



भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान मोहाली

मानव संसाधन विकास मंत्रालय, भारत सरकार द्वारा स्थापित
सैक्टर 81, नॉलेजसिटी, प॰ओ॰ मनोली, ए॰ ए॰ एस॰ नगर, मोहाली, पंजाब 140306
INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH MOHALI
(Established by Ministry of Human Resource Development, Govt. of India)
Sector-81, Knowledge city, PO-Manauli, SAS Nagar Mohali-140306, Punjab
PAN No. - AAAAI1781K GST: 03AAAAI1781K2ZS

• Phone : +91-172-2240086 & 2240121 • Fax : +91-172-2240124, 2240266 • <http://www.iisermohali.ac.in> • Email: stores@iisermohali.ac.in

CPPP/Institute Website

IISERM (1188)18/19-Pur

Dated: 13.03.2019

NOTICE INVITING E-TENDER

Online tenders are invited on behalf of Director, IISER Mohali in **TWO BID SYSTEM** for **Supply and installation of High Performance Liquid Chromatograph (HPLC) System** from reputed companies/firms/ individuals/ societies etc. those are in the similar business 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-

(Mukesh Kumar)
Assistant Registrar (S&P)



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E-TENDER NOTICE

Tender Ref.- IISERM(1188)18/19-Pur	Dated : 13 th March, 2019
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Critical Date Sections

Sr.	Description	Date	Time
1.	Tender Publishing Date and time	13 th March, 2019	6:00pm
2.	Tender Document download start Date & Time	13 th March, 2019	6:00pm
3.	Bid Submission start Date & Time	13 th March, 2019	6:00pm
4.	Bid Submission End date and Time	04 th April, 2019	Upto 11:00am
5.	Tender opening Date and Time	05 th April, 2019	At 11.30 am

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 DD/Banker Cheque of Rs 590/- (Non-refundable) and EMD of Rs. 36,000/- should be submitted by DD /Banker Cheque/FDR/ Bank Guarantee in favour of the Registrar, IISER Mohali payable at Mohali. However, scanned copy of the both tender fee and EMD should be upload on website along with technical bid part. The hard copy of the same in original to be send to the address mentioned below duly superscribing the supply/work name and reference/ tender ID on the envelope and same must reach before opening the bid and if not received within due date the bid will be rejected summarily.

The Original EMD and Tender Fee should be sent to:

Assistant Registrar (S&P)
Indian Institute of Science Education and Research,
Mohali Sector 81, SAS Nagar, Mohali, Punjab,
India, Pin: 140306

Non-receipt of original EMD and Tender Fee will lead to rejection of tender.

Item Details:

S. No.	Details of Specifications of the Stores	Qty. (in units)
1.	<p data-bbox="183 219 1350 257"><u>Supply & installation of High Performance Liquid Chromatograph (HPLC) System</u></p> <p data-bbox="183 324 501 358"><u>Technical Specifications:</u></p> <p data-bbox="183 358 1350 481">An Automatic & Modular computer controlled High Performance liquid chromatograph system with suitable software equipped with a Quaternary pump, Auto sampler with auto dilution and auto derivatization facility, Column Compartment, RI Detector and Software for alcohols, Sugars and Organic Acids analysis, as per the following technical specifications.</p> <ol data-bbox="231 504 1350 1948" style="list-style-type: none"><li data-bbox="231 504 1350 974">1. Pump: Quaternary Pump<ol data-bbox="279 537 1350 974" style="list-style-type: none"><li data-bbox="279 537 1350 593">a) Flow Rate: Set Point from 0.05 or lower to 8.0 ml/min or higher with 0.01 ml/min or lower increments.<li data-bbox="279 593 1350 660">b) Hydraulic System: Dual piston in series pump with servo-controlled variable stroke drive, power transmission by gears and ball screws, floating pistons.<li data-bbox="279 660 1350 694">c) Flow Accuracy: +/-1% or 10 µl/min or better<li data-bbox="279 694 1350 728">d) Flow Precision: ≤ +/- 0.08% RSD or better<li data-bbox="279 728 1350 761">e) Pressure Range: 5500 psi or higher<li data-bbox="279 761 1350 795">f) 4 channel or more vacuum Degasser for solvent degassing<li data-bbox="279 795 1350 884">g) Early maintenance feedback (EMF) for continuous tracking of instrument usage in terms of seal wear and volume of pumped mobile phase with pre-defined and user settable limits and feedback messages.<li data-bbox="279 884 1350 940">h) Fast and easy maintenance: Pump should have front access to all maintenance parts to change components quickly without disassembling the instrument.<li data-bbox="279 940 1350 974">i) Module should have leak sensor.<li data-bbox="231 996 1350 1276">2. Auto sampler:<ol data-bbox="279 1030 1350 1276" style="list-style-type: none"><li data-bbox="279 1030 1350 1064">a) Injection range: 0.1 - 80 µL in 0.1 µL increments or better<li data-bbox="279 1064 1350 1097">b) Precision: typically, < 0.5 % RSD of peak areas from 5 µL to 80 µl or better<li data-bbox="279 1097 1350 1131">c) Minimum sample volume: 5 µL or lower<li data-bbox="279 1131 1350 1164">d) Carryover: typically, < 0.004 % or better<li data-bbox="279 1164 1350 1198">e) Sample capacity: 125 × 2 or 1.5 mL vials or higher<li data-bbox="279 1198 1350 1232">f) Autosampler should have auto dilution and auto derivatization facility<li data-bbox="279 1232 1350 1265">g) Pressure Operating range: 5500 psi or higher<li data-bbox="279 1265 1350 1276">h) Module should have leak sensor.<li data-bbox="231 1299 1350 1489">3. Column Compartment with column heater:<ol data-bbox="279 1332 1350 1489" style="list-style-type: none"><li data-bbox="279 1332 1350 1366">a) Temperature Range: Ambient plus 5 degree to 75° C or better<li data-bbox="279 1366 1350 1400">b) Temperature Accuracy: ± 0.5 °C or better<li data-bbox="279 1400 1350 1433">c) Temperature Stability: ± 0.5 °C or better<li data-bbox="279 1433 1350 1467">d) Column Capacity: Two 25 cm or 30 cm columns<li data-bbox="279 1467 1350 1489">e) Module should have leak sensor.<li data-bbox="231 1512 1350 1859">4) Refractive Index Detector:<ol data-bbox="279 1545 1350 1859" style="list-style-type: none"><li data-bbox="279 1545 1350 1579">a) Refractive index range: 1.2 – 1.6 RIU or better<li data-bbox="279 1579 1350 1612">b) Measurement range: ±600 x 10⁻⁶ RIU or better<li data-bbox="279 1612 1350 1646">c) Optics temperature control: 5 °C above ambient to 45 °C or better<li data-bbox="279 1646 1350 1680">d) Sample cell Volume: 8 µL or better<li data-bbox="279 1680 1350 1713">e) pH range: 3 – 9 or better<li data-bbox="279 1713 1350 1747">f) Noise: < ±1.25 x 10⁻⁹ RIU<li data-bbox="279 1747 1350 1780">g) Drift: < 200 x 10⁻⁹ RIU/hr<li data-bbox="279 1780 1350 1814">h) Data rate: 60Hz or better<li data-bbox="279 1814 1350 1848">i) Module should have leak sensor<li data-bbox="279 1848 1350 1859">j) Module should have Automated Operation Qualification/ Performance Verification (OQ & PV)<li data-bbox="231 1881 1350 1948">5) Chromatography Software: Standard Licensed Chromatography Software based on Windows 10 version capable of controlling the entire HPLC system, data acquisition, analysis & storage.	01

6) Analytical Column and Guard Column (1 unit each):

- a) Both should be quoted from OEM only with standard part number
- b) Analytical Column with approx. 8 µm particle size and 250 mm or higher length with respective Guard column for complete profiling of Sugars, Alcohols and Organic Acids

7) Consumables (All consumables should be quoted with OEM Part numbers):

- a) Clear vials with screw caps and septa: 2000 nos.
- b) Solvent filter: 4 units
- c) Frits/Pre filters: 30 units
- d) Pump seal: 2 units
- e) PEEK Ferrules: 20 units
- f) PEEK Tubing: 6 m
- g) Above mentioned analytical column: 1 unit

8) UPS: 3KVA On-line UPS with at least 30 minutes back up

9) Computer: Processor Intel Core i7-4670 Processor (3.4GHz, 6M Cache), HDD 500GB 7200RPM, Graphics: Intel HD Integrated Graphics, 8 GB RAM, Optical DVD Recordable, Wireless WiFi Operating System Windows 10 or above, cordless mouse and Keyboard, and 21-inch HD graphic monitor.

10) Printer: Multifunction (Print, Copy & Scan) LaserJet printer with a print capacity of 14 A-4 pages per minute and a resolution of 600 x 600 dpi.

11) Warranty: At least 3 years warranty on complete system including PC, Printer, UPS with Batteries.

12) Future Upgradation: System should be upgradable to Fluorescence, ELSD, MS & PDA detectors.

Important notes:

1. Vendor should have ISO 9001 Certification.
2. All the requirements laid down under the above specifications must be carefully read and understood before claiming your instrument as “complied”.
3. Please provide compliance statement sheet with technical bid and any deviation in the above-mentioned specifications should be clearly highlighted in remarks.
4. Vendor should have installed at least 100 systems in India. User list should be attached along with the literature.
5. Valid published supporting documents should be submitted along with the technical bid. No enquiries will be made after the submission bids. Those bids without any of the required valid supporting documents will be straightaway rejected.
6. The vendor should have office or agents in India. Qualified technical and service personnel should be available in India.
7. Price should be quoted **FOR** destination.

NB:

1. The online updated Price BOQ is in INR format. If bidder want to quote other than INR please specify the quoted currency in the technical bid/part and fill the amount in same updated BOQ.
2. Please bifurcate the price on shipping terms i, e, Ex-works -> FCA/FOB -> CIP/CIF in price BOQ and specify the same in technical bid.

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 EMD. 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 prior 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.

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. Supplier from outside India should mention the Ex-works/FOB/FCA/CIF/CIP price clearly. 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 EXCISE AND CUSTOM DUTY under notification no-TU/V/RG/-CDE(1062)/201 CUSTOM DT.30.08.2016.
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 and literature of the article quoted. The name of the manufactures and country of manufacture should also invariably be stated. In the absence of these particulars, the

quotation is liable for rejection.

11. Validity of offer: 90 days. 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/ Bank Performance Guarantee @ 10 % of the value of supply order as per norms may be sought from the firms.
12. The right to reject all or any of the quotation and to split up the requirements 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>
13. Disputes, if any, shall be subject to jurisdiction in the court of Mohali only.

–sd/-

(Mukesh Kumar)
Assistant Registrar (S&P)