



# भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान मोहाली

मानव संसाधन विकास मंत्रालय, भारत सरकार द्वारा स्थापित

सेक्टर 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(837)17/18Pur/SP-II/02

Dated- 30<sup>th</sup> November 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 **High Content Screening Microscope with Ultra-sensitive Confocal Imaging and Analysis Platform** 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)



# भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान मोहाली

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सैक्टर 81, नॉलेज सिटी, प.ओ. मनोली, एस.ए.एस. नगर, मोहाली, पंजाब 140306

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### E-TENDER NOTICE

Tender Ref.- IISERM(837)17/18 Pur/SP-II/02

Dated :- 30<sup>th</sup> November 2017

#### Critical Date Sections

Sr.	Description	Date	Time
1.	Tender Publishing Date and time	30 <sup>th</sup> November 2017	6:00pm
2.	Tender Document download start Date & Time	30 <sup>th</sup> November 2017	6:00pm
3.	Bid Submission start Date & Time	30 <sup>th</sup> November 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. 2,00,000/- 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 1302 208"><b><u>High Content Screening Microscope with Ultra-sensitive Confocal Imaging and Analysis Platform</u></b></p> <p data-bbox="331 215 1337 353">An advanced, fully automated high-content confocal imaging microscope system with the following system configuration should be offered. The vendor should supply the entire system with all necessary accessories and complete system integration of hardware and software components for ideal integration and functionality. The vendor should be responsible for the complete system installation, training, functioning, and maintenance.</p> <p data-bbox="331 360 571 387"><b><u>Required specifications:</u></b></p> <ol style="list-style-type: none"> <li data-bbox="331 394 1326 443">1) The system should be table top type high-content confocal imaging platform, and with no need for dark room for imaging.</li> <li data-bbox="331 450 1347 499">2) Should have confocal and wide field and imaging. In addition, it should have either phase contrast or brightfield imaging.</li> <li data-bbox="331 506 1315 555">3) Confocal fluorescence images scanned by micro-lens enhanced dual Nipkow disk or by high speed dual spinning disks with multiple pin hole options on different disks.</li> <li data-bbox="331 562 715 589">4) Automated high- precision XY Stage.</li> <li data-bbox="331 595 1086 622">5) Equipped with electric Z motor with designated resolution of 0.1um or less</li> <li data-bbox="331 629 1342 678">6) The system should be future upgradable to live cell imaging with low photo bleaching and low photo toxicity.</li> <li data-bbox="331 685 1305 734">7) High resolution CMOS sensor with large field of view of at least 2208 x 2208 pixel array, and with high quantum efficacy (<math>\geq 60\%</math>)</li> <li data-bbox="331 741 1102 768">8) Laser-based autofocus with advanced software for consistent scan times.</li> <li data-bbox="331 775 1310 824">9) Should be provided objective lenses 10x, 20x, and 40x, and there should be options for 2x and 4x objectives.</li> <li data-bbox="331 831 804 857">10) Equipped with LED transmitted illumination.</li> <li data-bbox="331 864 884 891">11) Illumination by either solid state LED or 3 laser lines</li> <li data-bbox="331 898 1302 947">12) Should come with filter wheel with at least 5 or more color dichroic and emission filter to allow multiple fluorophores.</li> <li data-bbox="331 954 1321 1003">13) LED or Lasers with appropriate filter sets should minimally be able to image samples stained with DAPI, Alexa Fluor 488, and Alexa Fluor 568.</li> <li data-bbox="331 1010 1342 1059">14) Plate formats: Compatible with SBS standard microplates (6, 24, 96, 384 &amp; 1536 well) and slideglass. Slide glass holder/adaptor, if any, should be quoted.</li> <li data-bbox="331 1066 1134 1093">15) Equipment should be able to take images at at least 16- 20 frames per second.</li> <li data-bbox="331 1099 1337 1171">16) Portability of image data portability so results can be imported into third party software for documentation. Software should be capable of simultaneous processing of image and data acquisition allowing for real time analysis during acquisition.</li> <li data-bbox="331 1178 1337 1350">17) Image analysis software should have pre-designed assays for common assays for imaging and analysis like receptor internalization assays image segmentation, background correction, spot detection, colocalization, multi parameter cytotoxicity, neuronal profiling, cell cycle, tube formation , cell motility measurements, toxicity in small organisms or organoids, dot measurements in the nucleus and cytoplasm ROI analysis tools etc. for ease of setting up assay protocols along with ability to build custom-designed assays for image acquisition and analysis setup.</li> <li data-bbox="331 1357 991 1384">18) Should have in-built high-precision automated scanning system</li> <li data-bbox="331 1391 1342 1462">19) Work station with high-speed processor, 64-bit computing capacity, 32/64-GB RAM, 2-4TB storage space with possibility for expansion, key board, mouse and at least 24-27" high-resolution widescreen monitor.</li> <li data-bbox="331 1469 1305 1518">20) The workstation should include control software to control equipment and analysis software to analyze the images.</li> <li data-bbox="331 1525 1002 1552">21) Automated acquisition of images and their quantitative analysis.</li> <li data-bbox="331 1559 1043 1585">22) Should have imaging and analysis simultaneously (on the fly analysis)</li> <li data-bbox="331 1592 1326 1619">23) Analysis software should offer quantitative information and display a graph of plot and histogram</li> <li data-bbox="331 1626 1337 1675">24) A high-capacity image analysis laptop with macOS Sierra operating system, 13.3" retina display, 2.9 GHz processor, 8GB RAM, and 512GB storage should be provided.</li> <li data-bbox="331 1682 1155 1709">25) Bidder should specify the after sales service and application support capabilities.</li> <li data-bbox="331 1715 1321 1765">26) Bidder should provide all pre-installation requirements to have the system installed in ideal room conditions, and provide all pre-installation checklists.</li> <li data-bbox="331 1771 1267 1798">27) Bidder should also provide a detailed list of users of the quoted system with contact details.</li> <li data-bbox="331 1805 1326 1854">28) A 2KVA online UPS with minimum one hour backup for the entire system should be provided. The UPS should have minimum 5 years warranty including batteries.</li> <li data-bbox="331 1861 1235 1910">29) Point-wise technical compliance statement needs to be submitted with the technical bid mentioning the page no. of Catalogue.</li> <li data-bbox="331 1917 1050 1944">30) The entire system should have a warranty period of minimum 2 years</li> <li data-bbox="331 1951 1114 1977">31) Bidder should quote for AMC for 5 years after the expiry of warranty period.</li> <li data-bbox="331 1984 1267 2033">32) Bidder should quote the model numbers and part numbers of the system and its associated components.</li> </ol>	01

**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)