



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

CPPP/Institute Website

IISERM (1337)19/20Pur

Dated: 31st January 2020

NOTICE INVITING E-TENDER

Online tenders are invited on behalf of Director, IISER Mohali in **TWO BID SYSTEM** for the **Supply and installation of Trinocular Polarizing Research Microscope** 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.

-sd-

(Mukesh Kumar)
Assistant Registrar (P&S)



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E-TENDER NOTICE

Tender Ref.- IISERM(1337)19/20Pur

Dated :- 31st January 2020

Critical Date Sections

Sr.	Description	Date	Time
1.	Tender Publishing Date and time	31 st January 2020	6:00pm
2.	Tender Document download start Date & Time	31 st January 2020	6:00pm
3.	Bid Submission start Date & Time	31 st January 2020	6:00pm
4.	Bid Submission End date and Time	20 th February 2020	Upto 11:00am
5.	Tender opening Date and Time	21 st February 2020	At 11:30am

Online tenders are invited on behalf of Director, IISER Mohali in **TWO BID SYSTEM** {Technical and commercial separately} for the 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. Tender fee in shape of DD/Banker Cheque of Rs 590/- (Non-refundable) and **EMD of Rs.20,000/-** should be submitted by DD /Banker Cheque/FDR/ Bank Guarantee in favour of the Registrar, IISER Mohali payable at Mohali. 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 summerly.

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 Details: -

Sr.	Description	Qty. (in units)
1.	<p>Supply & installation of <u>Trinocular Polarizing Research Microscope</u></p> <p><u>Technical Specifications:</u></p> <p>1) Research Polarization Microscope stand for inbuilt transmitted light Illumination LED/12v100W Halogen; with adjustable height stop and torque of focusing; Mains cable- inbuilt stabilized power supply 90-250V,50/60Hz</p> <p>2) Revolving nosepiece 5-fold or more, for pol, centerable 2-step focus drive_ coarse/fine</p> <p>Infinity Corrected Optical System Lamp housing with lamp mount for LED/Halogen Illumination, for transmitted light</p> <p>3) Focusable Bertrand Lens which should be detachable from the optical path; Analyzer-180° rotatable</p> <p>4) Pol rotating stage, interchangeable, with clamp, 2 verniers 0.1°. with click- stop at every 45° rotation, Trinocular Pol phototube, with fixed photo tube, lens /1x, with 30°</p> <p>5) Viewing angle, inter- pupillary adjustment 55-75 mm, with constant focus and automatic adjustment of right eyepiece/graticules. Beam splitter pos. vis/ phot: 0/50/100 fixed X-Y Mechanical stage for POL Stage, condenser with NA 0.9</p> <p>6) Lambda-plate, Quarter Lambda plate & Quartz plate for compensator slot polarizer for transmitted light 360 degree, swing out</p> <p>7) Eyepiece pair 10x/22 or better (One with reticule for pol)- focusable & adjustable for spectacle wearer</p> <p>8) PLAN Achromatic Objectives 2.5x, 10x, 20x, 40x, 100x (Oil) objective should be pol engraved</p> <p>9) C- mount adapter</p> <p>10) Camera</p> <p>a) Pixels 20MP (Color)</p> <p>b) Sensor Size 1" (13.06mmX8.76mm)</p> <p>c) Pixel Size 2.4µmx2.4µm</p> <p>d) Resolution/Frame Rate 5440x3648:15FPS 2736x1824:50FPS 1824x1216:60FPS Any Area (ROI)</p> <p>e) Exposure Time 0.1ms~15s</p> <p>f) Sensitivity 462mv with 1/30s 0.21mv with 1/30s</p> <p>g) Dynamic Range 72dB</p> <p>h) SN Ratio 36.5dB</p> <p>i) Binning 1x1,2x2,3x3,4x4</p> <p>j) Spectral Range(nm) 380 nm ~ 720nm (with infrared filter)</p> <p>k) Image Data Format 12 bit RAW Format (12x3 =36 bit RGB)</p> <p>l) Quantum Efficiency 60%</p>	03

m) **Data Interface** USB3.0 (B Type)

n) **Compatible** WIN 7 / 8 / 10 I MAC El Capitan I LINUX Ubuntu 14.04 LTS

11) Software

Continuous automatic exposure control; Automatic/manual white balance; Multi-focus (Z-Stacking); Multi-fluorescence/channel mode mixing/unmixing; Measurement capabilities; Image/text annotations; Image processing and enhancement; Image combine; Image comparison; Batch conversion; Microscope Control; Professional Segmentation & Count function; Image Stitching; Management visualization and Printing of metadata and image; Saving formats (image) JPEG, TIFF, PNG, BMP etc.

Saving formats (video) AVI, MP4, (H264), MP4 (H265), WMV etc

Time-lapse; Macro manager; High dynamic range viewing; Optical configuration; Layout configuration

Shading calibrations; Multi-camera operation; Merge, crop and image arithmetic; Multipoint experiments/Capture; Individual user profiles; Image Overlapping; Line profile/histogram; Intensity Measurement & Profile; Image analysis; Manual counting, spatial measurements, length, width, area, perimeter, microbar, vector layer, etc.

12) Computer System

I5 Processor, 4GB RAM, 500GB HDD, 18.5 “ color Monitor, Keyboard, Mouse, UPS and other accessories

13) Comprehensive Warranty: Minimum 3 years should be provided.

14) Certification: European Certificate, ISO9001, USFDA, UL, TUV (Any Three)

15) Demonstration: The participated bidders will also be invited for demonstration purpose after the opening of tender.

NB:-

- 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. **Please bifurcate the price on shipping terms i.e. Ex-works -> FCA/FOB -> CIP/CIF in price BOQ and specify the same in technical bid without price.**
- 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. **Kindly do not quote end of life model.**

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.

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 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)