



# 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 (1456)20/21-Pur

Dated: 01<sup>st</sup> April 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 Advanced Petrological Microscope and Camera suited for fluid inclusion studies** 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

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## **E-TENDER NOTICE**

Tender Ref.- IISERM(1456)20/21-Pur	Dated :- 01 <sup>st</sup> April 2021
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### **Critical Date Sections**

Sr.	Description	Date	Time
1.	Tender Publishing Date and time	01 <sup>st</sup> April 2021	6:00pm
2.	Tender Document download start Date & Time	01 <sup>st</sup> April 2021	6:00pm
3.	Bid Submission start Date & Time	01 <sup>st</sup> April 2021	6:00pm
4.	Bid Submission End date and Time	22 <sup>nd</sup> April 2021	Upto 11:00am
5.	Tender opening Date and Time	23 <sup>rd</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. 72,000/- 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 data-bbox="248 255 1345 331"><b><u>Supply and installation of Advanced Petrological Microscope and Camera suited for fluid inclusion studies</u></b></p> <p data-bbox="248 403 576 434"><b><u>Technical Specification</u></b></p> <ol style="list-style-type: none"> <li data-bbox="248 454 1345 696">1. <b>Research Digital Microscope</b> stand; Consists of stand base with motorized focus drive; Transmitted Light Axis with motorized aperture and field diaphragm; Motorized shutter; Automatic Constant Color Temperature/Intensity Control (CCIC) with keys for Automatic Illumination Manager (automatic controlling aperture, field diaphragm and light intensity) with Programmable function Keys. Smart Touch Display and Controlling Contrast management and Motorized Modules including Function keys for luminous intensity control, aperture and field diaphragm control. <b>Smart touch Panel Control</b> for all microscopy hard-ware functions like XY and Z movements</li> <li data-bbox="248 728 1345 790">2. <b>Dedicated Electronic Control Box</b> for housing all microscopic Controllers separately in order to make the microscope free from any vibration</li> <li data-bbox="248 822 1345 911">3 <b>Stand top consisting of microscope top</b> with electronically coded <b>motorized</b> 7-fold Centerable revolving nosepiece; including incident light axis with motorized aperture and field diaphragm discs; with motorized 5-fold turret for Smith reflector for dedicated reflected light polarization.</li> <li data-bbox="248 943 1345 1005">3. <b>Motorized Z drive (Focus) max with 10nm or less accuracy</b>, max. Load 4 kg, and speed: 5mm/sec with Auto focus Software</li> <li data-bbox="248 1037 1345 1158">4. <b>Automated Contrast Manager</b> and illumination Manager. Contrasting technique: automated functions for Reflected Light Brightfield Polarization and Transmitted Light Brightfield &amp; Polarization; Transmitted Light Filter system complete with Glass Blue &amp; Panchromatic Green Filter</li> <li data-bbox="248 1189 1134 1220">5. <b>Rotatable Analyzer and Polarizer</b> both for Reflected and Transmitted Light</li> <li data-bbox="248 1252 1345 1341">6. <b>Motorized XY-Scanning stage</b> for industrial applications with 3-plate stage, travel range 100x100mm, lead screw pitch 2mm, opening for inserts 160x116mm, resolution 0.01micron repeatability (&lt; 1micron minimum), and accuracy +/- 3 micron</li> <li data-bbox="248 1373 1345 1494">7. <b>Trinocular Tube with viewing angle 30°, field of view 25 mm</b>, Mechanical documentation tube, with fixed viewing angle 30°, field of view 25, variable beam splitters, 3 beam splitter positions: 100% eyepieces, 50% eyepieces: 50% documentation port 100% documentation port and 19 mm CIP (Camera Imaging Port/documentation port)</li> <li data-bbox="248 1525 1345 1588">8. <b>Universal Motorized Condenser</b> with long working distance head to adapt with heating and freezing stage.</li> <li data-bbox="248 1619 1345 1682">9. <b>Lamp housing with lamp mount</b> for LED Illumination for a minimum of 20000 Hours – for Reflected Light &amp; Transmitted Light microscopy</li> <li data-bbox="248 1713 1345 1986">10. <b>Optical Outfit:-</b> <ol style="list-style-type: none"> <li data-bbox="347 1771 1345 1834">a) Universal PLAN SEMI APOCHROMAT Objective set – 2.5x, 5x, 10x, 20x, 50x, (for RL &amp; TL),</li> <li data-bbox="347 1834 1345 1897">b) One long working distance objective 40x/50x with working distance equal or more than 3.3mm and with corrective collar for coverslip correction</li> <li data-bbox="347 1897 1345 1960">c) One Oil objective 20x/Oil with immersion oil (250ml) suitable for Reflected ore microscopy.</li> <li data-bbox="347 1960 1345 1986">d) Harmonic Corrected <b>Eyepiece Pair 10x/25 (25 mm. field of view)</b>, adjustable</li> </ol> </li> <li data-bbox="248 2045 1345 2069">11. <b>High-resolution USB Scientific digital camera system</b> with 12.0 M pixels resolution, Pixels</li> </ol>	01

size – 1.5 x 1.5micron, 1/1.2” CMOS Sensor, Colour Filter – RGB (Bayer).Camera should be supplied with basic Imaging software for acquisition, annotation and basic measurement with comparison of images in a single window

**12. Imaging Software, PC & Monitor**

- (a) Software for Image Stitching for Large Area Scanning through tile scan or spiral Scan should be quoted separately
- (b) Software for different kind of live and interactive measurements like area, perimeter, curved length, angle with automatic Image analysis software for different phase analysis should also be quoted separately
- (c) Software should be capable of 3D image building for images at different focal plane and making of 3D colour depth map of the image for better visualization and understanding and then measurement of different 3D parameters at a time with multistep stitching of large area of samples.
- (d) Desktop PC for - Image Display and Acquisition System based on Core i7 Processor, 1 TB Hard Disk, 16GB RAM & 2 GB External Graphics Card; 24” UHD 4K TV monitor, Windows 10 (licensed version); & 1 kva UPS.

**13. Microscope, digital camera & software must be from single manufacture for better integration and future upgradation.**

**14. Warranty: One year Comprehensive warranty from the date of installation**

**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.
12. 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.
13. 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>
14. Disputes, if any, shall be subject to jurisdiction in the court of Mohali only.

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Assistant Registrar (P&S)

## **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 the 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.*