

टाटा मूलभूत अनुसंधान संस्थान हैदराबाद
TATA INSTITUTE OF FUNDAMENTAL RESEARCH HYDERABAD
प्लॉट नंबर 36/पी, गोपनपल्ली गांव, सेरिलिंगमपल्ली मंडल, रंगा रेड्डी जिला
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दिनांक /Date: 08-06-2026

Expression of Interest (EOI)

For

**The Establishment of Advanced High-Resolution
Mass Spectrometry Platforms for Omics and
Native Mass Spectrometry Applications for
Tata Institute of Fundamental Research, Hyderabad.**

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TATA INSTITUTE OF
FUNDAMENTAL RESEARCH

**Invitation for Expression of Interest for the Establishment of
Advanced High-Resolution Mass Spectrometry Platforms for Omics
and Native Mass Spectrometry Applications.**

**TIFR Hyderabad is inviting Expression of Interest (EoI) in the form
of a technical proposal (EoI technical response sheet format
attached as per Annexures) from Manufactures/Suppliers/solution
providers for supply, installation, commissioning and
demonstration of the items.**

2. CRITICAL DATE SHEET

S.No.	Stage	Date & Time (tentative)
1.	Release of Expression of Interest (EoI)	08-06-2026
2.	Last Date for submission of written queries by Bidders	11-06-2026 by 15.00 Hrs.
3.	Response to the Queries	16-06-2026 by 17.00 Hrs.
4.	Last date for Submission of EoI	30-06-2026 by 13.00 Hrs.
5.	Opening of EoI	30-06-2026 at 15.00 hrs.
6.	Date of Presentation	Will be communicated later through a separate email.

3. INTRODUCTION ABOUT TIFR HYDERABAD

The Tata Institute of Fundamental Research (TIFR), a National Centre of the Government of India under the umbrella of the Department of Atomic Energy, operates at the cutting edge of global science. The Institute was founded in 1945 with support from the Sir Dorabji Tata Trust under the vision of Dr. Homi Bhabha.

Tata Institute of Fundamental Research Hyderabad (TIFRH) is a premier institute dedicated to fundamental scientific research across biology, chemistry, physics, and interdisciplinary sciences. The biology research programs at TIFRH span molecular, cellular, structural, systems, and organismal biology, integrating advanced technologies and quantitative approaches.

The institute is actively developing cutting-edge programs in:

- A) Mass spectrometry methods development
- B) Membrane biology
- C) Structural biology and biophysics
- D) Organellar architecture and function
- E) Mitochondrial biology
- F) Chemical biology
- G) Neurobiology
- H) DNA repair and genome biology
- I) Nutrition, metabolism, torpor, and ecology
- J) Mechanobiology
- K) Quantitative systems biology

The proposed HRMS platforms will serve as institute-wide infrastructure supporting multiple research groups and interdisciplinary collaborative programs.

1.1 Bidding Data Sheet

S.No	Particulars	Details
1.	Document ID	TIFRH/2026-2027/EOI/260001
2.	Release Date	08-06-2026
3.	Name of the EOI Inviting Authority	Head, Administration & Finance, TIFR, Hyderabad
4.	Availability of Eoi	Eoi can be Downloaded from: 1. TIFR-H Website https://www.tifrh.res.in/tender/ 2. Central Public Procurement Portal (CPPP) https://eprocure.gov.in/epublish/app
5.	Last date of Submission of Eoi	30-06-2026 by 13.00 hrs.

4. GENERAL INSTRUCTIONS

1. The EOI shall be submitted within the stipulated date and time mentioned in the TIFR-H Portal <https://www.tifrh.res.in/tender> and CPP Portal <https://eprocure.gov.in/epublish/app>
2. EoI proposal shall consist of supporting proofs and documents as defined in the document at section 6.
3. Bidder shall submit all the required documents as mentioned in Section 12 of this document.
4. The EoI proposal submitted by Bidder should be complete document. The document should be page numbered, must contain the list of contents with page numbers and shall be digitally signed by the Authorized Representative of the Bidder.
5. EoI document submitted by the Bidder should be concise and only relevant information as required shall be furnished.
6. The entire proposal shall be strictly as per the format specified in this Invitation for Expression of Interest and any deviation may result in the rejection of the EoI proposal.
7. Any proposal received by TIFR-H after the submission deadline shall not be considered. No further correspondence on the subject will be entertained.
8. TIFR-H shall evaluate the response to the EoI and all supporting documents/Documentary evidences. Non-submission of requisite supporting documents/documentary evidence, may lead to rejection of the EoI Proposal.
9. TIFR-H may seek additional documents or clarifications as and when required from the Bidders.

5. BRIEF OBJECTIVE AND SCOPE OF WORK

For the Establishment of Advanced High-Resolution Mass Spectrometry Platforms for Omics and Native Mass Spectrometry Applications.

Tata Institute of Fundamental Research, Hyderabad (TIFRH) invites Expressions of Interest (EOI) from reputed and technically qualified manufacturers, authorised distributors, and vendors for participation in the procurement process for establishing advanced high-resolution mass spectrometry (HRMS) platforms for interdisciplinary biological research programs at TIFRH.

The procurement process may include either:

- 1) A single integrated platform capable of supporting denaturing omics workflows and native/high-mass workflows; or
- 2) Two separate dedicated platforms:

One HRMS platform optimised for proteomics, metabolomics, lipidomics, quantitative omics, and peptide-centric workflows.

One high-mass/native mass spectrometry platform optimised for intact protein complexes, membrane protein assemblies, nanodiscs, vesicle-native MS, and Charge Detection Mass Spectrometry (CDMS).

The objective of this EOI is to identify qualified vendors with demonstrated expertise and technological capabilities to supply, install, validate, and support advanced HRMS systems that meet the technical and scientific requirements outlined herein.

SCOPE OF PROCUREMENT

The procurement includes the supply, installation, commissioning, validation, training, warranty support, and post-warranty service support for advanced HRMS systems, along with associated LC platforms and computational infrastructure.

The proposed procurement may include:

A. Omics HRMS Platform

A high-resolution mass spectrometer integrated with nano-LC and UHPLC systems for:

1. Proteomics
2. Quantitative proteomics
3. PTM analysis
4. Lipidomics
5. Metabolomics
6. Peptide-centric workflows
7. Cross-linking mass spectrometry (XL-MS) workflows
8. DIA and DDA acquisition

B. Native/High-Mass HRMS Platform

A dedicated high-mass/native MS platform for:

1. Intact protein complexes
2. Membrane protein assemblies
3. Native MS
4. Native top-down MS
5. Nanodisc analysis
6. Vesicle-native MS
7. CDMS-enabled single-ion measurements
8. Megadalton-scale assemblies

Vendors may propose:

A single integrated platform satisfying all requirements; or Two separate dedicated platforms.

GENERAL REQUIREMENTS OF LC-HRMS PLATFORMS

The proposed systems should satisfy the following broad requirements:

1. The system should be a high-resolution, high-mass-accuracy mass spectrometer designed for proteomics, quantitative proteomics, PTM analysis, lipidomics, metabolomics, Native MS, and single-ion mass spectrometry/Charge Detection Mass Spectrometry applications.
2. The omics platform must support both Data-Dependent Acquisition (DDA) and Data-Independent Acquisition (DIA) for qualitative and quantitative analyses.
4. The systems should be compatible with:
 - a. nanoLC workflows for proteomics
 - b. UHPLC workflows for metabolomics and lipidomics.
5. The systems should support:
 - a. Label-free quantitation (LFQ)
 - b. Multiplexed isobaric labelling workflows
6. The instrument should support orthogonal separation of co-eluting isobaric or singly charged species using Differential Ion Mobility or equivalent ion mobility technology.
7. LC and MS platforms should preferably be supplied by the same manufacturer for seamless integration, connectivity, and operational compatibility.

6. VENDOR ELIGIBILITY CRITERIA

Interested vendors should satisfy the following criteria:

1. The vendor should be an original equipment manufacturer (OEM) or an authorized distributor/representative.
2. The vendor should have demonstrated experience in supplying advanced HRMS platforms for biological research applications.
3. The vendor should provide evidence of installations at leading national and/or international research institutes.
4. The vendor should have local technical support capability within India.
5. The vendor should provide comprehensive installation, commissioning, application training, warranty, and annual maintenance support.

Vendors should provide details of:

- a. Installed base
- b. Technical support structure
- c. Service response timelines
- d. Application support capability.

7. EXPECTED DELIVERABLES

The selected vendor(s) shall be expected to provide:

1. Complete supply of the proposed systems.
2. Installation and commissioning.
3. IQ/OQ/PQ validation.
4. User training and application training.
5. Standard operating protocols and documentation.
6. Comprehensive warranty support.
7. Post-warranty AMC/CMC support options.
8. Preventive maintenance schedules.
9. Application support for proteomics, lipidomics, metabolomics, and native MS workflows.
10. Demonstration of performance specifications.

8. IMPORTANT NOTES

1. This EOI is not a tender document and does not constitute a commitment to purchase.
2. Submission of an EOI does not guarantee shortlisting or participation in subsequent procurement stages.
3. TIFRH reserves the right to:
 - a. Accept or reject any EOI
 - b. Modify technical requirements
 - c. Invite limited or open tendering
 - d. Seek additional technical presentations or demonstrations.
4. Vendors may be invited to present technical capabilities and demonstrate the suitability of proposed systems.
5. The final procurement specifications may be revised based on scientific and technical evaluations.
6. The institute may procure one integrated platform or multiple independent platforms, depending on technical suitability and evaluation outcomes.
7. Interested vendors are requested to present their instrument portfolio in person. The presentation schedule will be communicated to the respective vendors through a separate email at a later stage.

9. TECHNICAL PRESENTATIONS

(Maximum 50 minutes/vendor. 30-minute presentation + 20-minute Q/A and discussions)

Shortlisted vendors will be invited to provide:

1. Technical presentations
2. Workflow demonstrations
3. Case studies
4. Native MS and CDMS presentations
6. Proteomics and lipidomics workflow examples
7. Installed-site references.

10. EVALUATION PROCESS

The submitted EOIs will be evaluated by the Technical Evaluation Committee constituted by TIFR Hyderabad.

The evaluation process may include:

1. Technical scrutiny of submitted documents.
2. Assessment of compliance with the scientific and technical requirements.
3. Evaluation of:
 - a. Instrument capabilities
 - b. Native MS and CDMS capability
 - c. Omics workflow capability
 - d. Service and application support
 - e. Upgrade pathways
 - f. Installed base and user references.
4. Technical presentations and interactions with the committee.
5. Demonstration of workflow suitability for:
 - a. Proteomics
 - b. Lipidomics
 - c. Metabolomics
 - d. Native MS
 - e. Intact protein complex analysis
 - f. Membrane protein workflows.
6. Discussions regarding future scalability, software ecosystem, automation capability, and long-term support.

The Technical Evaluation Committee may seek clarifications, additional technical documents, workflow demonstrations, or revised configurations from participating vendors.

11. SUBMISSION FORMAT

The EOI submission should preferably contain the following sections:

1. Cover letter.
2. Company profile.
3. Technical proposal.
4. Compliance statement.
5. Installed-base details.
6. Service and support infrastructure.
7. Proposed workflow capabilities.
8. Optional accessories and upgrades.
9. Application notes/publications.
10. Budgetary estimate (optional).
11. Any additional information relevant to the proposed systems.

12. SUBMISSION DETAILS

Interested vendors may submit their duly signed and stamped Expression of Interest (EOI) on their letterhead, along with all technical, supporting, and other required documents (as stated in section 11) relevant to the proposed systems, in separate sealed envelope superscribed with the EOI reference number and marked in bold letters as “Expression of Interest for High-Resolution Mass Spectrometry Platforms for TIFR Hyderabad,” addressed to the Head, Administration & Finance, Tata Institute of Fundamental Research, Hyderabad, Plot No. 36/P, Gopanpally Village, Serilingampally Mandal, Ranga Reddy District, Hyderabad – 500046, Telangana, India.

13. CONTACT INFORMATION

For all correspondence related to this EOI, vendors may contact:

Head, Administration & Finance,
High-Resolution Mass Spectrometry Platforms,
Tata Institute of Fundamental Research,
36/P, Gopanpally Village,
Serilingampally Mandal,
Ranga Reddy District,
Hyderabad 500046

Email: apanda@tifrh.res.in

With a copy to: harid@tifrh.res.in , purchasergroup@tifrh.res.in

14. LOCAL CONTENT & ASSOCIATED GUIDELINES

- a. The OEM of each major component should mention the local content in their solutions. (With reference to Make in India Order No. P-45021/2/2017-PP (B.E.-II) dated 15.06.2017 (subsequently revised vide orders dated 28.05.2018, 29.05.2019 and 04.06.2020) issued by Ministry of Commerce and Industry, Government of India and any amendments thereon)

Important Note:

- Complying to the above guidelines is not essential for participating in the EoI. However, the bidder should provide correct information, so that TIFR Hyderabad takes an informative decision for the RFQ stage.
- All claims regarding the local content should be supported by detailed breakup, valid justifications and OEM certificates.

15. TERMS AND CONDITIONS

- a) The OEM can participate through only one System Integrator and vice-versa.
- b) The OEM-SI pair participated in EoI should be same at the RFQ stage as well.
- c) The proposed solution/system in the EoI should be the same or next generation while participating in the RFQ. The bidder cannot quote a completely different solution than the one proposed in the EoI.
- d) EOI are invited from Manufacturers or their authorized dealers.

Preference may be given to local suppliers as per Department for Promotion of Industry and Internal Trade, Ministry of Commerce and Industry Order No. P-45021/2/2017-PP (B.E.-II) dated 15.06.2017 (subsequently revised vide orders dated 28.05.2018, 29.05.2019 and 04.06.2020) as amended from time to time.

Class - I Local supplier	Whose goods/service offered for procurement has local content equal to or more than 50% as defined below:
Class - II Local supplier	Whose goods/service offered for procurement has local content more than 20% but less than 50% as defined below
Non-Local Supplier	Whose goods/service offered for procurement has local Content less than 20% as defined below.

- e) Local content: Means the amount of value added in India, which shall, unless otherwise prescribed by Nodal Ministry, be the total value of item procured (excluding net domestic indirect taxes) minus the value of imported content in the item(including all custom duties) as a proportion of the total value, in percent.
- f) The above bidders/Firms are required to indicate percentage of local content and provide self-certification the items offered meet the local content requirement for Class - I Local Supplier/Class - II Local Supplier as the case may be. Further the bidder shall also give details of the location(s) at which the local value additions is made.
- g) False declaration will be in breach of the Code of Integrity under Rule 175(1)(i) (h) of the General Financial Rules 2017 for which a bidder or its successors can be debarred for up to two years as per Rule 151(iii) of the General Financial Rules along with such other actions as may be permissible under law.
- h) A supplier who has been debarred by any procuring entity for violation of above cited order shall not be eligible for preference under above order for procurement by any other procuring entity for the duration of the debarment.
- i) Requirement of Registration (Order No. F.No.6/18/2019-PPD dated 23-07-2020 of Department of Expenditure, Ministry of Finance, Government of India refers).**
- (a) Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority i.e., Registration Committee as constituted by Department of Promotion of Industry and Internal Trade, Ministry of Commerce and Industry, Government of India.
- (b) "Bidder" (including the term 'tenderer', 'consultant' or 'service provider' in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial judicial person not falling in any of the descriptions of bidder stated hereinbefore, including any agency branch or Officer controlled by such person, participating in a procurement process.
- (c) "Bidder from a country which shares a land border with India" for the purpose of this order means:

A	An entity incorporated, established, or registered in such a country;
B	A subsidiary of an entity incorporated, established, or registered in such a country; or
C	An entity substantially controlled through entities incorporated, established, or registered in such a country; or
D	An entity whose beneficial owner is situated in such a country; or
E	An Indian (or other) agent of such an entity; or
F	A natural person who is a citizen of such a country; or
G	A consortium or joint venture where any member of the consortium or joint venture fails under any of the above.

Further, the following certificate has to be submitted by the bidder/Firms:

“I have read the clauses regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that this bidder is not from such a country or, if from such a country, has been registered with the Competent Authority. I hereby certify that this bidder fulfills all requirements in this regard and is eligible to be considered.”

(Name & Signature of bidder)

Date:

16. SUBMISSION REQUIRMENTS

The interested suppliers are requested to submit their EoI bids on before the due date of submission along with the following forms:

S.NO.	FORM	Annexure
1.	Applicant's Consent Form	1
2.	Firm Contact Details	2
3.	Experience in related fields	3
4.	Additional Information	4
5.	Declaration	5
6.	Local Content & Associated Forms	6
7	EoI Technical Response Sheet by supplier/bidder.	7

Annexure - 1

Applicant's consent Form

To
Head, Administration & Finance,
Tata Institute of Fundamental Research,
Hyderabad.

Sub: Submission of Expression of Interest for the Establishment of Advanced High Resolution Mass Spectrometry Platforms for Omics and Native Mass Spectrometry Applications.

Dear Sir,

In response to the Invitation for Expression of Interest (EOI) published on _____ for the Establishment of Advanced High-Resolution Mass Spectrometry Platforms for Omics and Native Mass Spectrometry Applications, , we attach following documents:

- a. Firm Contact Details (Annexure - 2)
- b. Experience in related fields (Annexure -3)
- c. Additional Information (Annexure - 4)
- d. Declaration (Annexure - 5)
- e. Local Content & Associated Forms (Annexure - 6)
- f. EoI Technical Response Sheet (Annexure - 7)

Signature of the Applicant

Stamp & Date

Note : This is to be furnished on the letter head of the organization

Annexure - 2

FIRM CONTACT DETAILS		
1	Name of the Organization:	
2	Name of the Contact Person: a) Name: b) Address c) Telephone: d) Fax: e) E-Mail:	
3	Year of Incorporation	
4	Type of Organization Public Sector/ Limited/Private Limited/ Partnership/ Proprietary/ Society/ Any other	
5	Category of the firm: Large/Medium/Small scale unit	
6	Address of the Registered Office:	
7	Number of Offices with addresses (Excluding Registered Office): a) India b) Abroad	
8	Certificate of registration as a manufacturing unit	
9	Permanent Account Number	
10	GST Number	
11	Status of ISO Certification	
12	List of products/technologies worked with as regular activity in last three years. Give the list of products/technologies with general specifications and the customers.	
13	Whether the Organization has been blacklisted by any Central /State Government Department Organization	Yes/No

Signature with Name & Seal:

Place:

Date:

Annexure - 3

Experience in Related Fields		
Overview of the past experience of the Firm		
S.No	Item	Particulars
1.	Experience & Details of work done with any Govt/Public Sector Undertaking /Autonomous/Universities /R & D Organization	
2.	Experience & Details of manufacture/supply/work done with other than S.No.1	
3.	Experience & Details of Work done in India	

Signature of the applicant _____

Full Name of the applicant _____

Stamp & Date _____

ANNEXURE - 4

Additional Information		
g. List of attachments related to the previous sections		
S.No	Item	Particulars
1.		
Additional information to support the eligibility (Not more than 2 pages)		

Signature of the applicant _____

Full Name of the applicant _____

Stamp & Date _____

ANNEXURE - 5

Declaration

We hereby confirm that we are interested to participate with TIFR-H in The Establishment of Advanced High-Resolution Mass Spectrometry Platforms for Omics and Native Mass Spectrometry Applications and all the information provided herewith is genuine and accurate to the best of our knowledge.

We also confirm that our firm has not been blacklisted or has any litigation or any conflict of interest that may impact on the delivery of services.

Authorized Person's Signature :

Name and Designation :

Date of Signature :

Note: This declaration is to be furnished on the letter head of the organization.

ANNEXURE - 6

Annexure - 6-A

Format for declaration by the Bidder on Non-applicability of Exclusion from Restrictions under Rule 144 (xi) of the General Financial Rules (GFRs), 2017 (On Letter Head of the bidder)

(Ref: - Govt. of India, Ministry of Finance, Dept. of Expenditure Order No. F.No.6/18/2019-PPD dated 23.07.2020 {Public Procurement No.1} and subsequent orders on the subject)

Ref. No: _____ Date _____

To
Head, Administration & Finance,
Tata Institute of Fundamental Research,
36/P, Gopanpally Village, Serilingampally Mandal,
Ranga Reddy District, Hyderabad 500046

Sir/Madam

With reference to your EOI No. _____ dated _____ I/We hereby undertake that "I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I hereby certify that this bidder is not from such country or, if from such a country, has been registered with the Competent Authority. I hereby certify that this bidder fulfills all requirements in this regard and is eligible to be considered.

Thanking you,

Yours sincerely,

Signature (Name of the Authorized Signatory)

Company Seal

"[Where applicable, evidence of valid registration by the Competent Authority shall be attached]"

Self-Certification Form for Minimum 50% or for Minimum 20% Local Content (on Letter Head)

1. Ref: DPIIT Order No. P-45021/2/2017-PP (B.E.-II) dated 15.06.2017 (subsequently revised vide orders dated 28.05.2018, 29.05.2019 and 04.06.2020 issued by Ministry of Commerce and Industry, Government of India and any amendments thereon).
2. Ref: Rule 153 (iii) of General Financial Rule – GFR (GoI)

This is to certify that percentage of local content against TIFR-H EOI No.
 dt.....and our Ref. No..... dt. is
Percent (In Words.....) class/local
 supplier.

Local content value added- (PERCENTAGE)	
State:	
District:	
Place:	

Thanking you,
 Yours sincerely,

(Name of the Authorized Signatory)

Signature

Company Seal:

ANNEXURE - 7

Supply, Installation, Commissioning and Maintenance of Advanced High-Resolution Mass Spectrometry Platforms for Omics and Native Mass Spectrometry Applications.

EoI Technical Response Sheet

The bidder is requested to fill this response sheet in the 3rd column and may provide relevant references and remarks in the 4th column. No field in the 3rd column should be left blank. Please write “Not Applicable”, if any information is not relevant to the proposed solution.

1 st	2 nd	3 rd	4 th
S.No.	Information Sought by TIFR Hyderabad	Proposed by supplier/bidder	Remarks / Reference
	Name & Nature of the bidder Submitting the quotation		Indicate the status of the supplier/bidder
	Technical Specifications		
1.	<p>The systems should be high-resolution, high-mass-accuracy mass spectrometer designed for proteomics, quantitative proteomics, PTM analysis, lipidomics, metabolomics, Native MS, and single-ion mass spectrometry/Charge Detection Mass Spectrometry applications.</p> <p>The system may include either a single integrated platform capable of supporting denaturing omics workflows and native/high-mass workflows;</p> <p align="center">or</p> <p>Two separate dedicated platforms: One HRMS platform optimised for proteomics, metabolomics, lipidomics, quantitative omics, and peptide-centric workflows and another one high-mass/native mass spectrometry platform optimised for intact protein complexes, membrane protein assemblies, nanodiscs, vesicle-native MS, and Charge Detection Mass Spectrometry (CDMS).</p>		
2.	The omics platform must support both Data-Dependent Acquisition (DDA) and Data-Independent Acquisition (DIA) for qualitative and quantitative analyses.		

3.	The systems should be compatible with: a. nanoLC workflows for proteomics b. UHPLC workflows for metabolomics and lipidomics.		
4.	The systems should support: a. Label-free quantitation (LFQ) b. Multiplexed isobaric labelling workflows		
5.	The instrument should support orthogonal separation of co-eluting isobaric or singly charged species using Differential Ion Mobility or equivalent ion mobility technology.		
6.	LC and MS platforms should preferably be supplied by the same manufacturer for seamless integration, connectivity, and operational compatibility.		
