



KANNUR UNIVERSITY

**THAVAKKARA, CIVIL STATION P.O., KANNUR, KERALA 670002**

**Tel: 0497 2715243** (registrar@kannuruniv.ac.in, sopmud@kannuruniv.ac.in)

**NOTICE INVITING E-TENDER**

The Registrar, Kannur University invites e-tender(s) in Two Bid System (Two cover) for the supply, Installation, Testing and Commissioning of **“FPLC system” (Fast Performance Liquid Chromatography system)** at Department of Molecular Biology, Janaki Ammal Campus, Palayad, Kannur University (under PM USHA scheme) from original equipment manufacturers (OEMs) or authorized distributors/dealers as per the technical specifications and schedule given below. The rate quoted should be inclusive of all taxes, installation charges and other charges. The Registrar, Kannur University reserves the right to accept or reject the tenders without assigning any reason thereof. The list of equipment/accessories proposed to be purchased, including its quantity and specifications are furnished in the schedule of items given below. Since this is an E-tender, only those bidders who have enrolled in the <http://etenders.kerala.gov.in> portal with their own Digital Signature Certificate (DSC) can participate in the tender. E-Tender document and other details can be obtained from the above e-portal.

**TENDER SCHEDULE**

Tender ID	2025_KnrU_763509
Name of work	Supply, Installation, testing and commissioning of <b>FPLC system</b> at Department of Molecular Biology, Janaki Ammal Campus, Palayad, Kannur University
Last date for receipt of Tender	23/06/2025, 11 AM
Date and time of Opening tender	24/06/2025, 3 PM
EMD	Rs.45,800 /-
Tender fee	Rs. 6,900 /- {excl. GST}
<i>All the MSMEs with Udyog Aadhar Registration working within the state of Kerala will be exempted from the payment of Tender Fee and EMD. Under MSME category, only Manufactures for Goods and Service Providers for Services are eligible for EMD/Tender fee exemption</i>	
Place of supply and	Department of Molecular Biology, Janaki Ammal Campus,

For further details logon to <http://etenders.kerala.gov.in>.

### **List of Equipments**

Sl No.	Item	Required Quantity (Nos)
1	Fast Performance Liquid Chromatography system (FPLC system)	1

### **1. Technical Specification for FPLC System**

#### Specification

#### **AUTOMATED PROTEIN PURIFICATION SYSTEM**

- Inert biocompatible and automated multistep purification system
- System should be capable of performing following chromatography techniques (Size exclusion, Affinity, Ion exchange, Hydrophobic interaction and Reverse phase).
- Flow rate range should be from 0.001 to 25 ml/min with Accuracy:  $\pm 1.2\%$ , system should be capable of going to a flow of 50 ml/min as a packing flow rate for the system with pressure rating of 20 MPa without adding any additional modules on to the system.
- System should have UV flow cell volume of less than 5ul. (or the software should have the provision of normalizing the absorbance of 5 MM flow cell)
- Pump head piston should be made up of Hydrophobic material for lifelong performance and inertness with the common chromatographic buffers.
- Accurate, automatic gradient formation from 0 to 100% gradient over the entire flow range of 1 to 25 ml/min.
- The UV-monitor should be capable of detecting a wavelength of 280nm using LED technology with the operating time of at least 10,000 hours. UV detection should not require warming up of samples. No heat - up time of lamp needed.
- System UV detector should have an absorbance range of -6 to 6AU with a resolution of 0.001 m Au crucial for sharp peaks for samples in the negative spectra of the absorbance.
- System should be supplied with a conductive monitor for conductivity measurement between 0.01ms/cm up to 999.9 ms/cm. System should be supplied with automated temperature compensation and flow restrictor. System should have built temperature sensor to correct variation due to temperature
- The system should be equipped with a column control valve. The flow in column could be changed to up and down directions through software without changing the orientation of the column. During

system washing, it should be possible to bypass the column using software.

- System should be supplied with an Outlet valve: For waste diversion from flow path to waste, fraction collector and one additional outlet port for flow through collection
- The system should be supplied with a drop Sync fraction collector. Minimize spillage using sensor and allows the use of 3, 8, 15 and 50 ml tubes. Fraction collector can be used in time, volume or peak recognition mode.
- The system is supplied with all accessories like tubings, connectors, and ferrules for the smooth running of the system.
- The system should be fully modular system that can be further expanded to increase system capability and productivity.

#### **System Control Software:**

- License base software with 21 CFR COMPLIED
- Should have intuitive user interface with an interactive process picture and simplified evaluation modules.
- Built in templates for all the existing columns with option to develop method for third party.
- Sharing of methods and results along with remote access capabilities to systems to save valuable time and resources.
- Scouting of up to 99 runs with individual parameters in single method.
- Method Queues for combining of different purification techniques.
- Software should perform real time control, data evaluation, watch commands, Scouting parameters, method queue, method wizard for easy programming, column library, with report generation option.
- Automatic data recovery after run is over should be possible.
- The system should be capable of being installed with Design of Experiment (DOE) software integrated with the System control software as a tool for experimental design for generating precise data in fewer experiments for time and cost-efficient method development.
- **3 years comprehensive warranty**
- **PC to be supplied along with the instrument.**
- **UPS with battery of minimum 2 hours backup should be supplied.**
- **Gel filtration standards and suitable columns to be supplied.**

#### **General Terms and Conditions**

1. The tender should be submitted in two cover system (Technical bid & Financial bid).
2. Prices shall be quoted in Indian Currency only.
3. Tender fee and EMD should be remitted through SBI MOPS as indicated in the e-Tender website. *All payments including EMD should be made through online but 18% GST of Tender fee should be remitted*

to GST Department directly and upload the receipt in the e-procurement portal.

Sl. No	Equipment	Tender Fee		EMD
		Fee	18% GST	
1.	FPLC system	6,900	1,242	45,800

4. All the MSMEs with Udyog Aadhar Registration or any other body specified by the Ministry of Micro, Small and Medium Enterprises working within the state of Kerala will be exempted from the payment of Tender Fee and EMD. Under MSME category, only Manufactures for Goods and Service Providers for Services are eligible for EMD/Tender fee exemption.
5. Custom Clearance of the consignment including all the stages of custom clearance will be under the purview of supplier.
6. The total rate tendered should be inclusive of all taxes and other charges.
7. The bidders shall keep their rate for a period of **180days**.
8. The successful bidder shall, before signing the agreement and within the period specified in the letter of acceptance of his tender, deposit a sum equivalent to **5% of the value of the contract** by way of Demand Draft drawn in favour of the Finance Officer, Kannur University payable at SBI Kannur University Campus Branch or Kannur Branch of other Nationalized or Scheduled bank, as security for the satisfactory fulfillment of the contract.
9. All bid/tender documents are to be submitted online. Tenders /bids shall be accepted only through online mode on the website and no manual submission of the same shall be entertained.
10. Profile of Bidder as per Annexure1 shall be provided.
11. The bidder should upload along with his tender a preliminary agreement executed and signed in Kerala Stamp Paper of value of Rs.200/- as per format given in Annexure 2.
12. The earnest money of the unsuccessful bidders will be returned through online Transaction and the EMD of successful bidders will be discharged upon the bidder executing the contract and furnishing the security deposit that will have to be deposited for the satisfactory fulfillment of the contract.
13. The bid shall contain detailed technical specifications, Brochures and pamphlets of all items quoted.
14. All the claimed specifications (make, model, year of manufacture, warranty etc) should be mentioned in the Brochure or Catalogue of the equipment
15. The installation, commissioning and the initial operation will be the responsibility of the supplier.
16. In case of underperformance during the warranty period, the item should be replaced and the period of warranty will recommence from the date of replacement.
17. The payment will be made after completion of supply, installation and commissioning.
18. The bidder shall undertake to supply materials according to the standard sample and /or specifications.

19. No representation for enhancement of rates once accepted will be considered.
20. The bidder shall quote their rate in the standard BOQ provided indicating the breakup details.
21. The supplier shall ensure the quality of the stores supplied.
22. The provisions of Kerala Stores Purchase Manual are applicable to this Tender and further proceedings.
23. The University reserves all rights to accept or reject any or all the tenders without assigning any reason whatsoever at its discretion.
24. The bidder should have the responsibility to attend the first level service if any complaint report. Bidders should have authorized service centres in Kerala
25. 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 bidders on their part should be prepared to carry out such portion of the supplies included in their tenders as may be allotted to them.
26. Communication of acceptance of the tender normally constitutes a concluded contract. Nevertheless, the successful bidder shall also execute an agreement for the due fulfillment of the contract within the period to be specified in the letter of acceptance. In cases where a successful bidder, 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 Registrar, be purchased by means of another tender/quotation or by negotiation or from the next higher bidder who had offered to supply already and the loss, if any, caused to the University shall there by together with such sums as may be fixed by the University towards damages be recovered from the defaulting bidder.

#### **DOCUMENTS TO BE SCANNED AND UPLOADED**

1. Bidder Profile (as per format mentioned in Annexure1)
2. Scanned copy of valid registration certificate (GST) & PAN Card
3. Scanned copy of Preliminary Agreement in Kerala Stamp Paper of Rs.200/-(as per format mentioned in Annexure 2)
4. Scanned copy of relevant Brochure of the equipment including make & model and copy of its certifications like ISO certification.
5. Copy of GST payment receipt to Kerala GST department (*18% of tender fee* )
6. Address details of Service Centres
7. Warranty Certificate

***GSTIN32AAAGK0152J1ZT***

***Contct : 0497 2715243***

Sd/-

Registrar (i/c)

**ANNEXURE 1****BIDDER PROFILE**

Sl.No	Particulars	
Details of bidder(Firm/Company)		
1	Name	
2	address	
3	Telephone & Mob	
4	Email & website	
Details of Authorized Person		
5	Name	
6	Address	
7	Telephone & Email	
Information about the company		
8	Status of Company (Public Ltd./Pvt.Ltd)	
Details own functional service centre or authorized functional service centres		
9	Number of Professionals	
10	Service Tax Registration Number	
11	Income Tax Registration Number (PAN)	
12	GST Registration Number	

Signature of the Bidder

**PRELIMINARY AGREEMENT**

Articles of agreement executed on this the ..... day of .....  
..... between the Registrar, Kannur University (hereinafter referred to as “the University”) of the one part and Shri.....  
..... (H.E. name and address of the tenderer)(hereinafter referred to as “the bounden”) of the other part.

WHEREAS in response to the Notification No..... dated ..... the bounden has submitted to the University a tender for the ..... specification therein subject to the terms and conditions contained in the said tender;

WHEREAS the bounden has also deposited with the University a sum of Rs.....  
`..... as earnest money for execution of an agreement undertaking the due fulfillment of the contract in case his tender is accepted by the University NOW THESE PRESENTS WITNESS and it is hereby mutually agreed as follows:

1. In case the tender submitted by the bounden is accepted by the University and the contract for..... is awarded to the bounden, the bounden shall within ..... days of acceptance of his tender execute an agreement with the University incorporating all the terms and conditions under which the University accepts his tender.
2. In case the bounden fails to execute the agreement as aforesaid incorporating the terms and conditions governing the contract, the University shall have power and authority to recover from the bounden any loss or damage caused to the University by such breach as may be determined by the University by appropriating the earnest money deposited by the bounden if the earnest money is found to be inadequate the deficit amount may be recovered from the bounden his properties movable and immovable in the manner hereinafter contained.
3. All sums found due to the University under or by virtue of this agreement shall be recoverable from the bounden and his properties movable and immovable under the provisions of the Revenue Recovery Act for the time being in force as though such sums are arrears of land revenue and in such other manner as the University may deem fit.

In witness where of Shri.....(name and designation) for and on behalf of the University and Shri.  
..... Bounden have hereunto set their hands the day and year shown against their respective signatures.

Signed by Shri. .... (date) .....  
In the presence of witnesses:

1. ....
2. ....

Signed by Shri. .... (date) .....  
In the presence of witnesses:

1. ....
2. ....