



# 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  
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CPPP/Institute Website

IISER M(1643-2)23/24-Pur-GTE

Dated: 01<sup>st</sup> March 2024

## वैश्विक ई-निविदा पूछताछ / GLOBAL E-TENDER ENQUIRY

सहायक उपकरण के साथ बेंचटॉप ईपीआर स्पेक्ट्रोमीटर की आपूर्ति, स्थापना और कमीशनिंग के लिए दो बोली प्रणाली में निदेशक, आईआईएसईआर मोहाली की ओर से ऑनलाइन निविदाएं आमंत्रित की जाती हैं। तकनीकी विनिर्देश और नीचे दिए गए विवरण के अनुसार और सीपीपीपी पर मूल निर्माता/आपूर्तिकर्ता से बीओक्यू सूची अर्थात् <https://eprocure.gov.in/eprocure/app> निविदा दस्तावेज ई-प्रोक्योरमेंट पोर्टल की वेबसाइट <https://eprocure.gov.in/eprocure/app> और संस्थान की वेबसाइट [www.iisermohali.ac.in](http://www.iisermohali.ac.in) से डाउनलोड किए जा सकते हैं।

Online tenders are invited on behalf of the Director, IISER Mohali in **TWO BID SYSTEM** for the **Supply, Installation and Commissioning of Benchtop EPR Spectrometer with accessories** 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).

Sd/-

सहायक कुलसचिव (क्रय तथा भंडार)  
Assistant Registrar (Stores & Purchase)



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## वैश्विक ई-निविदा पृष्ठताछ / GLOBAL E-TENDER ENQUIRY

IISER M(1643-2)23/24-Pur-GTE

Dated : 01<sup>st</sup> March 2024

### Critical Date Sections

Sr.	Description	Date	Time
1.	Tender Publishing Date and time	01 <sup>st</sup> March 2024	6:00pm
2.	Tender Document download start Date & Time	01 <sup>st</sup> March 2024	6:00pm
3.	Bid Submission start Date & Time	01 <sup>st</sup> March 2024	6:00pm
4.	Bid Submission End date and Time	28 <sup>th</sup> March 2024	Upto 2:30pm
5.	Tender opening Date and Time	29 <sup>th</sup> March 2024	At 3:30pm

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). Online Tender fee of Rs 590/- (Non-refundable) should be submitted by bidder in favour of IISER Mohali through Online mode in Institute Account (Canara Bank Saving Account Number 4790101001912 and IFSC Code CNRB0004790). However, scanned copy of the Tender fee/UTR copy should be uploaded on website along with technical bid. **Micro & MSME/NSIC and Firms registered and the firms registered with concerned Ministries/ Departments, the bidders are exempted from payment of Tender Fee as per GOI notifications/GFR (2017) and Ministry of Finance OM No. F.9/4/2020-PPD dated 12 November 2020.**

**Bidders will also be required to execute bond/undertaking Bid Security Declaration Form attached as ANNEXURE-I for availing exemption to submit Tender Fee.**

## **ITEM WISE DETAILS**

<b>S. No.</b>	<b>Description</b>	<b>Qty. (in units)</b>
<b>1.</b>	<b>Supply, Installation and Commissioning of Benchtop EPR Spectrometer with accessories</b> <b><u>Tender Technical Specification as per Annexure-II</u></b>	<b>01</b>

### **A) IMPORTANT NOTES:-**

- 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 mentioning the price.**
- III. If quoted in foreign currency, kindly clearly specify the terms of delivery/country of origin/bank details with swift code/weight/size/dimension of shipment.**
- IV. Restriction under Rule 144 (xi) of the General Financial Rules (GFRs), 2017 under sub clause 3, in terms of DOE, MoF No. F.18/37/2020-PPD dated: 8<sup>th</sup> February, 2021:**
  - (i) A bidder is permitted to procure raw material, components, sub-assemblies etc. from the vendors from countries which shares a land border with India. Such vendors will not be required to be registered with the Competent Authority, as it is not regarded as "sub-contracting".**
  - (ii) However, in case a bidder has proposed to supply finished goods procured directly/indirectly from the vendors from the countries sharing land border with India, such vendor will be required to be registered with the Competent Authority. Kindly submit the declaration in Annexure III.**
- V. The Online bids should be submitted directly by the original manufacturer/supplier/OEM, the OEM is required to furnish certificate to this effect. If quotation is submitted/filled by any representative/ agent/dealer then they must upload a Authorization Authority certificate from the principal company/OEM.**
- VI. All MSME/NSIC/Startup Units shall be considered as per provisions/rules prescribed by Govt of India.**
- VII. Auto-extension of last date for E-Tenders has been activated by CPP Portal which has participation 2 bids or less.**
- VIII. Bidders are required to furnish the weight, dimensions/volumetric etc. of the quoted material in technical bid and also Country of Origin.**

### **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. Also upload **Annexure I** (Bid Securing Declaration Form) if registered as **Micro & MSME/NSIC and Firms registered and the firms registered with concerned Ministries/ Departments.** Late tenders will not be accepted.**
- II. The online bids shall be opened at the office of the Assistant Registrar (S&P), 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/NIT duly filled in and stamped by the authorized signatory on each and every page along with all necessary Annexures as per NIT along with checklist and Annexures. Tender not submitted/uploaded in the prescribed form and as per the tender terms and conditions shall be liable for rejection.**

**Check List of Documents (signed & stamped) to be provided and uploaded by the bidder:**

S. No.	Particulars of Documents	Yes/No	Page No. (As per technical bid)
1.	<b>Tender Notice Document Copy of NIT</b> (Signed and stamp on all pages)		
2.	<b>Technical Compliance Sheet- as per Annexure – II</b> (Page Nos. to be indicated in the technical bid along with product catalogue and brochure) as per, Instructions (C) Clause No. 9.		
3.	<b>Authorization/MAF Certificate</b> from OEM (principle)/ Manufacturer certificate		
4.	<b>Tender Fee</b> , if applicable or Exemption Certificate (NSIC/MSME Certificate)		
5.	<b>At least four to five (4-5) such systems installed in reputed Institutions/Research Laboratories (IIT, IISER, NIT, CSIR Lab or any other institutes) in India in last 6-7 years and purchase order and installation report copies</b> {as per technical specs (1) under Important notes- Annexure-II}.		
6.	Undertaking Bid Security Declaration Form – <b>Annexure-I</b> (on letter head duly signed and sealed)		
7.	<b>Land border sharing declaration in Annexure-III.</b>		
8.	<b>Attached Copy of PAN</b>		
9.	<b>Attached Copy of GST</b>		

*\* If checklist is not provided by the bidder alongwith ABOVE DOCUMENTS the bid shall be summarily rejected.*

- 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. 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 in the BOQ. Institute has policy not to make any advance payments towards any purchase. However, Letter of credit (FLC) can be opened upto maximum of 90% for the shipment value, in case of Global Tender Enquiry and balance 10% through wire transfer subject to fulfilling the conditions of purchase order (on INCO-TERMS CIP/CIF etc.).
5. **Custom Duty, applicable as per GOI Norms.**
6. **GST, applicable as per GOI Norms.**
7. **Bidder/s quoting in currency other than Indian Rupee (INR) should explicitly mention the currency (USD, Euro, JPY, CHF and Pound-Sterling etc.) in which tender quoted wherever applicable in Technical Bid along the tender documents.**
8. The delivery period should be specifically stated. Earlier delivery will be preferred.
9. **The firms are requested to provide/upload detailed description and specifications together with the detailed drawings, printed leaflets & literature of the article quoted and also should enclose Technical Compliance Sheet.** The name of the manufactures and country of manufacture should also invariably be stated. In the absence of these particulars and documents, the quotation is liable for rejection. Tenders not accompanied by detailed information as required, are liable to be rejected.
10. If any information furnished by the bidder is, at any stage found to be incorrect, false or fabricated, the Institute/purchaser shall have the absolute right to forfeit E.M.D. and security deposits, in addition to cancellation of contract, forfeiting the warranty/performance Guarantees and other action in accordance with law, such as black-listing, risk & cost etc.
11. Validity of offer: 180 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/Performance Bank Guarantee @5% to 10% of the value of supply order, in terms of *Ministry of Finance, DoE, GOI, OM. No. F.9/42020-PPD dated 12-11-2020, extension of vide circular no. F.9/4/2020-PPD dated: 30<sup>th</sup> December 2021 and No. F.1/2/2023-PPD Dated: 03.04.2023* 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, if any 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.

-Sd-

सहायक कुलसचिव (क्रय तथा भंडार)  
Assistant Registrar (Stores & Purchase)

**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.*

## ANNEXURE-II

### Technical Specifications of Benchtop EPR spectrometer with accessories:

**External PC controlled Benchtop EPR Spectrometer with essential software should be able to study the free radicals, transition metal complexes etc. in liquid as well as solid samples at room and liquid nitrogen temperatures.**

#### Requirements

1. Should be able to study the free radicals, transition metal complexes Cu(II), Mn(II), Fe(III) complexes etc. in liquid as well as solid samples at room and liquid nitrogen temperatures (77K) and all accessories needed for it like
  - i) Glassware starter kit consisting of holders, quartz sample tubes etc.
  - ii) EPR tubes, Capillary measurement Kit consisting of capillary tubes, capillary guidance tube, holder, sealing kit.
2. Minimum concentration required for solution measurement of organic free radicals and transition metal complexes (Cu(II), Mn(II), Fe(III) complexes etc.) should be specified for both room temperature and 77K measurement.
3. Operating frequency: X-band with range: 9.2 to 9.6 GHz
4. Microwave power: 1 $\mu$ W – 100 mW or more
5. Sensitivity: 5 x 10<sup>13</sup> spins/T or better
6. S/N ratio: 600:1 or better
7. Field Modulation: 1 uT - 1 mT
8. Field sweep range: 0 to 625mT or more
9. Field homogeneity: +/- 5uT within sample region
10. Field stability: 1.0 uT/h or better
11. Modulation frequency: 10 kHz and 100 kHz
12. Magnetic field range: 0 to 650 mT or higher
13. Sweep resolution (field & time): >125,000 points
14. Resonator: Rectangular TE 102
15. Electro magnet: Air cooled with magnetic field control.
16. Cold Finger Dewar with holder for measurement at liquid nitrogen temperature. Two quantity should be quoted for cold finger dewar.

17. Software for data processing/evaluation, Computer controlled operation of spectrometer, automatic tuning, integration & differentiation of spectra, data management/report generation, print-out etc.
18. EPR Simulation software should also be provided.
19. Standard reference samples weak & strong pitch, DPPH or any other free radicals and metal salt.
20. Suitable i5 or i7 PC and laserjet printer
21. Suitable UPS with 30 min or more backup to the instrument as well as PC
22. **Training:** Installation, Familiarization & Training should be given at our lab with no additional charge.
23. **Warranty:** One year warranty on complete system including Benchtop EPR, Computer, Printer, & UPS.

**The above Benchtop EPR should be compatible to following optional accessories which should be quoted separately with complete technical details**

- i. Temperature Controller (complete package with all accessories), compatible to above benchtop EPR for variable temperature measurement (77K to 350K)
- ii. Spectro-electrochemical cell set up, compatible to above benchtop EPR: Measurement of EPR during bulk electrolysis in solution state at room temperature as well as 77K
- iii. Flat Cell Cuvette with holder for aqueous sample
- iv. Temperature controller for biological samples
- v. Optical Stimulation unit: Integrated light source and external Irradiation unit

**Important Note:**

1. As reference, there must be at least four to five (4-5) such systems installed in reputed Institutions/Research Laboratories (IIT, IISER, NIT, CSIR Lab or any other institutes) in India in last 6-7 years and purchase order and installation report copies should be submitted
2. Feedback from existing users of the supplier should be provided.
3. All the requirements laid down under the above specifications must carefully read and understood before claiming your instrument as “complied”.



4. Please provide compliance statement sheet along with technical bid and if there is any deviation in above mentioned specifications should be clearly highlighted in remarks. Please provide proper document like brochure or other documents justifying the claims as complied.
5. The vendor should have office or agents in India. Qualified technical and service personnel should be available in India.

## ANNEXURE-III

(To be submitted on the letterhead of the company/firm)

### CERTIFICATE BY THE BIDDER (FOR TENDERS)

I have read the clause regarding restrictions on procurement from bidder of as country which shares a land border with India. I certify that this bidder is not from such a company or if from such a country, has been registered with the Competent Authority (copy of Registration Certificate enclosed). I hereby certify that the bidder fulfils all requirements in this regard and is eligible to be considered. This is in terms of Restriction under Rule 144 (xi) of the General Financial Rules (GFRs). 2017 under sub clause 3, in terms of DOE, MoF No. F.18/37/2020-PPD dated: 8<sup>th</sup> February, 2021.

Date:

Name of the company/firm/organization

Place:

Signature with Date and stamp of the bidder