



ভারতীয় বিজ্ঞান শিক্ষা এবং গবেষণা প্রতিষ্ঠান কলকাতা
 भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान कोलकाता
INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH KOLKATA
 (An Autonomous Institute under Ministry of Education, Department of Higher Education,
 Govt. of India)
 PO-MOHANPUR, DIST. NADIA, PIN - 741246, WEST BENGAL, INDIA
 E-Mail: purchase@iiserkol.ac.in

EOI REF NUMBER: IISER-K/EOI/1104/G/DORD/26-27

দিনাক/DATE: 21.09.2026

EXPRESSION OF INTEREST (EOI) – NON-COMMITTAL

Indian Institute of Science Education Kolkata (hereafter referred to us Institute) invites online Expression of Interest (EOI)-Non-Committal bid from all the interested suppliers (Eligible Original Equipment Manufacturer (OEM) or their Authorized Agent) for the equipment as stated below.

The Institute intends to finalize the specifications, scope of AMC, if applicable, subsequent Global Tender Enquiry (GTE)/Advertised Tender Enquiry (ATE) NIT Document, etc. taking into account the admissible feedback from all the interested suppliers. The suppliers are requested to participate and attended a meeting to discuss all such matters as stated below in this respect.

The Expression of Interest (EOI) can be seen and downloaded from Central Public Procurement (CPP) Portal <https://eprocure.gov.in/epublish/app> OR in the website of Institute (<https://www.iiserkol.ac.in/web/>) within the scheduled of Dates.

For participation in the bidding process against this Expression of Interest (EOI), bidders are required to follow the prescribed procedure and submit their responses through the **Central Public Procurement (CPP) Portal**.

PARTICULAR	DETAILS
ईओआई संदर्भ संख्या / EoI REF. NO.	IISER-K/EOI/1104/G/DORD/26-27
वस्तु विवरण / ITEM DESCRIPTION	SUPPLY, INSTALLATION AND COMMISSINING OF DYNAMIC MECHANICAL ANALYZER.
क्रय का प्रकार / PROCUREMENT TYPE	EXPRESSION OF INTEREST (EOI), NON-COMMITTAL
निविदा के प्रकाशन की तिथि / DATE OF PUBLICATION OF TENDER	21.09.2026(MONDAY)
ऑनलाइन बोली प्रस्तुत करने की अंतिम तिथि / LAST DATE OF ONLINE BID SUBMISSION	28.09.2026 (MONDAY) up to 2.00 PM (For details check the tender details page)
तकनीकी बोली के खुलने की तारीख / DATE OF OPENING OF TECHNICAL BID	28.09.2026 (MONDAY) after 2.00 PM
ईओआई बैठक का विवरण, यदि कोई हो DETAILS OF EOI MEETING, IF ANY	Date and time: 28.09.2026 (MONDAY) 3:00 – 4:00 pm Mode of the meeting: Hybrid Mode Venue: DCS Meeting Room, IISER Kolkata Link for Online: https://meet.google.com/osv-dqkr-ubg Location of the Institute in Google Map : https://maps.app.goo.gl/w9t3spotR7585yfr9

Signature of the Bidder with Company Stamp

All interested OEMs/suppliers are requested to submit their Expression of Interest (EoI) **only through the CPP Portal**. EoIs submitted through e-mail or in physical/manual form shall not be considered or accepted.

It may be noted that, based on the deliberations and discussions held during the EoI meeting, the Institute shall examine and decide upon the admissible feedback/suggestions to finalise the **specifications, scope of AMC, if applicable, subsequent Global Tender Enquiry (GTE)/Advertised Tender Enquiry (ATE) NIT Document, etc. in this respect**. The decision of the Institute in this regard shall be **final and binding on all** concerned.

Once the specifications, scope of AMC, if applicable, subsequent GTE/ATE NIT Document, etc. are finalized based outcome of this EoI meeting, the same will be published in accordance with the extant norms of the Institute without the provision of Pre-Bid meeting in the subsequent GTE/ATE. The Specification is attached as **Annexure-I** and the draft GTE/ATE NIT format is uploaded as separate file as **Annexure-A**.

The interested and eligible bidders should submit their bid incorporating the following documents:

- 1) A detailed Technical Offer clearly indicating the item being offered along with all relevant terms and conditions must be submitted. The bidder shall clearly mention the commercial name of the item, along with Make, Model, HSN Code, Part Number, and other relevant product details.
- 2) STATEMENT OF COMPLIANCE as per the required specification given in **Annexure-I** along with Technical Leaflets/Literature/Brochure of the offered model. In case of any deviation, suitable comments may be incorporated.
- 3) BASIC INFORMATION FORM as per **Annexure-II** along with supporting documents.
- 4) RELEVANT INSTALLATIONS / PAST EXPERIENCE DETAILS as per **Annexure-III** along with supporting documents.
- 5) SELF-DECLARATION FOR MII as per **Annexure-IV**.
- 6) DECLARATION – NON-COMMITTAL EOI, INTEGRITY & CONFLICT OF INTEREST as per **Annexure-V**.
- 7) Any other documents if the bidder wish to provide in support to the offer.

DISCLAIMER – NON-COMMITTAL NATURE

- This EoI is solely intended to obtain feedback, suggestions, and inputs from all the interested for suppliers to finalize the specifications, scope of AMC, if applicable, subsequent Global Tender Enquiry (GTE)/Advertised Tender Enquiry (ATE) NIT Document, etc.
- The subsequent Global Tender Enquiry (GTE)/Advertised Tender Enquiry (ATE)tendering shall not be restricted only to the participating bidders of this EoI.
- The Institute is not bound to proceed with procurement or to accept any response.
- No participant shall be entitled to claim reimbursement of preparation, travel, demonstration, technical consultation or other expenses in this respect.
- The Institute may use non-confidential information submitted in the EOI for preparation/refinement of the subsequent procurement documents.
- The Institute may obtain additional market information independently and is not restricted to respondents to this EOI.

Note: It is once again requested that all interested OEMs/suppliers actively participate in the EoI meeting. The meeting will be conducted in hybrid mode; however, in the interest of effective interaction and better understanding of the technical requirements, OEMs/suppliers are strongly encouraged to attend the meeting physically at the Institute.

Annexure-I

Statement of Compliance for DYNAMIC MECHANICAL ANALYZER

Participating Bidders/ Respondent shall provide a line-by-line response against every requirement. Also, it is instructed to be supported by brochure/data sheet/test report or other documentary evidence wherever the parameter is objectively verifiable.

SL. NO.	PARAMETER	INSTITUTE'S INDICATIVE REQUIREMENT	OFFERED SPECIFICATION	COMPLIANCE STATEMENT (YES/NO/COMMENT)
Quoted the make and model of the item				
MAIN SYSTEM				
1	DMA Instrument	The Dynamic Mechanical Analyser (DMA) to measure the modulus of material, glass transition temperature, creep, stress relaxation, stress-strain analysis, visco-elastic behaviour, etc., for various polymeric materials, films, elastomers, composites, solid propellant, powder, etc.		
2	Bearing & Motor Technology	Air Bearing for frictionless movement of the drive shaft.		
3	Modulus Range	10^3 to 10^{12} Pascals or better		
4	Modulus Precision	$\pm 1\%$ or better		
5	Frequency Range	0.001 to 200 Hz or above		
6	Maximum Force	18 N or above		
7	Minimum Force	0.1 mN or better		
8	Force Resolution	0.01 mN or better		
9	Tan δ Sensitivity	0.001 or better		
10	Displacement Sensor	Optical Encoder		
11	Dynamic displacement range	Min. 5 nm or better, Max. 10 mm or better		
12	Static displacement range	25 mm continuous range of travel		
13	Tan δ Resolution	0.0001 or better (Should be mentioned on brochure which should be available on website)		
TEMPERATURE CONTROLLER 1				
14	Temperature Range	Ambient to 600 °C or above		

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SL. NO.	PARAMETER	INSTITUTE'S INDICATIVE REQUIREMENT	OFFERED SPECIFICATION	COMPLIANCE STATEMENT (YES/NO/COMMENT)
15	Heating Range	0.1 °C/min to 20 °C/min		
16	Cooling Range	0.1 °C/min to 10 °C/min		
17	Furnace Type	Total temperature is required from -90 °C to 600 °C. a. Should have wide-range bifilar wound that provides uniform temperature control from RT to 600 °C or better & b. Should be connected with mechanical refrigeration unit capable to achieve -90 °C without LN₂. c. Facility to analyse samples under N₂, Air & He environment.		
TEMPERATURE CONTROLLER 2: MECHANICAL REFRIGERATION UNIT (ACS/GCU) DESIGNED FOR SUB-AMBIENT TEMPERATURE TESTING AT LEAST UP TO -90 °C WITHOUT LIQUID NITROGEN				
18	Temperature Range	-90 °C to 300 °C or better		
19	Cooling Rate Capability	5 °C/min or better		
20	Cooling Medium	Compressed air		
21	Cooling Method	Multi-stage cascading compressor refrigeration		
CLAMP GEOMETRIES/ FIXTURES				
22	Deformation Modes & Samples Size Specifications:	A. Dual & Single Cantilever clamp of 35 mm & 17.5 mm length B. 10 mm, 20 mm and 50 mm 3-Point Bending clamp C. Film Tension clamp D. Powder Sample accessory Kit E. Shear Sandwich F. Compression Clamp of 15 mm & 40 mm diameter.		
SOFTWARE & TESTING MODES				
23	DMA testing modes	Oscillation tests: Temperature Ramp, Frequency Sweep, Temperature Step & Hold, Time Sweep, Amplitude Sweep, TTS. Transient tests: Creep Recovery, Stress Relaxation, Iso-Strain Temp ramp, Iso-force temp ramp, Stress-Stress Rate tests.		
24	DMA Analysis	Ability to graph, plot in tabular format,		

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SL. NO.	PARAMETER	INSTITUTE'S INDICATIVE REQUIREMENT	OFFERED SPECIFICATION	COMPLIANCE STATEMENT (YES/NO/COMMENT)
	Software	as well as analyze peak for temperature or signal values, onset points, slopes, peaks, integration of any curve, curve values, and curve subtractions. Data should be available in a plain text format and or spreadsheet format, along with the Raw data, and a real-time data facility. Master Curve software has ability to automatically shift data and fit with the WLF or Arrhenius equations. All data should be manually available for shifting in addition to the automatic shifting. Software & the system should have the capability to prevent the sample to be buckled, which it will always keep the static force greater than the oscillation force for the 1/2 cycle down. Elastic modulus (E', E''), $\tan \delta$ as a function of time, temperature, frequency, strain and stress in Tensile mode.		
SOFTWARE FEATURE				
25	Software Feature	The DMA must be capable of Direct Strain operation for closing the displacement control loop around motor position in real time without iterating around the oscillation force to achieve the programmed displacement.		
26	Touch Screen facility	The DMA must contain a color touch-screen display for ease-of-operation.		
OTHERS				
27	Warranty	60 months from the date of installation.		
28	Suitable Computer	Core i5, Latest Processor, 512 GB, 16 GB RAM, display 19 inch or more.		
29	UPS	5 KVA UPS with 30 min backup.		
30	Compressor	A Suitable oil free noise free moisture free Compressor for DMA & Mechanical Chiller both.		
31	Dryer	A suitable dryer.		
32	Anti-Vibration Table	Anti-Vibration Table for to accommodate DMA system along with the other utilities.		

Signature of the Bidder with Company Stamp

SL. NO.	PARAMETER	INSTITUTE'S INDICATIVE REQUIREMENT	OFFERED SPECIFICATION	COMPLIANCE STATEMENT (YES/NO/COMMENT)
33	Training	Students, operators need to be trained free of cost.		
34	Delivery Period:	Within 3 months from the opening of LC or issue of Purchase Order, as applicable		

[Signature with date, name, and designation]

for and on behalf of M/s.....

[Name & address of the OEM and seal of company]

Please fill up suitably

Signature of the Bidder with Company Stamp

Annexure-II

BASIC INFORMATION FORM

PARTICULAR	BIDDER REMARKS
Name and address of the Company/Organization/Authorized Agent	
Details of the Signatory / Concern person Name, Contact no and Email ID	
Name and address of the foreign Principal/OEM with Contact no and Email ID, if applicable	
Country of Origin of the OEM	
Details of service Centre available	
Whether the item/equipment is duty free or not. (Upload proper documents / declaration in case of duty-free item)	
Details of user of similar items available in India	
Expected delivery period (From the issue of Purchase Order OR establishment of Letter of Credit as applicable)	

[Signature with date, name, and designation]
for and on behalf of M/s.....

[Name & address of the OEM and seal of company]
Please fill up suitably

ANNEXURE – III

RELEVANT INSTALLATIONS / PAST EXPERIENCE DETAILS

Sl.	Name of the Customer / Institute /Organization	Brand and Model of the Equipment supplied and installed	Year of Installation	Contract or Reference Number	Provide Supporting Doc. e.g.-Purchase Order, Installation certificate
1					
2					
3					
4					
5					

[Signature with date, name, and designation]

for and on behalf of M/s.....

[Name & address of the OEM and seal of company]

Please fill up suitably

NOTE: PLEASE REFRAIN FROM MASKING/HIDING THE PRICE INFORMATION FROM THE ORDER COPIES SUBMITTED.

Signature of the Bidder with Company Stamp

ANNEXURE – IV

SELF DECLARATION FOR MII

(On company letter head along with supporting documents, if any)

TO

THE DIRECTOR

INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH KOLKATA

MOHANPUR- 741 246, DIST. NADIA, WEST BENGAL

Reference Number:

1. With reference to Order no P.-45021/2/2017 PP (BE-II) dated 04.06.2020 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 the bid is being submitted.
 - Class-I local supplier – has local content equal to more than 50% ☐
 - Class-II local supplier – has local content more than 20% but less than 50% ☐
 - Non –local supplier – has local content less than or equal to 20% ☐
2. We are solely responsible for the above-mentioned 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 2017 for which we may can be debarred for up to 2 years as per Rule 151(iii) of the General Financial Rules 2017 along with such other actions as may be permissible under law.
3. Detail of the location(s) at which the local value addition is made: _____

(Signature of the Authorized Person with
Organization Seal)

Note: In case of procurement value more than ₹10 crores, this certificate is to be issued by Statutory Auditor/Cost Auditor/ practicing Cost Accountant / practicing Chartered Accountant as applicable as per the aforesaid order).

The bidders offering the imported product will fall under the category of non-local suppliers. They can't claim themselves as class-I local suppliers/Class-II local suppliers by claiming the service such as transportation, insurance, Installation, commissioning, training and after sales service support like AMC/CMC etc. as local value addition.

ANNEXURE – V

DECLARATION – NON-COMMITTAL EOI, INTEGRITY & CONFLICT OF INTEREST

I/ We* _____ (name and designation of the bidder) on behalf of _____ (name of the organization/company) have downloaded / obtained the tender document(s) for the above mentioned 'Tender from the website(s) namely <https://eprocure.gov.in/eprocure/app>.

I/We further declare that I/We have carefully read and understood all the terms, conditions, specifications, instructions, and provisions contained in the tender document(s) and agree to abide by the same in their entirety.

- 1) the information submitted in response to this EOI is true, complete and correct to the best of our knowledge;
- 2) we understand that this EOI is non-committal and does not constitute a tender, purchase order, contract, empanelment or assurance of future procurement;
- 3) we have disclosed all material deviations, limitations and assumptions;
- 4) we shall comply with provision of GTE/ATE and the Code of Integrity for Public Procurement at the subsequent procurement stage;
- 5) we are not currently debarred/blacklisted by any competent Government authority, except as disclosed below;
- 6) there is no conflict of interest affecting our participation, except as disclosed below (please mentioned if applicable);
- 7) we shall not attempt to influence the Institute's procurement process improperly.

Details of any debarment/blacklisting: _____

Details of any conflict of interest: _____

Authorized Signatory: _____

Name: _____

Contact Number: _____

Designation: _____

Date: _____

Seal: _____