



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

IISER MOHALI

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 (1532)21/22-Pur

Dated: 18th February 2022

ई -निविदा आमंत्रण सूचना/NOTICE INVITING E-TENDER

गैस क्रोमैटोग्राफ मास स्पेक्ट्रोमीटर (जीसी-एमएस) उपकरण की आपूर्ति, स्थापना और कमीशनिंग के लिए निदेशक, आईआईएसईआर मोहाली की ओर से तकनीकी विनिर्देश और नीचे दिए गए विवरण और मूल से बीओक्यू सूची के अनुसार सहायक उपकरण के साथ ऑनलाइन निविदाएं आमंत्रित की जाती हैं। सीपीपीपी यानी <https://eprocure.gov.in/eprocure/app> पर निर्माता/आपूर्तिकर्ता। 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, Installation and commissioning of Gas Chromatograph Mass Spectrometer (GC-MS) instrument 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 (एसएंडपी) /Assistant Registrar (Store & Purchase)

NOTE: This is a domestic Tender according to the DPIIT Order dated 15/07/2017 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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शिक्षा मंत्रालय, भारत सरकार द्वारा स्थापित

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ई -निविदा आमंत्रण सूचना/ E-TENDER NOTICE

Tender Ref.- IISERM(1532)21/22-Pur

Dated : 18th February 2022

Critical Date Sections

| Sr. | Description | Date | Time |
|-----|--|--------------------------------|--------------|
| 1. | Tender Publishing Date and time | 18 th February 2022 | 6:00pm |
| 2. | Tender Document download start Date & Time | 18 th February 2022 | 6:00pm |
| 3. | Bid Submission start Date & Time | 18 th February 2022 | 6:00pm |
| 4. | Bid Submission End date and Time | 10 th March 2022 | Upto 11:00am |
| 5. | Tender opening Date and Time | 11 th March 2022 | At 11:30am |

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. Tender fee in shape of Demand Draft of Rs 590/- (Non-refundable) should be submitted by bidder in favour of the Registrar, IISER Mohali payable at Mohali or 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. The hard copy (if tender fee is paid) of the same in original to be sent to the address mentioned below duly superscribing the supply/work name and reference/tender ID on the envelope and same must reach before opening of the bid and if not received before due date the bid will be summarily rejected. **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 for availing exemption to submit Tender Fee.

The Original Tender Fee should be sent to (if not paid online/NEFT):

Assistant Registrar (P&S)

Indian Institute of Science Education and Research Mohali Sector-81, Knowledge City, SAS Nagar, Mohali, Punjab, India, Pin: 140306

Non-receipt of original Tender Fee will lead to ejection of tender.

ITEM WISE DETAILS

| Sr. No. | Description | Qty. (in units) |
|---------|--|-----------------|
| 1. | <p>SUPPLY, INSTALLATION AND COMMISSIONING OF GAS CHROMATOGRAPH MASS SPECTROMETER (GC-MS) INSTRUMENT WITH ACCESSORIES.</p> <p><u>TECHNICAL SPECIFICATIONS: AS PER ANNEXURE-III</u></p> <p>Note: 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.</p> <p>2. 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 <u>Technical Compliance Sheet.</u></p> | 01 |

A) IMPORTANT NOTES:-

- I. This is a domestic Tender according to the DPIIT Order dated 15/07/2017 and subsequent amendments to the order for Public Procurement Preference & PROVISION FOR LOCAL SUPPLIERS TOWARDS PREFERENCE TO MAKE IN INDIA. Bidders should also give details of Localtions(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 form 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. If quotation is submitted/filled by any representative/agent/dealer then they must upload a authority certificate from the principal company.**
- 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 except tender fee and Annexure I (Bid Securing Declaration Form). Late tenders will not be accepted.**

- II. The online bids shall be opened at the office of the Assistant Registrar (P&S), 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 duly filled in and stamped by the authorized signatory on each and every page. Tender not submitted/uploaded in the prescribed form and as per the tender terms and conditions shall be liable for rejection.
- IV. The bidder shall upload scanned copy of the PAN Card, GST number duly signed and stamped. **Also 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. THE INSTITUTE IS EXEMPTED FROM CUSTOM DUTY under notification no-TU/V/RG-CDE(1062)/2016 CUSTOM DT. 12.10.2018.
6. Tax: This Institute is not exempted from the payment of GST. The current rate (i.e. percentage of GST should be clearly indicated included or excluded) wherever chargeable. Please also provide/upload the copy of PAN card, GST number duly self-attested.
7. Concessional GST is applicable for all the items purchased for Research labs vide Ministry of Finance, notification no. 45/22017 dated 14.11.2017 and 47/2017 dated 14.11.2017.
8. 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.

9. The delivery period should be specifically stated. Earlier delivery will be preferred.
10. **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**. 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.
11. 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.
12. Validity of offer: 90 days.
13. The warranty 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 @ 3% of the value of supply order, in terms of *Ministry of Finance, DoE, GOI, OM. No. F.9/42020-PPD dated 12-11-2020 and extension of vide circular no. F.9/4/2020-PPD dated: 30th December 2021* as per norms may be sought from the firms.
14. 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>
15. Disputes, if any, shall be subject to jurisdiction in the court of Mohali only.

-Sd-

सहायक कुलसचिव (एसएंडपी) /Assistant Registrar (Store & 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]

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

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

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.

ANNEXURE-III

Supply, Installation and commissioning of Gas Chromatograph Mass Spectrometer (GC-MS) Instrument:-

Technical Specifications:

(I) General:

1. Fully automated system with programmable controls for injector, detector, purge gas, etc.
2. Instrument should be compatible to desktop computer based user interface with a backup in-built operating system.
3. System should support two injectors and two detectors and they should be fully automated.
4. All modules asked in tender should be controlled with single software, and the software should come with perpetual license.
5. System should be suitable for all mass capillary columns

(II) GC Oven:

1. Temperature range: ambient to 450 °C
2. Maximum oven heating rate: 100 °C/min or above
3. Cool down time from 450 °C to ambient temperature in less than 5 minutes or better.
4. Programmable ramps and plateaus: a minimum 8 ramps and 9 Plateaus or better
5. Temperature set point resolution: 1 °C.
6. Should be able to accommodate two capillary columns

(III) Programmable Split/split less capillary injector:

1. Temperature-programmable inlet with an operating range of ambient to 400 °C or better
2. Programmable inlet with 5 ramps or better (optional)
3. Split Ratio: 6500:1 or better
4. Pressure setting range: 0 to 100 psi or better with compatible column internal diameter – provide details about the pressure range versus column diameter, and their compatibility

(IV) Auto Sampler:

1. Suitable vial capacity for analysis of at least 12 samples or better
2. Injection speed: should be programmable
3. Capable to inject sample volume: from 1uL to 20.0 uL or better

(V) FI detector:

1. Fully PC controlled; should also be controlled by the in-built software
2. MDL: < 1.5 pg c/s or less.
3. Dynamic range: > 10⁷ or better
4. Data acquisition rate: up to 500 Hz or better.
5. In line with the oven temperature, the temperature range should be up to 450 °C

(VI) MS detector:

1. Fully PC controlled; should also be controlled by the in-built software
2. Ion Source operating temperature: Programmable upto 300 °C or better
3. System must have EI (Electronic ionization), upgradable to CI (chemical ionization)
4. Mass range: m/z up to 1000 amu or better
5. Scan rate upto 15,000 amu/sec or better
6. EI Voltage: 50 eV or better
7. Detector: High sensitivity electron multiplier detector.
8. Pumping system: single 250 L/sec turbo molecular pump or better
9. Resolution: MS must have at least 1 amu mass resolution.
10. Data Collection: Full Scan & Selected Ion Monitoring (SIM).

11. EI scan sensitivity: 1500:1 S/N for 1 pg OFN.
12. Libraries: original, licensed latest version of NIST 2020 library in CD and dongle.
Complete details including catalogue number and retention indices

(VII) Software:

1. System should be quoted with 64 bit original licensed software needed to control the entire system along with original CDs for GC as well as MS. Should also come with single point control of all GC-MS and its modules, customizable report.
2. Imports information directly from the acquisition method.
3. Compatible with mac/windows 10
4. Automatic adjustment of retention time/RT Locking without use of external standards.

(VIII) Columns:

1. Low bleed 30-meter capillary columns: 5% diphenyl dimethyl polysiloxane -01 and polyethylene glycol-01 with OEM part numbers; Wax or equivalent column
2. Quote any additional recommended columns under optional category.

(IX) Other essentials:

1. **Gas Cylinders & Gas Purification Panel:** Helium Gas cylinders (01), Hydrogen Gas Cylinder (01), Zero Air Gas Cylinder (01), Nitrogen Gas Cylinders (01), double stage ISI marked SS regulators for each cylinder, purification panels, Tubing, Fitting with all associated material.
2. **Wall-mount gas purification system** for He, N2, H2, Zero air
3. **Air Compressor with 5 years warranty**
 - Convert ambient air to compressed air
 - noise free, portable with least vibrations
4. **Online UPS:** Suitable on-line UPS with at least one hour back up
5. **Computer:** OEM PC or Intel i7 processor with Windows desktop (i5 or better processor with Mac). 22 inch screen or better. Full HD monitor. HDD minimum 500 GB. Minimum 16 GB RAM. Optical DVD Recordable, wired and wireless operating system with latest operating system for Mac/Windows, Mouse and Keyboard.
6. **Printer:** compatible Laser printer with a resolution of 1200 x 1200 dpi or better.

(X) Warranty:

5 years warranty on complete system including Gas Chromatograph, Autosampler, Computer, Printer, UPS and all other associated components.

(XI) Consumables:

1. Should be quoted with standard part numbers
2. Should not be quoted as optional items
3. Any additional instrument-specific consumables should be provided

| Description | Qty |
|-----------------------------------|---------|
| Auto-sampler Syringe | 5 |
| Liner for split/splitless mode | 5 |
| Compatible Ferrules for MS | 10 |
| Filaments | 5 |
| Vacuum Pump Oil | 10 ltrs |
| 2 ml Vials with screw caps | 2000 |
| Screw Caps & Septa for 2 ml vials | 2500 |
| Inlet Septa | 500 |
| Jet for FID | 2 |
| Column nut for FID | 10 |
| Column nut for MS | 10 |
| Calibration standard for EI Mode | 1 |
| Column cutter | 1 |
| O-rings 20 | 20 |
| Glass wool | 1 |

(XII) Training:

1. Installation and comprehensive training related to operation, calibration, maintenance, and safety should be given at our lab with no additional charge. Vendor should also address queries over phone and email.
2. The vendor should have office or agents in India (preferably in Chandigarh/Mohali region).
3. Qualified service and maintenance of the instrument by the direct company personnel is preferred.

(XIII) Others:

1. All the requirements laid down under the above specifications must carefully read and understood before claiming your instrument as "complied".
2. Provide compliance sheet along with the technical bid, any deviation from the aforementioned specifications should be clearly highlighted in the remarks section.
Any deviation from the above two conditions will be considered as violation

(XIV) Optional Items:

1. Hydrogen generator with 5 year warranty:
 - 99.999% or better purity of hydrogen
 - > 100 cc/min flow rate or better
 - Automatic, portable, reliable and durable
2. Nitrogen generator with 5 years warranty:
 - 99.999% or better purity of nitrogen
 - >250cc/min flow rate or better
 - Automatic, portable, reliable and durable
3. Zero air gas generator with 5 year warranty:
 - >1500 cc/min flow rate or better
 - ultra-pure with < 0.05ppm total impurities

(XV) AMC terms and conditions: Additional 3 years after completion of warranty period (5 years)