



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
PAN No. - AAAAI1781K GSTIN – 03AAAAI1781K2ZS

• Phone : +91-172- 2240121 • Fax : +91-172-2240124 • <http://www.iisermohali.ac.in> • Email: stores@iisermohali.ac.in

CPPP/Institute Website

IISERM (1636)23/24-Pur

Dated: 06th October 2023

ई - निविदा आमंत्रण सूचना NOTICE INVITING E-TENDER

सहायक उपकरण के साथ कण आकार और ज़ेटा पोटेंशियल एनालाइज़र की आपूर्ति और स्थापना 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 से डाउनलोड किए जा सकते हैं।

Online tenders are invited on behalf of the Director, IISER Mohali in **TWO BID SYSTEM** for the **Supply and Installation of Particle size and Zeta Potential Analyzer 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/-

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

NOTE: This is a domestic Tender according to the DPIIT Order dated 15/07/2017, 04.06.2020 and subsequent amendments to the order for Public Procurement Preference & PROVISION FOR LOCAL SUPPLIERS TOWARDS PREFERENCE TO MAKE IN INDIA. The bidder required to declare on the letter head the percentage of Local content for the quoted instrument and submit with the Technical Bid. Bidder should also give details of the location(s) at which the local value addition is made.



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ई - निविदा आमंत्रण सूचना NOTICE INVITING E-TENDER

Tender Ref.- IISERM(1636)23/24-Pur	Dated : 06 th October 2023
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Critical Date Sections

Sr.	Description	Date	Time
1.	Tender Publishing Date and time	06 th October 2023	6:00pm
2.	Tender Document download start Date & Time	06 th October 2023	6:00pm
3.	Bid Submission start Date & Time	06 th October 2023	6:00pm
4.	Bid Submission End date and Time	26 th October 2023	Upto 2:30pm
5.	Tender opening Date and Time	27 th October 2023	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. 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, in lieu of EMD.

ITEM WISE DETAILS

S. No.	Description	Qty. (in units)
1.	<p>Supply and Installation of Particle size and Zeta Potential Analyzer with accessories</p> <p>Technical Specification:</p> <ol style="list-style-type: none">1. The instrument should perform particle size, zeta potential & molecular weight measurements in a single measuring unit. The system should use Dynamic light scattering for the measurement of size & electrophoretic mobility for the measurement of zeta potential. There should be a provision for automated size and zeta potential measurement as a function of pH or additive concentration2. Temperature control as standard 0°C to 115 °C or better.3. The system must use an avalanche photodiode detector as standard.4. The instrument should have temperature and time-based trend analysis facility.5. Laser: 630 nm (deviation of 5 nm allowed), Power should be 5 mW or below.6. The laser safety should be compliant with class 1.7. Size range :0.3 nm - 12.0 microns or better for particle size analyzer and 4 nm - 100 microns or better for Zeta potential analyzer respectively.8. Minimum sample volume :3 µL9. Concentration range should be 1mg/ml, 15 kDa protein to 40% wt/vol.10. The instrument should have ability to measure particle size using forward scatter (Less Than 15 degrees) and side scatter angles (90 degrees).11. Accuracy/Precision/Repeatability: Better than +/-2% on NIST traceable latex standard12. The software should be able to classify the raw DLS data as transient & steady state so that the software can automatically differentiate between dust particles & aggregated samples without any user intervention.13. Zeta potential range: > +/- 500mV14. Mobility range: > +/-20µm.cm/V.s15. Sample Conductivity Range: 250 mS/cm or more.16. Zeta potential measurement should be done using a constant current mode.17. Ability to use minimum sample volume as low as 25 ul for zeta potential measurement.18. Molecular weight range: 1000 Da – 20 MDa or better with accuracy: +/- 10%.19. The software must be compatible with Windows-10 or more recent operating20. Data export must be available to word processing packages or spreadsheets.21. Access to all measured data such as correlation functions, fitted data points, residuals and other experimental parameters must be available for subsequent analysis.22. The calculation of the cumulants mean defined in ISO13321 must be used.23. The software upgradation should be free for life time.24. Suitable PC should be supplied.25. One glass cuvette, 10 nos. of zeta potential cuvettes, 100 nos. of disposable cuvettes should be provided.26. Vendor should offer technical support and field applications/sales/service support to answer technical questions, help review data, and give recommendations on how to troubleshoot results encountered with Nano Particle Size and Zeta Potential Analyzer experiments.27. The vendor must provide the instrument's technical data catalog with all the technical specifications mentioned in the catalog as per their quotation against the tender.	01

	<p>28. User training should be provided at the customer site by a certified technical scientist focusing on basic operation and maintenance.</p> <p>29. Warranty: 1 year</p> <p>30. AMC for the next 5 years must be quoted separately. [Bidder/s to quote per year rate in the BOQ/Financial Bid quantity mentioned is 5 nos. (1x5=)].</p> <p>31. The vendor should have at least 15 installations in Govt. institutes in India. The PO and the installation certificate should be provided. Performance statements are desirable. The vendor should provide the e-mail address and contact number of the most recent 15 end-users of the quoted instrument.</p>	
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A) IMPORTANT NOTES:-

- I. **This is a domestic Tender according to the DPIIT Order dated 15/07/2017, 04.06.2020 and subsequent amendments thereof for Public Procurement Preference & PROVISION FOR LOCAL SUPPLIERS TOWARDS PREFERENCE TO MAKE IN INDIA. Bidders should also give details of Location(s); at which the local value addition is made. Bidders are requested to furnish the declaration regarding local content/locations in Annexure II through CPPP portal.**
- II. **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: 8th 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.
- III. **The online updated Price BOO is in INR format. Bids are invited in INR only against domestic tender.**
- IV. **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.**
- V. **All MSME/NSIC/Startup Units shall be considered as per provisions/rules prescribed by Govt of India.**
- VI. **Auto-extension of last date for E-Tenders has been activated by CPP Portal which has participation 2 bids or less.**

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.	Tender Notice Document Copy of NIT (duly signed and stamped)		
2.	Undertaking Bid Security Declaration Form – Annexure-I (on letter head duly signed and stamped)		
3.	Annexure-II declaration of Local content/MII, with complete information (if applicable) (on letter head duly signed and stamped)		
4.	Technical Compliance Sheet (Annexure-III) (technical data catalogue with all technical specifications) (on letter head duly signed and stamped)		
5.	Authorization/MAF Certificate from OEM (principle)/ Manufacturer certificate, if applicable (signed copy)		
6.	Tender Fee , if applicable or Exemption Certificate (NSIC/MSME Certificate) (duly signed and stamped)		
7.	The vendor should have at least 15 installations in Govt. Institutes in India. The PO and the installation certificate should be provided. Performance statements/certificates are also to furnished. The vendor should provide the e-mail address and contact number of the most recent 15 end-users of the quoted instrument.		
8.	Attach Copy of PAN		
9.	Attach Copy of GST		

** If checklist is not provided by the bidder along with ABOVE DOCUMENTS (signed and stamped copy of NIT) the bid shall be summarily rejected.*

- IV. 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. Institute has policy not to make any advance payments towards any purchase, Letter of credit can be opened if required.
5. **Custom Duty as applicable, as per GOI Rules.**
6. **GST as applicable, as per GOI Rules.**
7. 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.
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 along with quoted product/material with make and model.** 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: 90 days.
12. The warranty (if applicable) 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 as per norms may be sought from the firms, in terms of Ministry of Education, GOI, OM No. F. No. 29-1/2019-IFD dated 06th April, 2023 for compliance of Ministry of Finance, DoE, GOI, OM No.F.1/2/2023-PPD dated 03.04.2023.

13. The right to reject all or any of the quotation and to split up the requirements for itemized L-1 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 he 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

SELF DECLARATION

[For Local Content of Products, Services or Works]

File/Tender No.
Tender ID: Dated:

To,

**The Director
Indian Institute of Science Education and Research
(Established by Ministry of Education, Govt. of India)
Sector-81, Knowledge city, PO-Manauli,
SAS Nagar Mohali-140306, Punjab**

1. With reference to Order no P.-45021/2/2017 PP (BE-II) dated 04.06.2020 and No. P-45021/2/2017-PP(BE-II) dated 16-09-2020 of DPIIT, Ministry of Commerce and Industry, Govt. of India, we fall under the following category of supplier (please tick the correct category) for the items for which this tender has been floated and being bided.

- Class I local supplier – has local content equal to more than 50%. Local contents added at _____ (name of location).
- Class II local supplier – has local content more than 20% but less than 50%. Local contents added at _____ (name of location).
- Non-local supplier – has local content less than or equal to 20%. Local contents added at _____ (name of location).

2. We are solely responsible for the abovementioned declaration in respect of category of supplier. False declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which we may can be debarred for up to 2 years as per Rule 151(iii) of the General Financial Rules along with such other actions as may be permissible under law.

Signature & seal of the company

Name and address of the organization

.....
.....
.....

Date:

Note: In cases of procurement for a value in excess of Rs. 10 crores, the 'Class-I local supplier' / 'Class-II local supplier' shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.

* To be provided in company letter head duly signed and stamped.

ANNEXURE-III

Technical Compliance Sheet

Sl. No.	Technical Specification of Particle size and Zeta Potential Analyzer with accessories	Compliance sheet and quoted product and model	Complied Yes/No and deviation, if any
1.	The instrument should perform particle size, zeta potential & molecular weight measurements in a single measuring unit. The system should use Dynamic light scattering for the measurement of size & electrophoretic mobility for the measurement of zeta potential. There should be a provision for automated size and zeta potential measurement as a function of pH or additive concentration		
2.	Temperature control as standard 0°C to 115 °C or better.		
3.	The system must use an avalanche photodiode detector as standard.		
4.	The instrument should have temperature and time-based trend analysis facility.		
5.	Laser: 630 nm (deviation of 5 nm allowed), Power should be 5 mW or below.		
6.	The laser safety should be compliant with class 1.		
7.	Size range :0.3 nm - 12.0 microns or better for particle size analyzer and 4 nm - 100 microns or better for Zeta potential analyzer respectively.		
8.	Minimum sample volume :3 µL		
9.	Concentration range should be 1mg/ml, 15 kDa protein to 40% wt/vol.		
10.	The instrument should have ability to measure particle size using forward scatter (Less Than 15 degrees) and side scatter angles (90 degrees).		
11.	Accuracy/Precision/Repeatability: Better than +/-2% on NIST traceable latex standard		
12.	The software should be able to classify the raw DLS data as transient & steady state so that the software can automatically differentiate between dust particles & aggregated samples without any user intervention.		
13.	Zeta potential range: > +/- 500mV		
14.	Mobility range: > +/-20µm.cm/V.s		
15.	Sample Conductivity Range: 250 mS/cm or more.		
16.	Zeta potential measurement should be done using a constant		

	current mode.		
17.	Ability to use minimum sample volume as low as 25 ul for zeta potential measurement.		
18.	Molecular weight range: 1000 Da – 20 MDa or better with accuracy: +/- 10%.		
19.	The software must be compatible with Windows-10 or more recent operating		
20.	Data export must be available to word processing packages or spreadsheets.		
21.	Access to all measured data such as correlation functions, fitted data points, residuals and other experimental parameters must be available for subsequent analysis.		
22.	The calculation of the cumulants mean defined in ISO13321 must be used.		
23.	The software upgradation should be free for life time.		
24.	Suitable PC should be supplied.		
25.	One glass cuvette, 10 nos. of zeta potential cuvettes, 100 nos. of disposable cuvettes should be provided.		
26.	Vendor should offer technical support and field applications/sales/service support to answer technical questions, help review data, and give recommendations on how to troubleshoot results encountered with Nano Particle Size and Zeta Potential Analyzer experiments.		
27.	The vendor must provide the instrument's technical data catalog with all the technical specifications mentioned in the catalog as per their quotation against the tender.		
28.	User training should be provided at the customer site by a certified technical scientist focusing on basic operation and maintenance.		
29.	Warranty: 1 year		
30.	AMC for the next 5 years must be quoted separately. [Bidder/s to quote per year rate in the BOQ/Financial Bid quantity mentioned is 5 nos. (1x5=)].		
31.	The vendor should have at least 15 installations in Govt. institutes in India. The PO and the installation certificate should be provided. Performance statements are desirable. The vendor should provide the e-mail address and contact number of the most recent 15 end-users of the quoted instrument.		

* Any other information to be furnished in the technical bid along with product catalog and brochure.