

UNIVERSITY OF CALICUT

NOTICE INVITING TENDER

No.153722/PURCHASE-ASST-B1/2015/Admn

Calicut University (P.O.)

Dated, 01.03.2017.

The Registrar, University of Calicut invites online tender for the **Purchase of (1) Medium-Pressure Fast Protein Liquid Chromatography (FPLC) System** for the Central Sophisticated Instrumentation Facility (CSIF). Rate quoted should be inclusive of taxes and all other charges. The bidders should remit 0.15% of the estimated cost as the cost of tender rounded to the nearest multiple of 100, subject to a maximum of Rs.25,000/- plus VAT @5%. EMD @1% (rounded to the nearest rupees) of the total cost of the articles tendered for should be remitted subject to a minimum of Rs.1,500/-.

Detailed technical specifications (including catalogues and other details if any) should be uploaded under the heading Other Important Documents.

A Performance Security equivalent to 5% of the total value of the contract rounded to the nearest rupee should be submitted by the successful bidder for a contract value above Rs.1,00,000/-. The EMD and Performance Security are returnable.

Last date of receipt of documents submitted online is 21.03.2017 5 P.M Hard copies (Technical Bid) of the documents must be submitted to the Deputy Registrar, Purchase Division, University of Calicut on or before 25.03.2017. 5 P.M.

Tender documents and tender schedule may be downloaded free of cost from the Website www.etenders.kerala.gov.in

All bid/tender documents are to be submitted online only and in the designated cover(s)/envelope(s) on the website. Tenders/Bids shall be accepted only through online mode on the website and no manual submission of the same shall be entertained. Late tenders will not be accepted.

Further details can be had from the **Deputy Registrar, Purchase Division, University of Calicut, Calicut University (P.O), Malappuram, Pin.673 635, Kerala** during working hours. (0494 – 2407130, 2407160).

SPECIFICATION FOR MEDIUM PRESSURE FAST LIQUID CHROMATOGRAPHY [FPLC] SYSTEM

A Versatile Chromatography System for purifying biomolecules for analytical- and preparative-scale applications that must be automated with a flow rate not less than 10 ml/min with a suitable piston pump meeting the following specifications:

1. System Pump : 0.001 to 10 ml,
2. Pump Type :Reciprocating or Metering Piston Pump
3. Pressure (back pressure) range :0-3650 Psi (0-20 Mpa)

4. Buffer Inlet Valves: Minimum of 2 buffer inlets. The instrument should be capable of accommodating additional Inlet valves allowing automatic switching between multiple buffers during method development and column regeneration.
5. Online Buffer Preparation: The instrument should have the provision for automatic mixing of buffers during a run. Using acid, base, water & salt stock solutions the system should generate specific pH buffers over a linear salt gradient or a pH gradient at a specific salt concentration. Buffer system, concentration, pH and salt gradient should be definable in the Method Editor.
6. Mixer: The Instrument should carry a Binary Gradient Mixer with barrels ranging from 750µl to 5ml.
7. Injection Valve: Automated Sample Loading compatible with fixed volume loops variable, volume loops, Auto sampler & Integrated Sample Pumps
8. Fixed Volume Sample Loops: Fixed volume sample loops between 50ul to 5ml (Minimum 5 Variants) should be provided along with the Instrument.
9. Sample Pump & Sample Inlet Valves: The instrument should have a provision for accommodating a Sample Pump enabling the injection of large sample volumes, or allow repetitive, accurate, and consistent multiple loadings from a single sample stock or automated sequential purification of multiple large samples.
10. Detectors: Multiple Wavelength Detection with minimum 4 Wavelength Detection Capabilities, a Tungsten Halogen/Deuterium lamp, 190 to 800nm range with an integrated Conductivity Meter and Temperature Monitor.
11. External Detectors (3rd party): The system should support up to two external detectors via a SIM module.
 - Signal Input: External detector signals should be imported into the chromatogram, scaled and provided with customized names via the Analysis software.
 - Signal Output: The system should be capable of UV signal output to third party detectors, such as the MALs particle size analyzer, via the SIM module.
12. Software: The software should control all functions like instrument setup, calibration, method development, real-time monitoring and system control, chromatogram comparison, and peak analysis. Multiple Analysis Software (10 User Licenses) should be provided along with the Instrument. Software and Firmware Upgrades should be available free of cost for the entire lifetime of the Instrument.
13. Should have software assisted plumbing and guided flow path.
14. Fraction Collector: Capable of collecting fractions based on time and number of drops. 1 to 50 ml collection capability in 1.5ml tubes / 15 ml / 50ml Tubes and

optionally 96 well plates

15. Cold room compatibility: The instrument should be compatible for cold room operations.

16. Touch screen controls for standalone operations in the cold room.

17. Other Requirements:

- The various modules of the system should be user installable without any cable connectors and the modules should be installable at any position on the Instrument.
- The instrument should carry scalable hardware with upgradable modules like pumps, valves , detectors & fraction collectors.
- The Instrument should have the provision to allow Tandem/2D Chromatography with optional upgrades.
- The Instrument should allow Buffer Blending/High flow Applications with optional upgrades.
- Trial pack for sampling resins like Anion Exchange (Strong and Weak) and Cation Exchange (Strong and Weak) should be included along with the System.
- Empty glass columns of various size (1 & 1.5 cm Id with lengths ranging from 10 to 50cm in length) with all accessories & compatible flow adaptors should be included along with the system.
- Pre- packed column (1 & 5ml bed volume) of Ion exchange, desalting and immobilized metal affinity chromatography (IMAC) should be included along with the system.
- Complete Vacuum filtration assembly (reusable) for degassing and particulate removal should be included along with the system.
- A Compatible Branded PC should be provided along with the System.
- A Compatible Cold cabinet should be provided along with the System.
- Spares price list should be given in the technical bid and it should be valid for 5 years
- Price quoted should be inclusive of 3 Years Warranty and AMC for 4th and 5th Year.

General Conditions:

1. No tender received after the specified date and time will be accepted on any account. The rates will be considered firm for acceptance till the date mentioned above. Tenders not stipulating period of firmness and tenders with price variation clause and/or 'subject to prior sale' condition are liable to be rejected.

2. The tenders will be opened on the appointed day and time in the office of the undersigned.
3. If any tenderer withdraws from his tender before the expiry of the period fixed keeping the rates firm for acceptance, the earnest money if any, deposited by him forfeited to University or such action taken against him as University think fit.
4. The final acceptance of the tenders rests entirely with the University who do not bind themselves to accept the lowest or any tender. But the tenderers on their part should be prepared to carry out such portion of the supplies included in their tenders as may be allotted to them.
5. Communication of acceptance of the tender normally constitute a concluded contract. Nevertheless, the successful tenderer shall also execute an agreement for the due fulfillment of the contract within the period to be specified in the letter of acceptance. The contractor shall have to pay all stamp duty, lawyer's charges and other expenses incidental to the execution of the agreement. Failure to execute the agreement within the period specified will entail the penalties set out in para below
6. (a) The successful tenderer shall before signing the agreement and within the period specified in the letter of acceptance of his tender, deposit a sum equivalent to 5 percent of the value of the contract as security for the satisfactory fulfillment of the contract less the amount of money deposited by him along with his tender. The amount of security may be deposited in the manner prescribed in Store Purchase Manual (Revised Edition 2013) Government of Kerala. Letters of guarantee in the prescribed form for the amount of security from an approved bank will be considered enough at the discretion of the University. If the successful tenderer fails to deposit the security and execute the agreement as stated above, the earnest money deposited by him will be forfeited to the University and contract arranged elsewhere at the defaulter's risk and any loss incurred by University on account of the Purchase will be recovered from the defaulters who will however not be entitled to any gain accruing thereby. If the defaulting Firm is a registered firm their registration is liable to be cancelled.

(b) In cases where a successful tenderer, after having made partial supplies fails to fulfill the contracts in full, all, or any of the materials not supplied may at the discretion of the Purchasing Officer, be purchased by means of another tender/quotation or by negotiation or from the next higher tenderer who had offered to supply already and the loss, if any caused to the University shall thereby together with such sums as may be fixed by the University towards damages be recovered from the defaulting tenderer.

(c) Even in cases where no alternate purchases are arranged for the materials not supplied, the proportionate portion of the security deposit based on the cost of the materials not supplied at the rate shown in the tender of the defaulter shall be forfeited and balance alone shall be refunded.
7. No interest will be paid on earnest money deposited.
8. The security deposit shall, subject to the conditions specified herein, be returned to the contractor within three months after the expiration of the contract, but in the event of any dispute arising between the Department concerned and the contractor, the Department shall be entitled to deduct out of the deposits or the balance thereof until such dispute is determined the amount of such damages, costs, charges and expenses as may be claimed. The same may also be deducted from any other sum which may be due at any time from University to the contractor. In all cases deposit will be released only after the expiry of the guarantee period.

9. (a) All payments to the contractors will be made by Purchasing Officer in due course: (i) either by Departmental cheques payable at the Kerala Government Treasuries or (ii) by cheques or drafts on the Reserve Bank of India, State Bank of India and State Bank of Travancore (at any of their Principal Branches in India) (iii) in the case of supplies from abroad by drafts as may be arranged between the contracting parties.

(b) All incidental expenses incurred by the University for making payments outside the district in which the claim arises shall be borne by the contractor.

10. Bank charges incurred in connection with payment against documents through Bank will be to the account of the contractor. The firms will produce stamped pre receipted invoices in all cases where payments (advance/final/for the release of railway receipts/shipping documents) are made through banks.

11. The contractor shall not assign or make over the contract of the benefits or burdens thereof to any other person or body corporate. The contractor shall not under let or sublet to any person or persons or body corporate the execution of the contract or any part thereof without the consent in writing of the Purchasing Officer who shall have absolute power to refuse such consent or to rescind such consent (if given) at any time if he is not satisfied with the manner in which the contract is being executed and no allowance or compensation shall be made to the contractor or the sub-contractor upon such rescission. Provided always that if such consent be given at any time the contractor shall not be relieved from any obligation, duty or responsibility under this contract.

12. In case the contractor becomes insolvent or goes into liquidation, or makes or proposes to make any assignment for the benefit of his creditors or proposes any composition with his creditors for the settlement of his debts, carries on his business of the contract under inspection on behalf of or his creditors, or in case any receiving order or orders for the which under any clause or clauses of this contract the contractor shall have rendered himself liable to damages amounting to the whole of his security deposits, the contract shall, thereupon, after notice given by the Purchasing Officer to the Contractor be determined and the University may complete the contract in such time and manner and by such persons as the University shall think fit. But such determination of the contract shall be without non prejudice to any right or remedy of the University against the contractor or his sureties in respect of any breach of contract therefore committed by the contractor. All expenses and damages caused to University by any breach of contract by the contractor shall be paid by the contractor to University, and may be recovered from him under the provisions of the Revenue Recovery Act in force in state.

13. a) In case the contractor fails to supply and deliver any of the said articles and things within the time provided for delivery of the same, or in case the contractor commits any breach of any of the covenants, stipulations and agreements here in contained, and on his part to be observed and performed, then and in any such case, it shall be lawful for University (if they shall think fit to do so) to arrange for the purchase of the said articles and things from elsewhere or on behalf of the University by an order in writing under the hand of the Purchasing Officer put an end to this contract and in case the University shall have incurred, sustained or been put to any costs, damages or expenses by reason of such purchase or by reason of this contract having been so put an end to or in case any difference in price, compensation, loss, costs, damages, expenses of other moneys shall then or any time during the continuance of this contract be payable by the contractor to the University under and by virtue of this contract, it shall be lawful for the University from and out of any moneys for the time being payable or owing to the contractor from the University under by virtue of

this contract or otherwise to pay and reimburse to the University all such costs, damages and expenses they may have sustained, incurred or been put to by reason of the purchase, made else where or by reason of this contract having been so put an end to as aforesaid and also all such difference in price compensation, loss costs, damages, expenses and other money shall for the time being be payable by the contractor aforesaid.

b) In case any difference or dispute arises in connection with the contract, all legal proceedings relating to the matter shall be instituted in the Court with in whose jurisdiction the purchasing officer voluntarily resides.

14. Every notice hereby required or authorized to be given may be either given to the contractor personally or left at his residence or last known place of abode or business, or maybe handed over to his agent personally, e-mailed or may be addressed to the contractor by post at his usual or last known place of abode or business and if so addressed and posted , shall be deemed to have been served on the contractor on the date on which, in the ordinary course of post, a letter so addressed and posted/e-mailed would reach his place of abode or business.

15. The tenderer shall undertake to supply materials according to the standard sample and /or specifications.

16. No representation for enhancement of rates will be considered.

17. Any attempt on the part of the tenderers or their agents to influence the Department/stores Purchase Department in their favour by personal canvassing with the officers concerned will disqualify the tenderers.

18. The prices quoted should be inclusive of all taxes, duties, cesses, etc., which are or may become payable by the Contractor under the existing or future laws or rules of the country of origin/supply or delivery during the course of execution of the contract.

19. Special Conditions, if any of the tenderers attached with the tenders will not be applicable to the contract unless they are expressly accepted in writing by the purchaser.

Online Payment modes: The tender document fees can be paid in the following manner through e-Payment:

- i. **State Bank of Travancore (SBT) Internet Banking:** If a bidder has a SBT internet banking account, then, during the online bid submission process, bidder shall select SBT option and then select Internet banking option. The e-Procurement system will re-direct the bidder to SBT's internet banking page where he can enter his internet banking credentials and transfer the tender document amount.
- ii. **National Electronic Fund Transfer (NEFT):** If a bidder holds bank account in a different bank, then, during the online bid submission process, bidder shall select NEFT option. An online remittance form would be generated, which the bidder can use for transferring amount through NEFT either by using internet banking of his bank or visiting nearest branch of his bank. After obtaining the successful transaction receipt no., the bidder has to update the same in e Procurement system for completing the process of bid submission. Bidder should only use the details given in the Remittance form for making a NEFT payment otherwise payment would result in failure in e- Procurement system.

As NEFT payment status confirmation is not received by e-Procurement system on a real time basis, bidders are advised to exercise NEFT mode of payment option at least 48 hours prior to the last date and time of bid submission to avoid any payment issues. NEFT

payment should be done according to following guidelines:

- i. **Single transaction for remitting Tender document fee and EMD:** Bidder should ensure that tender document fees and EMD are remitted as one single transaction.
- ii. **Account number as per Remittance Form only:** Account no. entered during NEFT remittance at any bank counter or during adding beneficiary account in Internet banking site should be the same as it appears in the remittance form generated for that particular bid by the e-Procurement system. Bidder should ensure that tender document fees and EMD are remitted only to the account number given in the Remittance form provided by e- Procurement system for that particular tender. Bidders must ensure that the banker inputs the Account Number (which is case sensitive) as displayed in the Remittance form. No additional information like bidder name, company name, etc. should be entered in the account no. column along with account no. for NEFT remittance.
- iii. **Only NEFT Remittance Allowed:** RTGS payments, Account to Account transfers, State Bank Group Transfers (GRPT) or Cash payments are not allowed and are treated as invalid mode of payments. Bidder must ensure that the banker does NEFT transaction only irrespective of the amount and specially instruct the banks not to convert the payment type to RTGS or GRPT.
- iv. **Amount as per Remittance form:** Bidder should ensure that the amount being remitted is neither less nor higher than the amount shown in remittance form.
- v. **UTR Number:** Bidders should ensure that the remittance confirmation (UTR number) received after NEFT transfer should be updated as it is, in the e-Procurement system for tracking the payment.
- vi. **One Remittance Form per Bidder and per Bid:** The remittance form provided by e-Procurement system shall be valid for that particular bidder and bid and should not be re-used for any other tender or bid or by any other bidder.

Any transaction charges levied while using any of the above modes of online payment has be borne by the bidder. **The supplier/contractor's bid will be evaluated only if payment status against bidder is showing "Success" during bid opening**

REGISTRAR

UNIVERSITY OF CALICUT

MALAPPURAM, KERALA STATE