



# 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 (1245)19/20Pur

Dated: 16<sup>th</sup> August 2019

## **NOTICE INVITING E-TENDER**

Online tenders are invited on behalf of Director, IISER Mohali in **TWO BID SYSTEM** for the **Supply and installation of Probe Sonicator along with accessories** as per technical specification and details given below and BOQ list from the original printing houses/firms 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(1245)19/20Pur	Dated :- 16 <sup>th</sup> August 2019
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### **Critical Date Sections**

Sr.	Description	Date	Time
1.	Tender Publishing Date and time	16 <sup>th</sup> August 2019	6:00pm
2.	Tender Document download start Date & Time	16 <sup>th</sup> August 2019	6:00pm
3.	Bid Submission start Date & Time	16 <sup>th</sup> August 2019	6:00pm
4.	Bid Submission End date and Time	05 <sup>th</sup> Sept 2019	Upto 11:00am
5.	Tender opening Date and Time	06 <sup>th</sup> Sept 2019	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](http://www.iisermohali.ac.in). Tender fee in shape of DD/Banker Cheque of Rs 590/- (Non-refundable) and EMD of Rs 12,000/- 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 (S&P)  
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 data-bbox="177 248 1031 282"><b>Supply and installation of Probe Sonicator with Accessories</b></p> <p data-bbox="177 322 483 356"><b><u>Technical Specifications</u></b></p> <ol data-bbox="177 396 1278 2036" style="list-style-type: none"><li>1. The system should be a probe sonicator or a probe ultrasonic processor or a probe ultrasonic homogenizer.</li><li>2. The power delivered by the system should be at least 500 W.</li><li>3. The operating frequency should be 5-30 kHz or more as per sample size requirement.</li><li>4. The system should be able to accommodate at least ½ inch and tapered 1/8 inch probes.</li><li>5. The system should have the capacity to process volumes in the range of 1 ml (or lower) to 10 l (or larger). It is understood that for the higher volume range, an appropriate continuous flow accessory might be necessary. However, the system should be able to process at least 250 ml (when the 1/2 inch probe is used) without the continuous flow accessory.</li><li>6. Documents should be furnished to prove that the continuous flow device mentioned in specification 5 is manufactured by the manufacturer, is compatible with the system and if desired, can be added to the system at a later date.</li><li>7. The system should allow the user to adjust the energy output.</li><li>8. The probe amplitude should be adjustable to at least 20%-100% of the maximum for the 1/2 inch probe and at least 20% to 40% of the maximum for the 1/8 inch probe.</li><li>9. The system should be able to maintain a constant amplitude of the probe throughout a sonication run by varying the output power.</li><li>10. The system should be under microprocessor control with independent on/off pulser for on/off cycles in the time range of 1s (or less) to 55s (or more).</li><li>11. The system should have an in-built timer operable in a time range of 1s (or lower) to 10 hours (or longer).</li><li>12. The system should allow adjustment of the following parameters for each run.<ol data-bbox="220 1285 483 1391" style="list-style-type: none"><li>a. Probe amplitude</li><li>b. Pulse duration</li><li>c. Duration of the run</li></ol></li><li>13. The system should allow sonication runs based on user-defined programs allowing adjustment of the parameters mentioned in specification 11 and the system should have the capacity to store at least 10 such user-defined programs.</li><li>14. The system should have an in-built real time digital display for (a) displaying the different parameters selected during the setup of user-defined programs mentioned in specification 12 and (b) displaying the sonication parameters including probe amplitude percentage, pulser setting and time elapsed during a sonication run.</li><li>15. The system should have an in-built sealed digital keypad for selecting the sonication parameters.</li><li>16. The sound level of the system should not be greater than 75 dB.</li><li>17. The system should conform to the standards set by the Bureau of Indian Standards (BIS) and the vendor should provide documents to prove the same.</li><li>18. The system should be supplied with the following compatible (both with each other, where applicable and with the system) accessories:<ol data-bbox="220 1944 639 2036" style="list-style-type: none"><li>a. one probe horn</li><li>b. two 1/2 inch probes</li><li>c. one 1/8 inch tapered microprobe</li></ol></li></ol>	01

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|  | <p>d. one ultrasonic processor sound-abating enclosure<br/>e. stands, clamps and sample pedestal (as required)</p> <p>19. The vendor/manufacturee should have at least 10 installations of the system (or similar systems) in Chandigarh area and the vendor/manufacturee should furnish documents to support this claim.</p> <p>20. The system should not be an end of life model.</p> <p>21. The system should come with at least three years of warranty.</p> <p>22. Compliance sheet with yes/no is required for tender specifications.</p> |  |
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**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 specify the weight of the product including weight of packing for assessment of Freight charges if quoted in foreign currency.**

**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 EXCISE AND 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 minimum warranty period will be one year where not specified in along with Technical specification 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.

–sd-

(Mukesh Kumar)  
Assistant Registrar (P&S)