TENDER NOTICE

Sub: Procurement of High-Performance Liquid Chromatography (HPLC).

Indian Institute of Technology Kharagpur, an Institute of National Importance, invites Sealed bids from reputed Original Manufactures (OEM) or their Authorized Distributors/Dealers or any Institute registered vendor or any registered vendor, for supply and installation works of High-Performance Liquid Chromatography (HPLC) at the Department of Chemistry, IIT Kharagpur.

Interested parties may submit their sealed bids under a Two-cover system (Technical & Price Bid) as per the Technical Specification given in Annexure-I and General Terms & Conditions given in Annexure-II. The tender needs to be sent in a sealed packet, containing two separate sealed envelopes (one each for Technical Bid and Price Bid) along with Earnest Money Deposit for the amount of Rs. 18,000/- (Eighteen thousand) only, duly superscribed with a tender notice No. IT/CY/ISIRD/GV/HPLC-1/2020-21 DTD 15-12-2020 to the office of the Department of Chemistry, IIT Kharagpur.

The last date for submission of tender is 11th January, 2021 by 3.00 p.m., and NO tender will be received after the specified period.

The bids will be opened and evaluated on 12th January, 2021 at 11 am in the Department of Chemistry, Indian Institute of Technology Kharagpur.

All tenders may either be dropped in a sealed box in the office of the Head, Department of Chemistry, IIT Kharagpur in person or maybe sent by Speed Post addressed to Head, Department of Chemistry, Indian Institute of Technology Kharagpur, P.O. Kharagpur Technology, PIN 721302, West Bengal. The bids once submitted shall be the property of the Institute and shall not be returned to the vendor in future. Any bid reached after the last date of submission shall NOT be received and considered.

During opening and evaluation of the bids, attendance of the Bidder or one representative with a proper authorization letter on behalf of the bidder is a MUST. In case the due date for opening tender happens to be a holiday, the same will be opened on the next working day. The timings will however remain unchanged. Please Note that the Institute remains closed on Saturday & Sunday.

Head, Department of Chemistry
IIT Kharagpur

Copy to:
1. Prof. in Charge, Inst. Inf. Cell – with a request to kindly display the same in the Institute website & CPPP.
2. The Dy. Registrar (S&P), IIT Kharagpur
3. Notice Board, Chemistry Department, IIT Kharagpur.
DETAILED TECHNICAL SPECIFICATIONS
High-Performance Liquid Chromatography System (HPLC)

A detailed technical specification for the procurement of an Analytical-cum-Semi-preparative HPLC instrument.

HPLC for Gradient Operation:

- The system must be ready for operation on both normal and reverse phases without modifying the instrumentation.
- Two single pumps preferred.
- Total solvent channels - 4
- The system should be capable of working in the pH range of 1-13.
- Flow rate range- 0.01 ml to 8.00 mL or better.
- Flow rate accuracy- ±3%.
- Flow rate precision- 0.8% RSD or better.
- Pressure- at least 30 MPa or better with the capability of doing both analytical and semi-preparative runs.
- Built-in Leakage Sensor, Auto purge functions should be available.
- Pump should be able to work in isocratic, binary, and quaternary gradient modes
- Software controlled solvent switching option should be present.
- Dynamic mixing facility should be available for analytical, semi-micro, and semi-preparative modes.
- Solvent degassing unit should be present if the system requires. Attach documents to support.

Sample Injection System:

- Manual injection system with mounting plate for analytical sampling and suitable syringes. Injection system should come with 5, 10, 20 and 100 µl or more variable sample loop.
- In-built suitable indicator regarding sample injection.

Photo Diode Array Detector:

- Wavelength range - 200 to 800 nm or better
- Wavelength accuracy- ±3 nm or better
- Number of diode elements: 1024 or better
- Drift- less than 10⁻³ AU/h
- Noise- less than 10⁻⁵ AU/h
- Data acquisition rate- 100Hz or better
- Technology for high baseline stability.
- Light source- Deuterium lamp or Deuterium-Tungsten lamp with minimum 2000-hour warranty along with Lamp optimization.

Software/Data Management System:

- Suitable chromatography software is required that must be original licensed copy.
- The software system should be capable to program at least 3 or more different Gradient curves like (Linear, convex, exponential and concave etc.).
- Operation of the system should be easy and intuitive.
- Free upgradation of the software should be provided for any new release or bug fixes during the first 5 years of the purchase.
- A new computer with at least 500 GB storage capacity, i5 processor, 8 GB RAM, original windows 10, LCD/LED monitor, and CD/DVD drive, Keyboard, and a mouse must be provided.

Other Accessories:

- Solvent reservoir tray with at least 4 solvents which can mount on top of the system.
- Scott Duran Solvent reservoir 1 L bottlesx4 with dust filter/filter frit and required tubing.
- Microliter syringe for sample injection
- C18 Analytical column 250 x 4.6mm, 5µ.
Warranty, Terms and Conditions:

- 3 years warranty and complete support are mandatory for the whole HPLC system.
- At least 10 HPLC units must have been supplied and currently working in various IITs, IISERs and IISc. Detailed user list to be provided along with the technical bid.
- A service base in the North-East region with a Service Engineer available to attend the machine preferably within 48 hours of intimation. Details of the Service Engineer to be provided with the tender documents.
- Free training of the manpower should be provided.

(Optional: Please Quote the price in the Price Bid)

Column Oven

- Uniform heating technology.
- The temperature setting range 5°C to 60°C or better.
- Temperature setting in steps of 1°C or better.
- Temperature control precision - ±0.5°C or better.
- The oven compartment must contain at least 2 columns (25 cm + guard column) with a column switching facility (Manual/Software controlled).
GENERAL TERMS AND CONDITIONS

(1) **Last Date of Submission of Sealed Bids** 11th January, 2021 up to 3:00 pm.

The bids will be opened on 12th January, 2021 at 11 am in the Head's room, Department of Chemistry, Indian Institute of Technology Kharagpur.

(2) **Payment Terms:** As per existing rules of the Institute. No advance/mobilization support, is payable against supply of stores.

(3) **Earnest Money Deposit (EMD):** An amount of Rs. 18,000/- (Rupees Eighteen thousand only) is to be paid. The payment shall have to be made by Demand Draft ONLY drawn in favour of “Indian Institute of Technology Kharagpur”, payable at Kharagpur. The validity of the EMD should be 3 (three) months from the date of issue. EMD will be refunded to the unsuccessful bidder, after finalization of the tender process. The EMD of the bidder awarded with the order shall be treated as part of security deposit towards Performance Guarantee. No interest is payable on Security Deposit. Security Deposit shall be forfeited if the selected bidder after award of order fails to execute the same.

(4) **Price Bid:** The price should be quoted in Indian Rupee ONLY on Free at site basis clearly mentioning the installation charges, and applicable taxes etc. and any other expenses, if to be charged extra. Price is to be offered on the prescribed format with the tender notice, also the **Price Bid must be submitted in a sealed envelope separately.**

(5) **Bid Submission:** The bids (Technical & Financial) **MUST** be submitted in a sealed envelope separately with the following:

a) A profile of the bidder in the enclosed format (Annexure – III) and the EMD amount by Demand Draft.

b) Self attested copy of the Trade Licence, PAN Card, ITR for at least last two years and certificate of Registration for applicable taxes, if any.

c) **Past Performance of the Vendors will be judged at the time of Evaluation. Any document in support of the same should be attached with the bid.**

d) A declaration on the letterhead of the firm that they are not currently debarred or blacklisted in IIT Kharagpur for any supplies, products or services, or at present in any national organization or educational institute/university.

e) One copy of the entire tender document with signature and official seal of the Bidder on each page of it.

f) **Price Offer as per the format enclosed.**

(6) **Acceptance of Tender:** The Competent authority of the Institute does not bind itself to accept the lowest priced bid and reserves the right to reject any or the entire tender bids received without assigning any reason thereof.

(7) **Conditional Offer:** will not be accepted.

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Bid Validity: Bids MUST remain valid for acceptance for a period of 120 days from the date of opening of the bid.

The Institute does not bind itself to offer any explanation to those bidders whose bids have not been found acceptable by the Evaluation Committee of the Institute.

MOST IMPORTANT

- The Competent authority of the Institute may accept or reject any or all the bids in part or in full without assigning any reason and does not bind himself to accept the lowest bid. The Institute at its discretion may change the quantity, upgrade the criteria, drop any item or part thereof at any time before placing the Purchase Order.
- A bid submitted with false information will not only be rejected but also the vendor will be debarred from participation in future tendering process.
- In case of any dispute, the decision of the Director of this Institute shall be final and binding on the bidders.

Head,
Department of Chemistry
IIT Kharagpur

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PROFILE OF THE BIDDER

(The duly filled in Profile of the Bidder is to be kept on top of the Bid document)

Name of Company: ________________________________

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<td>1.</td>
<td>Name and Address of the Applicant</td>
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<td>Mobile Number &amp; E-mail ID of the Applicant</td>
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<td>3.</td>
<td>Legal Status of the Firm</td>
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<td>7.</td>
<td>Details of EMD for Rs. 5,000/-</td>
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<td>On __________________________ Bank.</td>
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<td>Any other information considered necessary but not included above.</td>
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I/We declare that all the above information's are true/correct to the best of my/our knowledge and belief. I/we am/are well aware of the fact that furnishing of any false information/fabricated document would lead to rejection of my/our tender at any stage besides liabilities towards prosecution under appropriate law.

Date: __________________________
Place: __________________________
Signature with date & seal of the Bidder

(to be typed on the letter head of the Bidder)