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/1473/G/DORD/26-27 दिनांक/**DATE: 15-10-2026**

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/1473/G/DORD/26-27
वस्तु विवरण / ITEM DESCRIPTION	SUPPLY, INSTALLATION AND COMMISSINING OF OPERANDO FTIR SPECTROMETER
क्रय का प्रकार / PROCUREMENT TYPE	EXPRESSION OF INTEREST (EOI) – NON-COMMITTAL
निविदा के प्रकाशन की तिथि / DATE OF PUBLICATION OF TENDER	16.10.2026 (FRIDAY)
ऑनलाइन बोली प्रस्तुत करने की अंतिम तिथि / LAST DATE OF ONLINE BID SUBMISSION	23.10.2026 (FRIDAY) up to 2.00 PM (For details check the tender details page)
तकनीकी बोली के खुलने की तारीख / DATE OF OPENING OF TECHNICAL BID	23.10.2026 (FRIDAY) after 2.30 PM
ईओआई बैठक का विवरण, यदि कोई हो DETAILS OF EOI MEETING, IF ANY	**Date and time**: 26.10.2026 Monday at 4.00 PM **Mode of the meeting**: Hybrid Mode **Venue**:. DCS Meeting Room, IISER KOLKATA, Mohanpur, Nadia, 741246, West Bengal. India Link for Online (http://meet.google.com/xhn-hopy-pua) 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. **No financial bid is to be submitted.**

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.

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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.

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Annexure-I

Statement of Compliance for Operando FTIR Spectrometer

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.	INSTITUTE'S INDICATIVE REQUIREMENT		OFFERED SPECIFICATION	COMPLIANCE STATEMENT (YES/NO/COMMENT)
	Quoted the make and model of the item			
	Vacuum FT-IR Spectrometer: The spectrometer should be a complete vacuum spectrometer with Aluminum cast body capable of measuring the IR spectra in atmospheric interference free conditions. It should be suitable for collecting the spectra of liquid samples, solid samples, thin-films, powders, polymers, pastes and gels. The spectrometer should be supplied with accessories IR transmission. It should also be supplied with accessories for measurement of IR spectra from the samples during electrochemical cell testing as well as heterogeneous photocatalysis under full vacuum condition.			
	Features	**Specifications**		
1.	Spectral range	Spectrometer should have standard operating range from 7500 cm^{-1} to 400 cm^{-1} or better. System should have provision for future upgrade to expand the spectral range in the far IR, near IR and VIS/UV region from 20 to 25,000 cm^{-1} or better.		
2.	Spectral resolution	The instrument spectral resolution should be at least 0.2 cm-1 or better.		
3.	SNR ratio	The signal to noise ratio must be better than 50,000:1 in 1 min sample measurement, 4 cm-1, peak-to-peak @2,000 cm-1		
4.	Interferometer	The FT-IR must incorporate a high throughput permanently aligned interferometer with cube corner mirrors and gold coated optics for maximum light throughput and efficiency. The interferometer should have 10 years of warranty on the scanning mechanism.		

Signature of the Bidder with Company Stamp

SL. NO.	INSTITUTE'S INDICATIVE REQUIREMENT		OFFERED SPECIFICATION	COMPLIANCE STATEMENT (YES/NO/COMMENT)
5.	Scanning rate	A scanning rate of 20 spectra/s at 8 cm-1 resolution or better should be standard. A scan rate of 70 spectra/s at 16 cm-1 resolution or better should be offered for rapid scan measurement of fast kinetics. For kinetics in the micro and nano second range as well as for amplitude and phase modulation, the system must have provision in future with the Step-Scan technique and field upgradeable.		
6.	Vacuum conditions	The spectrometer shall be a vacuum spectrometer capable of maintaining a working pressure of less than 0.2 mbar. The optics must be permanently mounted so that the optical alignments are maintained under both evacuated and non-evacuated operations. The interferometer and sample chamber must be separately evacuable in order that the sample compartment may be brought up to atmospheric pressure without losing vacuum in the interferometer and detector chambers. Vacuum optics bench with oil free vacuum pump should be provided. The vacuum pump should be low noise oil-free pump with a capacity of 15 m3/h or better.		
7.	Beamsplitter	A KBr beamsplitter must cover the mentioned spectral range.		
8.	Windows	KBr windows in the sample compartment to cover the mentioned spectral range.		
9.	IR source	Internal high power IR source with long life must be provided that covers the mentioned spectral range. The sources must be easily accessible and user replaceable.		
10.	Detector	DTGS detectors or appropriate detectors to cover the whole spectral range. The spectrometer should be upgradable to a multi-detector unit to be able to accommodate up to 4 detectors or more		

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SL. NO.	INSTITUTE'S INDICATIVE REQUIREMENT		OFFERED SPECIFICATION	COMPLIANCE STATEMENT (YES/NO/COMMENT)
		and selection of detectors should be fully automated.		
11.	Optics	Gold coated, high reflectivity mirrors should be provided to cover above mentioned spectral range.		
12.	IR sampling kit for transmission mode	Standard IR sample preparation kit containing tools and materials for the preparation of liquid and solid samples for transmission measurement should be included. **For Liquid sampling:** - Demountable transmission cell - KBr windows (pair), rectangular, for liquid cell - CaF_2 windows (pair), rectangular for liquid cell - KBr windows (pair), circular for mull cell - Teflon spacer set (10 pcs) - Luer syringe, 2 mL **For Solid sampling:** - Teflon spacers (10 pcs), circular, for mull cell - KBr Powder, 250 g - Nujol, 100 mL - Magnetic film holder - Stainless steel micro spatula - Mortar and pestle - Sample cards for films and pellets (10 pcs)		
13.	In-situ spectro-electrochemistry accessories	Dedicated accessories for in-situ spectro-electrochemical analysis should be supplied. Electrochemical accessories should be able to study electrolyte solutions and small layers on electrode surfaces in both ATR and Reflection mode. The package must contain the following: - Reflection unit - Mount for electrochemical cell -Vacuum conditions ensured for electrochemical cell		

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SL. NO.	INSTITUTE'S INDICATIVE REQUIREMENT		OFFERED SPECIFICATION	COMPLIANCE STATEMENT (YES/NO/COMMENT)
		- Hemishperical window CaF_2 and Si, mounted - Rapid scan measurements - Glass body as electrochemical cell should be provided - Optical filter and MIR polarizer with mount -Trigger connectors for connecting external experiments in rapid -Liquid Nitrogen cooled high sensitive MCT detector covering spectral range from 600 – 10000 cm^{-1} or better, with holding time of 8 hours or better -Cell cable for connecting standard potentiostat. - Vacuum tight sample compartment -Additional housing for selecting a second detector - Software package must include 3D data evaluation and controlling Potentiostat		
14.	Catalytic reaction chamber	1. A high-performance Diffuse Reflectance Accessory with 20% diffuse reflection efficiency with base plate. 2. DRIFT unit must have highly efficient collection system with capabilities of minimizing the detection of the specular component. 3. DRFIT unit must have Ellipsoids pivot to provide easy access to the sampling area. 4. DRIFT unit must be supplied with all necessary hardware such as alignment fixture, alignment post, 10 mm and 3 mm sampling cups, funnel and mating hardware and temperature controller. 5. The FT-IR instrument should be supplied with components such that the DRIFTS reflectance measurements	7.	8.

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SL. NO.	INSTITUTE'S INDICATIVE REQUIREMENT		OFFERED SPECIFICATION	COMPLIANCE STATEMENT (YES/NO/COMMENT)
		can be performed under full vacuum conditions. ~~6.~~ The DRIFTS accessory should be enabled for performing photocatalysis using visible range fiber-optics coupling under vacuum conditions.		
15.	Software	- Software must be fully licensed to IISER Kolkata. -Software must be user friendly and should control data acquisition, data evaluation and data reporting. - Data export in .csv format / Excel sheet along with other formats. - Automated atmospheric correction for water vapor and CO_2. -Software must be capable of spectra normalization, baseline correction, derivative calculation and spectra subtraction and averaging of spectra. -Library search for material identification. -Free starter libraries should be provided. -Analyze peak areas and heights quantitatively.		
16.	Upgradation	The Spectrometer must have at least four or more computer-controlled beam output ports and two beam input ports to accommodate instrument expansion to interface the FT-IR with external sample compartments, Infrared Microscopes, FT-Raman, Emissivity accessories, Far IR, thin-film applications, in-situ temperature dependent studies, etc.		
17.	Computer	A suitable branded computer with an Intel Core i7 processor (latest generation) must be provided along with the following specifications: - 16 Gb RAM or better - 512 Gb SSD or better		

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SL. NO.	INSTITUTE'S INDICATIVE REQUIREMENT		OFFERED SPECIFICATION	COMPLIANCE STATEMENT (YES/NO/COMMENT)
		- 1 Tb Hard Drive or better - HDMI port, VGA port, RJ-45 LAN port (2 or more), keyboard and mouse - CD/DVD writer - WiFi - fully compatible with the instrument and software. - the system should be supplied with a 24-inch Full HD monitor or better equipped with HDMI, VGA, and other relevant connectivity ports. -Line-in (stereo/microphone), Line-out (headphone/speaker) -Operating System: Windows 10 or better.		
18.	Power	All electrical components should be able to comply and operate under standard Indian electrical parameters.		
19.	Warranty	• 3 years comprehensive warranty (inclusive of Main instrument, PC/Workstation and all third-party items) including all spare parts, maintenance kit and accessories from the date of successful installation and commissioning. • If any accessories/spare parts are found to be defective within the warranty term (after commissioning), then the manufacturer/supplier will replace the items without any charges (including freight delivery, insurance, custom duty, transportation, etc.) • If there is a breakdown during the warranty term, a capable service engineer from the supplier should make as many visits as necessary to fix the issue and replace any defective parts, free of charge. • In the event of a minor fault, the service response time must be within		

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SL. NO.	INSTITUTE'S INDICATIVE REQUIREMENT		OFFERED SPECIFICATION	COMPLIANCE STATEMENT (YES/NO/COMMENT)
		three working days, and for a severe breakdown or hardware change, it must be within fourteen working days. If not, the warranty period will be automatically extended by the amount of time required to fix the defects. Accordingly, the PBG may be extended. • The warranty must include the equipment's yearly calibration. After each significant repair or malfunction, calibration must be done as well. • The supplier should also get a certified document from the third party items suppliers that the warranty of their items is for 3 years. • The principle of the instrument must have their own servicing center in India. • The supplier shall provide on-site training at the buyer's site, free of cost, through a factory-trained engineer and one application specialist.		
20.	Installation & Training	• Onsite free of cost installation and training by the manufacturer or its Indian agent. • After installation by the service engineers, a separate session by an application specialist must be conducted for 2 days. • Detailed Service & Operation manual should be provided.		
21.	Supporting documents/certificates	Vendor must provide the supporting documents/certificates for justifications of each point & should be available on manufacturer website/brochure.		

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SL. NO.	INSTITUTE'S INDICATIVE REQUIREMENT		OFFERED SPECIFICATION	COMPLIANCE STATEMENT (YES/NO/COMMENT)
22.	Other requirements	• The supplier of the instrument must confirm in writing that spares for the entire instrument (including additional units and accessories) will be available for at least a period 10 years after the model of equipment supplied has been phased out. For frequently required spares, there should be adequate inventory available with the Indian agency of the company. • Suitable and essential tool kit is to be supplied with the instrument for required maintenance. • Accessories that are needed for the operation of the instrument, but not mentioned in the Technical Specifications list, must be quoted by the vendor. • The instrument should be installed and commissioned at site. Site requirements must be provided by the supplier. Complete technical details of pre-installation requirements should be furnished along with the technical bid.		
23.	Delivery	The equipment has to be delivered within 4 months from the date of purchase order / LC.		

[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

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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

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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.

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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.

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Signature of the Bidder with Company Stamp

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: _____

Signature of the Bidder with Company Stamp