



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. - AAAAII781K GSTIN No:- 03AAAAII781K2ZS

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CPPP/Institute Website

IISERM (1296)19/20Pur

Dated: 30th November 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 Potentiostat System 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.

-sd-

(Mukesh Kumar)
Assistant Registrar (P&S)



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E-TENDER NOTICE

Tender Ref.- IISERM(1296)19/20Pur

Dated :- 30th November 2019

Critical Date Sections

Sr.	Description	Date	Time
1.	Tender Publishing Date and time	30 th Nov 2019	6:00pm
2.	Tender Document download start Date & Time	30 th Nov 2019	6:00pm
3.	Bid Submission start Date & Time	30 th Nov 2019	6:00pm
4.	Bid Submission End date and Time	23 rd Dec 2019	Upto 11:00am
5.	Tender opening Date and Time	24 th Dec 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. Tender fee in shape of DD/Banker Cheque of Rs 590/- (Non-refundable) and EMD of Rs 30,000/- 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 data-bbox="231 226 1117 259">Supply and installation of Potentiostat System with Accessories</p> <p data-bbox="231 293 534 327"><u>Technical specifications</u></p> <p data-bbox="231 360 518 394"><u>I. Basic requirements:</u></p> <ol data-bbox="295 394 1348 797" style="list-style-type: none">1. Multichannel Potentiostat-Galvanostat model - one chassis system with 5 or more independent channel slots2. Number of channel boards and cables required: 3 or more for a single chassis system; Cable length at least 1 meter; All cables must be calibrated with the supplied instrument with proper certification.3. All the channels should be independent & operate simultaneously4. Instrument should operate in Bi-stat & N-Stat mode, compatible to work with RDE and RRDE5. Should work in 2, 3, 4 electrode mode operation.6. Should work for microbial fuel cell/ electrolysis cell /solid state materials/ Biomaterials testing.7. Should have option to expand the system with additional channels <p data-bbox="231 831 869 864"><u>II. Standard system specifications of each channel:</u></p> <ol data-bbox="295 864 1197 1234" style="list-style-type: none">1. Compliance Voltage: 18V or better2. Voltage accuracy: 0.1% or lesser3. Measurable current: 20 nA to ± 400 mA or better4. Current Resolution: 760 pA or better5. Current accuracy: 0.1 % or lesser6. Applied voltage range: ± 10V or more7. Voltage Resolution: 5μV or better8. Data Acquisition speed: 200,000 samples/sec or better9. AC sine wave amplitude – 1mv to 1000mV or better10. Should be equipped with Single sine and multi sine facility11. Future upgradation of 100Amps/50V should be possible for stack testing <p data-bbox="231 1267 590 1301"><u>III. Software Requirements:</u></p> <ol data-bbox="295 1301 1348 1906" style="list-style-type: none">1. Voltammetry techniques – Cyclic Voltammetry (CV), Multiple CV, Square Wave Voltammetry, Staircase Voltammetry2. Pulse: Differential Pulse Voltammetry, Normal Pulse, RNPV, Chronoamperometry, Chronopotentiometry3. Corrosion: Potentiostatic/Galvanostatic-Galvanodynamic, LPR, Tafel, ECN, CPT4. Energy: charge/discharge Constant – potential, current, power, resistance/load.5. Columbic efficiency determination & its analysis technique6. Dedicated software for battery testing/ super capacitor/ fuel cells should be included.7. The instrument should be capable of ascertaining the X-factor of Lithium-Sulfur batteries.8. Capability to calculate efficiency of the batteries/ Capacity and energy per cycle.9. Equivalent and circuit fitting software, CV simulation software should be provided.10. Analysis software for CV & EIS should be provided11. System should be able to control through multiple computers – preferably through Ethernet.12. Facility should be provided for recording temperature & PH along with sensors13. System should be provided with minimum 2 nos. of external devices control / data recording facility for every channel – for 10V range <p data-bbox="231 1939 422 1973"><u>IV. Warranty:</u></p> <ol data-bbox="295 1973 1348 2098" style="list-style-type: none">1. Product warranty against manufacturing defects for at least 1 year.2. Free maintenance services should be provided by the supplier during the warranty period. These include Preventive & Routine Maintenance and Breakdown and corrective maintenance.	1

V. Important notes:

1. Vendor should have ISO 9001 certification.
2. All the requirements laid down under the above specifications must be carefully read and understood before claiming your equipment as “complied”.
3. Vendors must provide the compliance statement sheet and any deviation in the above-mentioned specifications should be clearly highlighted in remarks.
4. Valid and authentic supporting documents should be submitted along with the technical bid.
5. Vendor should have office or authorized agents in India. Qualified technical and service personnel should be available in/around the region of the installation site in India.
6. Price should be quoted for CIP Delhi and should include freight, installation and any other miscellaneous charges.

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. Also mention in Technical Bid/Compliance sheet the currency in which quoted.**
- V. **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)