



# भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान मोहाली

मानव संसाधन विकास 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 Human Resource Development, Govt. of India)

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

PAN No. - AAAAI1781K TAN NO. PTLI10692D

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

*CPPP/Institute Website*

IISERM(913)17/18Pur

Dated- 05<sup>th</sup> December 2017

### **E-TENDER NOTICE**

Online tenders are invited on behalf of Director, IISER Mohali in **TWO BID SYSTEM** {Technical and Commercial} for the supply & installation of **Trinocular Upright Advanced Research** as per technical specification given below and BOQ list 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 (S&P)



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### E-TENDER NOTICE

Tender Ref.- IISERM(913)17/18 Pur	Dated :- 05 <sup>th</sup> December 2017.
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#### Critical Date Sections

Sr.	Description	Date	Time
1.	Tender Publishing Date and time	05 <sup>th</sup> December 2017	6:00pm
2.	Tender Document download start Date & Time	05 <sup>th</sup> December 2017	6:00pm
3.	Bid Submission start Date & Time	05 <sup>th</sup> December 2017	6:00pm
4.	Bid Submission End date and Time	26 <sup>th</sup> December 2017	Upto 11:00am
5.	Tender opening Date and Time	27 <sup>th</sup> December 2017	At 11.30 am

Online tenders are invited on behalf of Director, IISER Mohali in **TWO BID SYSTEM** {Technical and Commercial separately} 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 500/- (Non-refundable) and EMD of Rs. 40,000/- 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 summarily.

#### **The Original EMD and tender fee should be sent to:**

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

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

#### **Item Details:-**

Sr.	Details of Specifications	Qty.
01.	<p data-bbox="331 147 1347 219"><b>TRINOCULAR UPRIGHT ADVANCED RESEARCH MICROSCOPE WITH OPTICAL SYSTEM FOR BRIGHT FIELD, PHASE CONTRAST, DIC AND LED FLUORESCENCE MICROSCOPY AND DIGITAL IMAGING FACILITY</b></p> <p data-bbox="331 226 624 253"><b><u>Technical Specification :-</u></b></p> <p data-bbox="379 259 659 286"><b>01. <u>Microscope Stand:</u></b> Ergonomic design microscope stand for trinocular upright research microscope capable of Bright field, Phase contrast, DIC and Fluorescence observations (with LED illumination) with coarse and fine focusing knobs on either side of the microscope.</p> <p data-bbox="379 383 564 409"><b>02. <u>Nosepiece:</u></b> 6 position nosepiece to accommodate six objectives at one point of time with minimal 5 slots for individual DIC sliders.</p> <p data-bbox="379 477 571 504"><b>03. <u>Condenser:</u></b> Long working distance condenser with 0.90 NA compatible for Bright field, Phase, DIC and fluorescence techniques with working distance of 50 mm or higher.</p> <p data-bbox="379 571 560 598"><b>04. <u>Eyepieces:</u></b> Paired wide-field Anti-fungus eyepieces (10X) with FOV ≥23mm, focusable &amp; adjustable diopter setting +/- 5</p> <p data-bbox="379 665 820 692"><b>05. <u>Transmitted Light Illumination:</u></b> Transmitted light illumination by 12V/100W Halogen.</p> <p data-bbox="379 725 564 752"><b>06. <u>Objectives:</u></b> Infinity corrected high contrast objectives suitable for Phase contrast, DIC and fluorescence with magnifications 5x/0.12NA, 10x/0.25NA, 20x/0.45NA, plan neofluar 40x/0.75NA oil, plan neofluar 63x/1.25NA oil and plan neofluar 100x/1.3NA oil. (If oil immersion, suitable oil up to 50ml to be included).</p> <p data-bbox="331 898 1347 958">Necessary DIC attachments to be included and it should work with both plastic and glass holders.</p> <p data-bbox="379 965 647 992"><b>07. <u>Mechanical Stage:</u></b> It should have a mechanical specimen stage with stage size of at least 210 X 215 mm with object guide and universal mounting frame.</p> <p data-bbox="331 1070 1347 1131">Universal specimen stage holder for containers like petridishes, glass slides, multiwell plates</p> <p data-bbox="379 1137 751 1164"><b>08. <u>Fluorescence Attachment:</u></b> It should have a 6-position rotatable reflector turret (One should be able to Mount/change / remove filter without using any Allen key) for mounting fluorescence/epi-fluorescence filter blocks.</p> <p data-bbox="331 1272 1158 1299">Fluorescence illumination with LED light source with &gt;10,000 hours life.</p> <p data-bbox="331 1323 1347 1384">Individual LEDs for (DAPI/Hoechst), (FITC/ GFP), (TRITC/Rhodamine) and Cy5 should be offered with compatible filters</p> <p data-bbox="379 1391 619 1417"><b>09. <u>Digital Camera:</u></b> Digital Peltier Cooled Monochrome CCD Camera system with C-mount having the following features: (a) 2.8 megapixel Resolution; (b) 2/3" CCD Chip; (c) quantum efficiency ≥ 75%; (d) and Pixel size of at least 4.54 μm X 4.54 μm.</p> <p data-bbox="331 1619 1347 1680">The camera should be capable of capturing &gt;35 frames per second at full resolution live cell imaging The integration time of camera should be 01 ms to 60 sec. Signal / Noise Ratio should be 1: 2200 or higher It should have a fire wire interface for faster data transfer from Camera to Computer. Easy to replace.</p> <p data-bbox="379 1805 547 1832"><b>10. <u>Software:</u></b> Advanced Image acquisition and processing software with interactive measurement of intensity profiles, length, area, circle, angle, perimeter and counting of events; contrast management, white balance &amp; image processing, linear measurement, motorized multichannel acquisition, video recording, Fluorescence Time lapse imaging, image splitter display for synchronous or independent comparison of upto 4 images; adjustment of display parameters without manipulation of pixel intensity values should</p>	01

be quoted. Image saving as TIFF, PNG or JPEG etc

**11. Computer:**

Branded Desktop computer compatible with the Camera and Software with following specs should be quoted along with the system: i7 Quad core Processor 3.6 GHz, 8 GB DDR4 SD RAM, 1 TB HDD, DVD Combo Drive, 4 USB Ports (2 ports should be in front), Fire-wire port for attaching Camera, Original Windows 8 or higher version OS, at least 20 inch TFT monitor, keyboard, mouse along with UPS.

**Dust covers** should be provided

- i. **Microscope, Camera, Light sources, Software and all other related components should be from same manufacturer for better integration. All cables, power cords, adapters required for operation should be included.**
- ii. **Point wise technical compliance statement to be attached. (Mentioning the page No of quotation and Catalogue)**

**NB:-** 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.

**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.
- 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 EXCISE AND CUSTOM DUTY under notification no- 51/96 – CUSTOM DATED 23/7/1996 AND DSIR REGISTRATION NO TU/V/RG/-CDE(1062)/2016 DT. 30/08/2016 / EXCISE NOTIFICATION NO. 10/97- CENTRAL EXCISE DT. 01.03.1997.
6. Tax: This Institute is not exempted from the payment of GST. The current rate (i.e. percentage of Sales Tax should be clearly indicated included or excluded) wherever chargeable. Please also provide/upload the copy of PAN card, GST number duly self-attested.
7. The delivery period should be specifically stated. Earlier delivery will be preferred.
8. 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.
9. 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.
10. 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>
11. Disputes, if any, shall be subject to jurisdiction in the court of Mohali only.

–sd/-  
(Mukesh Kumar)  
Assistant Registrar (S&P)