep 2020 | Up to 11:00am |
| 5.  | Tender opening Date and Time               | 18 <sup>th</sup> Sep 2020 | 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 DD/Banker Cheque of Rs 590/- (Non-refundable) and EMD of Rs.24,000/- should be submitted by DD /Banker Cheque/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 upload on website along with technical bid part. 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 within due date the bid will be rejected summarily.

### **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.**

## Items Details

| Sr. | Description   | Qty.<br>(in units) |
|-----|---|--------------------|
| 1.  | <p><b>Supply &amp; installation of Incubator</b></p> <p><b><u>Technical Specifications:</u></b></p> <ol style="list-style-type: none"> <li>1) Capacity : 100 Litres or above</li> <li>2) Temperature range : -10°C below ambient up to 50°C</li> <li>3) PID-microprocessor controller display</li> <li>4) 1 Pt100 sensor Din class A in 4 wire-circuit</li> <li>5) Temperature stability at 37°C is 0.2°, 80°C is 0.3°C</li> <li>6) Temperature deviation at 37°C is 0.5°C, 80°C is 1.5°C</li> <li>7) Force convectional circulation with fan speed control</li> <li>8) Programme stored in case of power failure</li> <li>9) Self diagnostics for fault analysis</li> <li>10) Calibration facility directly at display</li> <li>11) Features of oven temperature protection</li> <li>12) Systems must have CE and DIN standard</li> <li>13) 230 V(+/-10%), 50/60 Hz</li> </ol> | 01                 |
| 2.  | <p><b>Supply &amp; installation of Autoclave</b></p> <p><b><u>Technical Specifications:</u></b></p> <ol style="list-style-type: none"> <li>1) Fully automatic single-lever top-loading vertical autoclave</li> <li>2) There must be smart microprocessor based temperature controller with LCD display</li> <li>3) Capacity : 75 L or better</li> <li>4) Temperature Range: upto 122°C or better</li> <li>5) Operating pressure : 15 Psi/103.4 kPA</li> <li>6) Safety functions: Lid Switch, spring loaded safety valve, Lid interlock, Independent safety for over temperature, Low water level cut off, Over pressure safety, automatic purging and exhaust.</li> <li>7) Power Requirement : 230V Single Phase 50 Hz</li> <li>8) Accessories: drain hose, water supply hose, carrier and dressing drum X 2</li> <li>9) <b>Warranty One Year</b></li> </ol>                    | 01                 |
| 3.  | <p><b>Supply &amp; installation of Water Bath Shaker</b></p> <p><b><u>Technical Specifications:</u></b></p> <ol style="list-style-type: none"> <li>1) Capacity : 20 L to 40 L</li> <li>2) Controller/display: Microprocessor controlled temperature and speed regulation, Digital display for temperature and shaking frequency (LED or LCD)</li> <li>3) Temperature range : 5°C above ambient temperature to 80 °C or better <ol style="list-style-type: none"> <li>a) Temperature accuracy :±0.1°C or better for entire temperature range</li> <li>b) Temperature uniformity : :±0.5°C or better</li> </ol> </li> <li>4) Shaking motion : orbital</li> </ol>  | 01                 |

- a) Shaking amplitude: less than or equal to 14 mm
- b) Adjustable shaking frequency from 20 to 250 rpm or better
- 5) Cooling coil: should come as a standard with the system to enable operation at below ambient temperature when required
- 6) The bath interior and platform should accommodate minimum number of below flasks at any given time
  - a) 18 no. of 125 ml flasks, or
  - b) 12 no. of 250 ml flasks, or
  - c) 8 no. of 500 ml flasks, or
  - d) 4 no. of 1000 ml flasks
- 7) Shaking platform: shaking platform should be provided as standard to fit clamps for above-mentioned flasks
- 8) Clamps: clamps for all sizes of flasks should be provided as standard, the number of clamps provided should be the same as the maximum holding capacity of the platform. Clamps should be made of stainless steel.
- 9) Racks : 2 racks each for holding 15 ml and 50 ml centrifuge tubes should be provided which fit in the shaking platform. The racks should be made of stainless steel.
- 10) Lids: the water bath shaker should come with lid/lids made of stainless steel (as standard). The lids provided should take into consideration the maximum size of the flasks.
- 11) Material of the shaker: bath interior and shaking platform should be made of stainless steel. The exterior of the shaker should be power coated.
- 12) Control panel should feature: separate on/off switch and switch for shaking and alarm for overheating.
- 13) Dolly with wheels: the unit should be provided with a dolly with wheels, for easy movement of the unit. The height of the dolly should be such that the unit( along with dolly) should fit under standard laboratory bench.
- 14) Electricity supply : 230 V 50 Hz
- 15) Power plug operation: compliant with Indian standard.
- 16) Power consumption: should not exceed 1.5 L W
- 17) Exterior dimensions: should not exceed 670 mm(W) X 600mm (D) X 500 mm(H)
- 18) Consumable: the below number of borosilicate Erlenmeyer flasks with rimless neck(Pyrex/corning or equivalent) should be provided with the system.  
18no of 125ml flasks, 12 no of 250 ml flasks,8 no. of 500 ml flasks, 4no of 1000 ml flasks.
- 19) Warranty: comprehensive warranty of at least 4 years plus two years of AMC from the date of installation.
- 20) The vendor must quote additional items if required to make the unit functional
- 21) Provided evidence for the sale of unit to at least five reputed national institute and the date of installation of unit.
- 22) Our institute can ask for the demonstration of the instrument at any time during the tender process.

**General terms and conditions**

- a) All the specifications should be supported by documentation in the form of original brochure/catalog Photocopy will not be accepted. Institute 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.
- b) The party should be take an undertaking that they will supply the components of the instrument for the next 10 years after its installation at the site. Software and any other accessories that are upgraded by the company within 2 years of installation should be

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|    | <p>provided free of cost.</p> <p>c) Technical support should be available with 24 hr.</p> <p>d) The quoted price should include installation, operator instructions and training onsite.</p> <p>e) Installation will be considered complete only after successful demonstration of all the applications for which this system is being set up for.</p>   |    |
| 4. | <p><b>Supply &amp; installation of Laminar Air Flow Hood</b></p> <p><b><u>Technical Specification Class II type A2</u></b></p> <ol style="list-style-type: none"> <li>1. Biosafety should be Class II, Type A2 with 70% recirculation and 30 Exhaust.</li> <li>2. <b>Unit should automatically compensate speed of fan against HEPA filter chock/load to provide constant air pressure. No anemometer or partial pressure measurement should be used for compensation of fan speed.</b></li> <li>3. Size should be <math>\geq 4</math> feet</li> <li>4. Sash Opening should be 8 inches</li> <li>5. System has Inflow velocity -100 -105fpm &amp; Down flow velocity -55-60 fpm</li> <li>6. System filter efficiency : 99.99% (0.3<math>\mu</math>m) HEPA Filter.</li> <li>7. Construction: interior and side wall should be Stainless steel.</li> <li>8. SS 304 Type single piece removable works surface for easy clean.</li> <li>9. <b>Display - Microprocessor controlled Interior mounted Line of sight large color LCD displays with filter life remaining bar graph status (Not on time basis) and other feature such as stopwatch, UV light and blower function. Display should be inside the cabinet for easy read.</b></li> <li>10. Electrical Sockets – At least two electrical socket Indian style.</li> <li>11. Motor/Blower –Single DC ECM motor for 70% recirculation and 30% Exhaust.</li> <li>12. System must have curved gril for forearm support.</li> <li>13. Base stand from the same manufacturer.</li> <li>14. Certification : - NSF 49 certified/Listed and proof should be enclosed with bid.</li> <li>15. System should have feature to keep blower idles when the sash is completely closed to save electricity.</li> <li>16. Validation on site must be offered includes minimum following test – Filter leak test, Inflow &amp; down flow, smoke test.</li> <li>17. <b>Warranty 1 year standard.</b></li> </ol> | 01 |
| 5. | <p><b>Supply &amp; installation of -20°C to -30°C Deep Freezer</b></p> <p><b><u>Technical Specifications:</u></b></p> <ol style="list-style-type: none"> <li>1. Capacity : 450 to 500 Litres.</li> <li>2. Must have two separate chambers (top and bottom) with separate and independent temperature control through their individual compressors.</li> <li>3. Two external doors (one for each top and bottom chamber) Both doors must be lockable independently.</li> <li>4. Temperature range : -20°C to -30°C</li> <li>5. PUF insulation</li> <li>6. At least 6 drawers per chamber for storage of boxes/samples</li> <li>7. Front mounted display/control panel located at eye level.</li> <li>8. Memory backup, temperature display.</li> <li>9. Four casters and two adjustable feet.</li> <li>10. Refrigerant must be CFC and BCFC free.</li> </ol>  | 01 |

11. Should have at least two access ports.
12. Alarms : Hi/Lo temp., power failure, remote alarm.
13. Power Consumption : should not exceed 650W
14. Electricity supply : 230V 50Hz
15. Power Plug Operation : Complaint with Indian Standard
16. A compatible voltage stabilizer must be provided free of cost
17. Warranty : Comprehensive warranty of atleast 5 years from the date of installation. Additional CAMC for next 5 years post warranty should be quoted separately.
18. The vendor must quote additional items if required to make the unit functional.
19. Provide evidence for the sale of unit to at least three reputed national institutes and the date of installation of unit.
20. Our institute can ask for the demonstration of the instrument at any time during the tender process.

**General Terms and Conditions:**

- 1) 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.
- 2) The party should take an undertaking that they will supply the components of the instrument for the next 10 years after its installation at the site. Softwares and any other accessories that are upgraded by the company within 2 years of installation should be provided free of cost.
- 3) Technical Support should be available within 24 Hr.
- 4) The quoted price should include installation, operator instructions and training onsite.
- 5) Installation will be considered complete only after successful demonstration of all the applications for which this system is being set up for.

**A) IMPORTANT NOTES:-**

- I. **The online updated Price BOQ is in INR format. If bidder want to quote other than INR please specify the quoted currency in the technical bid/part and fill the amount in same updated BOQ.**
- II. **The Online bids should be submitted directly by the original manufacturer/Service Provider, If quotation is submitted/filled by any representative/agent/dealer then they must upload a authority certificate from the principal company.**
- III. **All MSME/NSIC/Startup Units shall be considered as per provisions/rules prescribed by Govt of India.**
- IV. **Kindly do not quote end of life model. Spares should be available minimum period of 5 years for quoted models.**
- V. **Warranty: Minimum One year where not specified above.**
- VI. **The bidder can quote for single or multiple products as per choice given in tender notice but EMD value shall not change.**

**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 @ 10 % of the value of supply order 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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(Mukesh Kumar)  
Assistant Registrar (P&S)