



CSIR-IIIM

सीएसआईआर-भारतीय समवेत औषध संस्थान

CSIR-INDIAN INSTITUTE OF INTEGRATIVE MEDICINE

केनाल रोड, जम्मू-180001/ Canal Road, Jammu -180001

0191-2585032. Tele Fax: 2585032 GSTIN-01AAATC2716R1ZT

Website: <http://www.iiim.res.in> Email: purchase@iiim.ac.in

EXPRESSION OF INTEREST (EOI)
FOR
SUPPLY INSTALLATION TESTING AND COMMISSIONING OF
MALDI-TOF

EOI No. 06(04)/2025/EOI

Dated: 03.07.2025

About the Organization

CSIR-Indian Institute of Integrative Medicine, Jammu established in 1941, is a constituent laboratory of Council of Scientific and Industrial Research (CSIR), New Delhi, with its expertise in Natural Product driven drug discovery. It provides solutions to challenges faced by Industry, Government Departments and Entrepreneurs through basic and applied research and process development. It is internationally recognized for its contributions to biotechnology research and is an ideal place for taking ideas to commercialization through state of the art research and development in the area of fermentation technology.

CSIR-Indian Institute of Integrative Medicine, during its yesteryears journey, has made its mark as a dynamic, innovative and result oriented R&D Organization. The clientele spans all corners of the world. In India, CSIR-IIIM is one of the oldest National laboratories and the reliable destination of Natural product chemistry and biotech Industries.

CSIR-Indian Institute of Integrative Medicine has several projects in hand, carried out in-house or in collaborative mode with premier academic and research institutions in the country and abroad.

With the above background, An Expression of Interest (EOI) is initiated at CSIR-IIIM with the prospective manufacturers, their authorized channel partners or agents/ Suppliers and system integrators to discuss with the Technical committees on the aspects of utility, technology, feature, literature, design, technical parameters, clientele and other related issues of the equipment and material for the following equipment to be procured for CSIR-IIIM, Jammu.

S.No	File / Ref.No.	Item Description
01	06(04)/2025/EOI	Supply, Installation, Testing and Commissioning of MALDI-TOF

INSTRUCTION TO TENDERERS

Invitation for Expression of Interest

1. The Director, Indian Institute of Integrative medicine (IIIM), Canal Road, Jammu Tawi 180001 hereby invites expression of interest from manufacturer, their distributors and Indian agents of foreign principals, if any for ***Supply, Installation, Testing and Commissioning of MALDI-TOF.***
2. The bidding document can be downloaded free of cost directly from Central Public Procurement Portal (CPPP) of government of India website <http://etenders.gov.in/eprocure/app> and CSIR-IIIM Website www.iiim.res.in
3. Only those bidders are eligible to participate in this expression of interest who have two or more installation in India in which at least one should be in CSIR/IIT/ICAR/ICMR like govt. Research Institution.
4. Schedule for Submission: EOI proposal complete in all aspect with the copies of the required documents may please be submitted online through CPP Portal of Govt. of India, Website <http://etenders.gov.in/eprocure/app> The prospective bidders should adhere to due dates specified Tender Details corresponding to this Tender. The schedule for submission of proposals and opening of proposals is as follows:

S. No.	Stage	Date & Time
1.	Publish Date & Time	03-07-2025 06.00 PM
2.	Sale/document Download Start Date & Time	03-07-2025 06.00 PM
3.	Clarification End date	10.07.2025 06.00 PM
4.	Proposals Submission Start Date & time	10-07-2025 06.00 PM
5.	Proposals Submission End Date & Time	23-07-2025 3.00 PM
6.	Proposals Opening Date & Time	24-07-2025 03.00 PM

5. All prospective bidders are requested to kindly submit their queries, if any to the address indicated above so as to reach the office Stores and Purchase Officer, CSIR- Indian Institute of Integrative Medicine, Canal Road Jammu-180001 latest by **10.07.2025**
6. Presentation by bidders is schedule for **29.07.2025 at 10:00 AM onwards**, Venue is **Board Room, CSIR-IIIM, Jammu**. Interested bidders are requested to send email to purchase@iiim.ac.in confirming their willingness for making their presentation, on or before **10.07.2025**.
7. The bidders representatives who will make the presentation should possess all the technical details of the machinery, its capacity, complete information on the company, previous experience, various technologies

involved, service centres available in India and financial capabilities to execute project. The representative should be capable enough to answer all queries of the Technical Sub-Committee. (TSC).

8. The Technical Sub-Committee shall finalize the specifications after knowing / obtaining details about relevant/available technology in the market suiting to the requirement and R&D needs of our Laboratory.
9. For evaluating the responses, CSIR-IIIM may call for further presentations of their case in person or presentation can be considered via video conferencing also.
10. The director IIIM Jammu reserved the right to accept or reject any for all EOI/tenders/offers or withdraw the notice at any stage of processing without assigning any reason whatsoever, such an event would not cause obligation of any kind to CSIR-IIIM.

Sd/-
Stores & Purchase Officer
(For and On behalf of The Council of
Scientific & Industrial Research)
0191-2585032. purchase@iiim.ac.in

1. Introduction:

CSIR-IIIM is planning to procure a **MALDI-TOF (Quantity 01)** for R&D activities of the Institute.

2. Objective:

The objective of this EOI is to receive complete technical proposals, detailed specifications of various machinery/process involved, study drawings, study plan, layouts, understand various technologies, understand bidders capabilities to execute such supplies and then finalize specifications, list of machinery/items etc and also set eligibility criteria for bidders etc.

3. Scope of Supply:

Details about specific R&D application needs and general requirements of the instrument are provided below. However, the exact detailed technical requirements and specifications will be finalized in discussion with the expert committee.

Tentative basic technical specifications are given below.

TECHNICAL SPECIFICATIONS FOR MALDI – TOF

SCOPE OF THE INSTRUMENT

- The instrument should be fully automated with suitable software and flexible to operate in negative and positive ion modes with excellent mass resolution, sensitivity, and accuracy.
- The instrument should be capable of operation in Positive as well as Negative ion modes covering with full features, such as Identification, Molecular Characterization and analysis of proteins, peptides, polymers; Post Translational Modification (PTM) analysis; gel based and non-gel-based applications from various sources like plants, microbes, fungi, marine and Nutraceuticals.

Sr No	Description	Requirement details
1.	Operation modes & mass analysers	<ul style="list-style-type: none">• Linear with full scan function• TOF• Low Mass scan functions
2.	Mass range	<ul style="list-style-type: none">• Broadband mass resolving power upto 50,000• Linear mode: 1 Da to 500 kDa• Reflection mode: 1 Da to 700 kDa
3.	Mass resolution	<ul style="list-style-type: none">• Linear ≥ 6000 FWHM• Reflection ≥ 25000 FWHM• MS/MS ≥ 10000 FWHM
4.	Mass accuracy	<ul style="list-style-type: none">• Linear ≤ 20 ppm with internal calibration• Linear ≤ 150 ppm with external calibration

		<ul style="list-style-type: none"> • Reflection ≤ 2 ppm with internal calibration • Reflection ≤ 20 ppm with external calibration • MS/MS ≤ 50 ppm
5.	Mass sensitivity	<ul style="list-style-type: none"> • ≤ 250 Femtomole
6.	Ion gate resolution	<ul style="list-style-type: none"> • 500 FWHM
7.	Laser Technology	<ul style="list-style-type: none"> • Laser-irradiation self-cleaning Ion source: ensures robust, long-term highest-performance operation. • Equipped with nitrogen laser preferably 335 to 355 nm • Scanning speed: 2kHz speed in TOF mode and 1kHz in TOF/TOF mode • Variable pulse rate: 1Hz to 2000Hz
8.	Detectors	<ul style="list-style-type: none"> • Linear mode: Electron multiplier • Reflection mode: ultra-fast electron multiplier
9.	DATA SYSTEM & SOFTWARES	<ul style="list-style-type: none"> • Branded Workstation with latest configuration, one for data acquisition and two for data processing. Processor Intel core i7 @ 3.40 GHz, RAM - 32 GB, Storage - 1TB SSD and 1TB harddisc, Screen - 24 inch or more, DVD write drive, wireless network capability, key board and mouse. Licensed version of operating system equivalent to Windows professional OS & MS-Office professional and driver with original CD. • Software module for analysing small molecules and identification of novel molecules. • Software for MS spectra annotation • Software module for Complete Molecular Characterization and analysis of polymers.
10.	Software functionality	<ul style="list-style-type: none"> • LC-MALDI acquisition software • MALDI imaging software • Software for automatic setting of the precursor ion gate and acquisition of MS/MS spectra • Sample target & raster design editor • Automated raster software for scanning scanning samples with circular or rectangular rasters • Tools to generate peak lists • Export .mgf files and access internet or intranet protein database search engines (Mascot from Matrix science)
11.	Database	<ul style="list-style-type: none"> • Should be integrated with a ready-to-use reference library • The database should have automatic regular updates when available • It should have an open architecture to allow customized in-house library generation
12.	ACCESSORIES	<ul style="list-style-type: none"> • Oil-free vacuum pumps

		<ul style="list-style-type: none"> • 48 well sample target or better. Tissue sample handling capability • 2 Suitable Gas cylinders and regulators should be provided <ul style="list-style-type: none"> A. Helium Cylinder - 2 Nos. B. Nitrogen Cylinder - 2 Nos. C. Helium Regulator - 2 Nos. D. Nitrogen Regulator- 2 Nos. • MALDI – TOF Standards for the quoted mass range should be supplied. <ul style="list-style-type: none"> A. Calibration kit – 1 Nos. B. Matrices for sample analysis (5 Nos) • The equipment is mounted with a non-vibration stage and Lab weather-controlling system. • 15 KVA On-line UPS with SMF battery for more than one-hour backup
13.	TRAINING	<ul style="list-style-type: none"> • The vendor should provide three years of training for our manpower on a time-to-time basis.
14.	WARRANTY	<ul style="list-style-type: none"> • Five years comprehensive warranty followed by three years of AMC.
15.	OPTIONAL	<ul style="list-style-type: none"> • Software-driven UV/IR laser-based cleaning • Licensed Software related to proteomics identification and Molecular characterization, peptide sequence analysis, and characterization of Dendrimers, Supramolecular assemblies, oligonucleotides, and Nucleic acids to be offered. • The sample pre-processing accessories (Wet Lab) for proteins, peptides, polymers, biopolymers, tissue imaging, crude extract from plants, and other sources.
16.	IQOQ	<ul style="list-style-type: none"> • Vendor has to perform IQOQ of the entire system.

4. Eligibility Criteria:

Technical:

1. Original Equipment manufacturers (OEMs)/Authorized agent who have proven expertise in successful supply and installation criteria of **MALDI-TOF**. The bidder should have successfully supplied and installed at least one **MALDI-TOF** of similar specifications in any CSIR/IIT/ICAR/ICMR like Govt. research institutions. Documentary evidence to this effect shall be attached to the EOI/Proposal.

Commercial:

1. The bidder should not have been black listed/holiday listed by any other CSIR Laboratory, or by any other R&D organization or by Government of India. A self declaration letter in this regard must be enclosed.

2. Proposals:

i) Technical:

- a) A detailed specifications of various machinery/Instruments involved supported by technical brochures/data sheets in English. The bidder shall provide the complete technical information (without any IP related material) with specific OEM name, Model no. etc.
- b) Write up/detailed brochure/datasheets on the technologies/techniques involved.
- c) Electrical requirements-Voltage, frequency, single phase, three phases. Total power consumption in kwh.
- d) Requirement of special foundation/flooring for each machine. If required, then clear details.
- e) Plant lay out drawing in English. Dimensions must be in Metric (mm/cm/metres)
- f) Other utilities required.
- g) Backup power supply like diesel generator requirements
- h) Total space for plant requirements.

ii) Bidder Information:

- a) Company Information: Status of bidder, registration certificate and detailed write up about bidder history.
- b) Details off Personnel: Details of all key technical, commercial and Service personnel.
- c) Details of Production Capacity, location of factory involved in production of machinery etc.
- d) Details of financial information about company in the last 3 years , like turnover, copies of audited balance sheet etc.
- e) Copy of solvency certificate from banker.
- f) Details of Service Setup in India.
- g) Self Certified letter about holiday listing/black listing in bidder letter head.
- h) If dealer/authorized channel partner/distributor etc. manufacturer authorization letter.
- i) Copies of Purchase Orders / Contracts of similar supply made in the last 2 years and the performance certificate from respective clients.
- j) The bidder shall indicate the timelines necessary for supply/installation/Commissioning and demonstration of the items under scope of work.

Similar Work Experience Details:

S. No.	Name of the Work with Location	Date & Ref. No. of completion certificate (if available)	Date of Start/Cost of Work	Ref. Document (Work order/Work completion certificate to be attached) mention pg no.

3. Other Terms and Conditions:

a) Purchase of EOI Document:

The expression of Interest document shall be downloaded from Central Public Procurement Portal (CPPP) of Government of India website <http://etenders.gov.in/eprocure/app> and CSIR-IIIM website www.iiim.res.in free of cost.

b) Clarification on the EOI Document:

Any clarification in the EOI document may be sent in writing to the following through email: purchase@iiim.ac.in

However, no extension of the time or date of EOI submitted will be provided on the ground that CSIR-IIIM has not responded to any query/clarification raised by any bidder.

c) Amendment of Terms and Conditions of EOI:

CSIR-IIIM may at its discretion or as a result of a query, suggestion or comment of an bidder, may modify the EOI document by issuing an amendment or a corrigendum at any time before opening the EOI. Any such Addendum or Corrigendum will be uploaded on CPPP portal <http://etenders.gov.in/eprocure/app> and CSIR-IIIM's website and the same will be binding on all the bidders, as the case may be.

CSIR-IIIM as its discretion may extend the due date of submission of EOI and the decision of CSIR-IIIM in this respect would be final and binding on the respondents. In the event of changes in the time and schedule, CSIR-IIIM shall notify the same only through its CSIR-IIIM website www.iiim.res.in. Interested bidders are advised to check the above website regularly for corrigendum/addendum, if any, which will be published only in the website.

No oral modification or interpretation of any provisions of this EOI shall be valid. Written communication shall be issued by CSIR-IIIM when changes, clarifications or amendments of the EOI document are deemed to necessary by CSIR-IIIM at its sole discretion.

EOI submission should be in English language. EOI response should be free from correction, over writing, erasures etc. Duly authorized representative of the Applicant shall sign on each page of the EOI documents. EOI documents should be prepared in such a way so as to provide a straight forward, concise description of Applicant and capabilities to satisfy the requirements of this EOI.

If at any time during the examination, evaluation and comparisons of EOI, CSIR-IIIM at its discretion can ask the bidder for the clarification of its EOI, The request for clarification and the response shall be in writing. However, no post submission of EOI, Clarification at the initiative of the bidder shall be entertained.

Canvassing by respondents in any form, including unsolicited letters on EOI submitted or post correction shall render their EOI response liable for summarily rejection.

The cost or charges incurred in preparation and submission of EOI response shall not be entitled by any respondent.

Conditional offers will be summarily rejected. EOI which is found to be incomplete in content and / or attachments and / or authentication etc. is liable to be rejected.

No Agents/Agents or third party/parties are engaged by CSIR-IIIM in this process.

CSIR-IIIM is not responsible for any firm/agency expression or representing to express himself/herself/themselves to be the agent or third party representing CSIR-IIIM in this process.

It is advised to deal directly with CSIR-IIIM representative who is the signatory to this document. Disregard of any instruction may result in offer being ignored.

EOI that are incomplete in any respect or those that nor consistent with the requirement a specified in this document may be considered non-responsive and may be liable for rejection and no further correspondence will be entertained with such bidders.

All cost and expenses associated with submission of EOI will be borne by the bidder while submitting the EOI. CSIR-IIIM shall have no liability, in any manner in this regard, or if it decides to terminate the process of short listing for any reason whatsoever.

NON-COMMITTAL EOI

After short listing of bidders at this stage, the second stage bidding may not be restricted to short listed bidders only and CSIR-IIIM may resort to Open/Global Tendering for further participation by potential bidders. This may please be noted by all the concerned.

Stores & Purchase Officer
(For and On behalf of The Council of
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