

**Department of Biochemistry
University of Lucknow
Lucknow-226007**

TENDER NO.: LU-Biochem-COE/HPLC/01-2019

Dated: 15 March 2019

Short term Tender/Bid invited in INR/foreign currency for **Shimadzu HPLC system with accessories** required for U.P. State Government funded Center of Excellence in Biochemistry, operating in the Department of Biochemistry, University of Lucknow, Lucknow



Non transferable

**Department of Biochemistry
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TENDER NO.: LU-Biochem-COE/HPLC/01-2019

Dated: 15 March 2019

Sealed, Tenders/Bids are invited in **INR/Foreign currency** from registered, experienced & reputed firms under two bid system i.e. Technical Bid & Financial Bid, for **Shimadzu HPLC system with accessories**, required for U.P. State Government funded Center of Excellence in Biochemistry for establishment of an upgradable facility for proteomics, operating in the Department of Biochemistry, University of Lucknow, Lucknow.

**1. Detailed description of various items required along with specifications
(Please see Annexure I)**

2. Time Schedule:

- ❖ **Date of downloading of Bid document:** Till 25.03.2019.
- ❖ **Last Date & Time for receipt of tenders:** 25.03.2019 at 12:00 noon.
- ❖ **Date & Time for opening of Bid:** 25.03.2019 at 12:30 pm.
- ❖ **Place of deposit of tender:** Departmental drop box, Department of Biochemistry, University of Lucknow, Lucknow.

3. Cost of tender Form: Rs. 1,000.00 in form of bank draft in favour of Finance Officer, University of Lucknow payable at Lucknow must be enclosed with tender form. Cost of tender form is Non-refundable.

4. Validity of Tender: 90 days from the date of opening of tender.

5. The interested firms may put the document completed in all respects along with Earnest Money Deposit (EMD) 40,000.00 (Rupees Forty thousand only) in the name of Finance Officer, University of Lucknow, Lucknow-226007 in form of bank draft only from any nationalised bank.

6. The University of Lucknow, reserves all right to amend or withdraw any of the terms and conditions contained in tender document or to reject any or all tenders without giving any notice or assigning any reason. The decision of University of Lucknow in this regard shall be final and binding on all.

Dr. S.K.Agarwal
Coordinator, Centre of Excellence in Biochemistry
For Registrar,
University of Lucknow, Lucknow-226007

Tender Form

The bidders should furnish the under mentioned information and also enclose the copy of the respective document as mentioned below failing which their bids will not be considered.

1. Name of the Firm (Full Address)
2. Name of the Proprietor
3. Telephone / Mobile Number
4. Bank Account Number
5. Income Tax Permanent Account Number
(Please enclose photocopy)
6. Registration with Trade Tax (U.P.):
Trade Tax Reg. No.
C.S.T. No.
ST / VAT No.
TIN No.
7. Income Tax Return for the past 3 years. (Please enclose photocopy)
8. Firm deed & Registration of the firm: (Please enclose photocopy)
9. (a) Demand Draft towards the cost of the Tender Form:
Draft No. Name of the issuing Bank
Draft Amount Rs. 1,000/-

(b) Demand Draft for the Earnest Money Deposit (EMD):
Draft No. Name of the issuing Bank
Draft Amount Rs. 40,000/-

Demand Draft should be drawn in favour of Finance Officer, University of Lucknow, Lucknow, payable at Lucknow. Tenders/Technical Bids not accompanied by the requisite Demand Drafts shall not be considered and shall be rejected.

Instructions to Bidders & Pre-Qualification Requirement of Bidders

1. Capacity

The firm should be capable of mobilizing adequate arrangement for the supply of for **Shimadzu HPLC system with accessories**, required for U.P. State Government funded Center of Excellence in Biochemistry for establishment of an upgradable facility for proteomics, operating in the Department of Biochemistry, University of Lucknow, Lucknow.

2. Penalty

Penalty @ 10% of the value of the order shall be imposed for every day of delay in the supply of the full order.

3. Arbitration

In case of any dispute, the decision of University of Lucknow shall be binding. University of Lucknow has the right to cancel all or any of the tenders without assigning any reason.

4. Legal Jurisdiction

For legal dispute, if any, the jurisdiction will be limited to the District of Lucknow.

5. Rates quoted by the firms (L 1) are negotiable and must be quoted CIF New Delhi.

6. Technical and financial bids, duly signed and stamped, to be kept separately in sealed envelopes. The envelope containing bids be marked on top as "Technical/Financial bids for, **Shimadzu HPLC system with accessories** required for U.P. State Government funded Center of Excellence in Biochemistry for establishment of an upgradable facility for proteomics, operating in the Department of Biochemistry, University of Lucknow". **Proprietary certificate and Authorization certificate from principals must accompany the bid. A users list for the equipment must also be enclosed.**

7. Tender should be addressed to "**Coordinator, Centre of Excellence in Biochemistry, Department of Biochemistry, Lucknow University, Lucknow-226007**".

8. With tender form, specification of equipment or item supplied must be written, sealed and signed by the authorized signatory.

9. Supplied scientific equipment/items must be as per given specifications.

10. Quantity to be supplied may change at the time of order.

11. Non-compliance of order, in time, will be treated as non-compliance of the terms and conditions.

12. No advance amount will be given.

13. Without assigning any reason any tender or all tenders can be cancelled by the University authorities at any stage.

14. Affidavit will be given by the tenderer that they will follow the all the mentioned terms and conditions.

15. 90% of the payment will be made to the firms via telegraphic transfer/Letter of credit and the rest 10% after successful installation of the equipment.

Dr. S.K.Agarwal

Coordinator, Centre of Excellence in Biochemistry,

Department of Biochemistry

For Registrar,

University of Lucknow, Lucknow-226007

Annexure I

Specification of equipment

Short-term tenders are invited for the procurement of a **Shimadzu HPLC system with accessories**. Particulars/features required in the above system are as follows:

Solvent Delivery Unit- Binary

- Programmable flow rate range: 0.0001 to 10 mL/min or more.
- Max. Operating pressure: 400 Bar or more.
- Two separate Pumps should be quoted
- Flow precision: 0.06 % RSD or less.
- Flow rate accuracy: 1 %
- Mixer should be quoted

Manual Injector

UV-Vis Detector

- Wavelength range: 190 – 700 nm or better.
- Light source: Deuterium lamp
- Wavelength accuracy: +/- 1nm
- Wavelength Precision : 0.1 nm
- Data Rate: 100 Hz or Better.
- Noise : $< \pm 0.5 \times 10^{-5}$ AU
- Drift: $< 1 \times 10^{-4}$ AU/hr
- Temperature controlled flow cell(5 Degree above RT to 50 degree)
- Flow cell: 10mm path length, 12 uL volume

Fluorescence Detector

- Wavelength range 200-650nm
- Light Source : Xenon lamp
- Wavelength Accuracy : ± 2 nm
- Sensitivity : Water Raman Peak 1200 Signal-To-Noise
- Spectral Bandwidth: 20nm
- Cell Volume: 12ul

Chromatography Software

- Software should be latest, genuine and original.
- Real time triggers to react the condition i.e. to take action on Fault leakage, Stop, Start, wavelength switching, injection etc.
- GPC Software Should be quoted

Columns (specs must be mentioned for analytical/semi-prep scale only)

C18 Analytical Column (250mmx4.6mmx5u)- 1 No

Cation exchange column

Anion exchange column

GPC/Size exclusion column

Branded PC (HP), Laser Printer & 3 KVA UPS.

Latest configuration of i5 Processor with 4 GB RAM, 500 GB HDD, Windows 8 and 19" LED Monitor and Laser Jet Printer

Warranty and other terms

- 2 years standard warranty should be provided.
- Training should be provided onsite.

Sample preparation kit/accessories, sample loading accessories: Syringes, filter holders and filters for sample preparation and filters for aqueous and separately for organic solvents must be included (100 filters of each type)

Optional Detector to be quoted

PDA Detector

- Wavelength range: 190 – 800 nm or better.
- Light source: Deuterium lamp and Tungsten Lamp
- No of diodes: 512 or more
- Wavelength accuracy: +/- 1nm
- Data Rate: 100 Hz or Better.
- Noise: 10×10^{-6} AU
- Drift: 5×10^{-4} AU/hr
- Temperature controlled flow cell(5-50 degree)
- Flow cell: 10mm path length, 10 to 15 ul volume (Analytical standard)