

# KANNUR UNIVERSITY

## (PMU D SECTION)

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PMU-D/DIII/13797/2025

14.07.2025

### **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 **E-Spinning Machine and Accessories** at **Department of Chemistry** Swami Anandatheertha Campus, Payyanur, 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_772971
Name of work	Supply, installation, testing and commissioning of <b>E-Spinning Machine and Accessories</b> (Quantity 1)
Last date for receipt of Tender	12/08/2025 , 11.00 AM
Date and time of opening tender	14/08/2025 , 3.00 PM.
EMD	Rs: <b>8,000/-</b>
Tender fee	Rs: <b>1600/-</b> {excl. GST}
<b>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</b>	
Place of supply and installation	<b>Department of Chemistry</b> Swami Anandatheertha Campus, Payyanur, Kannur University

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

### **Specification**

Spinning Orientation	Should be vertical.
High Voltage Power supply	Should be variable within 0-30kV range.
Software	Electronic hardware & software should be controlled by various modules through programmable logic controller (PLC) system.
Display	Digital
Current	Should be variable within 0-10 mA range.
Safety	Shorting stick should be provided as Static Removal Device to ensure safety.
Syringe dispenser	Micro Processor based standalone – programmable (Servo with programmable) with PLC programmed type.
a. Syringe Pump 1	At least four syringes should be able to be used at a time (needle type spinneret). The syringe pump should be compatible with 2.5- and 5-ml syringes and the same should be provided.
b. Syringe Pump 2	Coaxial spinning for core, sheath and hollow tube
c. Flow rate	Should be variable within 0.01 ml to 500 ml/h range.
Vertical & Horizontal dispensing	Should be by quick changing mechanism.
Drum Collector	Should be $\geq 100\text{mm}$ dia x $\geq 150\text{mm}$ length.
Drum Collector Speed	Should be variable within 300 rpm to 3000 rpm range.
Plate Collector	
a. Dimensions	Should be $\geq 220 \times 115\text{mm}$ .
b. Motorized robotics movement	X direction – Plate Y Direction – $\geq 10\text{mm}$ to 100 mm
c. Collector Speed	Should be between 0.01 to 1m/min.
	Should be able to vary distance between needle tip to the collector

Distance adjustment (Tip to collector)	through manual adjustment/software controller. Vertical (in Z-direction) distance should be variable between 5cm to 20cm.
Electro – spinning enclosure	
a. Spinning chamber	The complete chamber should be made of poly carbonate or glass which is chemical resistant. The chamber temperature should be able to be digitally set with controller up to a maximum of at least 60 degrees. Exhaust Fans should be provided. Total area needed is $\geq 1000 \times 800 \times 1800$ mm.
b. Structure	The enclosure should have an aluminium profile with doors. It should be a suitable dust proof enclosure with control panels.
Safety	The door should be assembled with accurate limit switch mechanism with relay logic so as to switch off the power when the door is open, and static removal device should be provided with shorting disc.
Additional Features and Safety	Additional emergency switch should be provided by the side of machine. Strong earth terminal must be connected to the collector area.
Syringe material	The Syringe material should to be resistible to at least the given organic solvents.,  Acetone, Dimethyl formamide Hexane, Isopropyl Alcohol Chloroform/Dichloromethane, Isopropyl Alcohol, N-Methyl pyrrolidone
Other Specifications	1.Syringe holder should be made of insulating material. 2. Software interface should be there to control the syringe volume, spin duration and distance to the target. Associated accessories should be provided.
Power supply	230V AC 50 Hz
User manual	Has to be provided

- **Warranty for 5Years**
- **The vendor should provide list of installation of similar system in Indian Universities/Colleges/IITS/NITs/IISER and other government research laboratories with their contact details in last 3 years**
- **The vendor should have proper qualified engineer/s located near to our place for prompt and efficient after sales services for the next at least 10 years. They should also have**

established local application laboratory to assist us for our regular assistance for our samples/methods/data interpretations.

- Quoted item should be the latest model with the availability of all the parts and required accessories for atleast 10 years

### **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. The bidder shall be solely responsible for the payment of GST. The University holds no responsibility or liability in this matter."**

Item	Tender Fee (₹)		EMD (₹)
	Fee	18% GST	
<b>E-Spinning Machine and Accessories</b>	<b>1,600.00</b>	<b>288.00</b>	<b>8,000.00</b>

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. The bidders shall keep their rate firm for a period of **120 days**.
6. 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.
7. 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 Branch or Kannur Branch of other Nationalized or Scheduled bank, **as security** for the satisfactory fulfillment of the contract.
8. The total rate tendered should be inclusive of all taxes and other charges.
9. 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.
10. Profile of Bidder as per Annexure1 shall be provided.
11. The earnest money of the unsuccessful bidders will be returned through ONLINE NEFT 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 fulfilment of the contract.

12. The bid shall contain detailed technical specifications, Brochures and pamphlets of all items quoted.
13. All the claimed specifications (make, model, year of manufacture, warranty etc) should be mentioned in the Brochure or Catalogue of the equipment
14. The installation, commissioning and the initial operation will be the responsibility of the supplier.
15. In case of under performance during the warranty period, the item should be replaced and the period of warranty will recommence from the date of replacement.
16. The payment will be made after completion of supply, installation and commissioning.
17. The bidder shall undertake to supply materials according to the standard sample and /or specifications.
18. No representation for enhancement of rates once accepted will be considered.
19. The bidder shall quote their rate in the standard BOQ provided indicating the break up details.
20. The supplier shall ensure the quality of the stores supplied.
21. The provisions of Kerala Stores Purchase Manual are applicable to this Tender and further proceedings.
22. The University reserves all rights to accept or reject any or all the tenders without assigning any reason whatsoever at its discretion.
23. The bids shall be opened online at Kannur University on the date mentioned in Invitation Bid. If the date fixed for opening happens to be a holiday/due to net failure, tender will be opened at the next working day at the same time.
24. The bidder should have the responsibility to attend the first level service if any complaint report.
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 fulfilment 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 fulfil 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 thereby 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 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 payment receipt of tender fee and EMD
6. Address details of Service Centres
7. Warranty details

Sd/-  
Prof. (Dr.) Joby K Jose  
Registrar

**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)	
9	Details of Registration of Firm (Provide Ref.)	
10	Number of Professionals	
11	Location and address of offices (in India & overseas)	
12	Service Tax Registration Number	
13	Income Tax Registration Number (PAN)	
14	GST Registration Number	

Signature of the Bidder

## ANNEXURE – 2

### 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. ....



