

KANNUR UNIVERSITY
(PMU - D SECTION)

Tel: 04972715243, email: registrar@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 Scientific/ Laboratory equipment at the Department of Physics**, Swami Ananda Theertha Campus, Payyannur (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

Name of Work	Supply, Installation, Testing and Commissioning of Scientific / Laboratory Equipment
Tender notice number	2025_KnrU_758405
Last date for receipt of tender	07.05.2025, 11.00 AM
Date and time of tender opening	08.05.2025 , 03.00 PM
Earnest Money Deposit (EMD)	₹ 24500
Tender fee (Including GST)	₹ 4366 /- [₹ 3700 + ₹ 666 (GST)]
Address of the officer to whom tenders are to be submitted	Registrar, Kannur University, Thavakkara Campus, Civil Station P.O, Kannur - 670002
Place of supply and installation	Department of Physics, Swami Ananda theertha Campus, Payyannur, Kannur -670327

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

SPECIFICATION OF INSTRUMENTS

Sl. No	EQUIPMENT NAME & QUANTITY (Nos.)	SPECIFICATIONS	
1	<p>Two-Theta Rotation stage with control system (360 degree continuously rotatable; Resolution: 0.0001 Degree for Telescope and 0.005 Degree for Sample holder)</p> <p>Quantity : 1</p>	Description	Motorized Theta-2 Theta stage with Dual axis controller.
		Absolute positioning accuracy:	Theta-1 : 0.1 degree Theta-2 : 0.1 degree
		Repeatability	Theta-1 : 0.1 degree Theta-2 : 0.1 degree
		Resolution	Theta-1 : 0.000625 degree Theta-2 : 0.000625 degree
		Construction	Aluminium alloy
		Finish	Black anodized
		Travel	Theta-1 : 360 degree continues Theta-2 : 300 degree
		Drive	Theta-1 : Stepper Motor Theta-2 : Stepper Motor
		Limit switches	Theta-1 : Optical home sensing limit switch Theta-2 : Optical limit switches @ 300 degree apart
		Mounting holes	M6 tapped holes
		Pay-Load	Theta-1 : 5 Kg Theta-2 Arm : 8 kg Fixed Arm : 5kg
		Controller	Dual axis stepper motor controller with software for the above stage
		Warranty	12 Months (Replacement against manufacturing defects)
		<p align="center">Compact Spectrometer with Detector</p>	<ul style="list-style-type: none"> i. Spectral range: To cover 350-700 nm and 500-1000 nm range ii. Spectral accuracy: <0.5 nm FWHM @435nm and <0.6 nm FWHM @633nm iii. Grating: 1200 Lines/mm (for 350-700 nm range) and 830 Lines/mm (for 500-1000 nm range) iv. Fiber connector: SMA905 v. Detector type: CCD (350 - 1100 nm) vi. CCD Pixel size: 8 μm x 200 μm (8 μm pitch) vii. CCD Sensitivity: 160 V / (lx · s) viii. CCD Dynamic range: 300 ix. CCD Pixel number: 3648 x. Resolution: 10 px/nm (for 350-700 nm range) and 6 px/nm (for 500-1000 nm range) xi. Integration time: 10 μs - 60 s

2	Czerny-Turner Spectrometer with detector Quantity : 1		xii. S/N ratio: $\leq 2000:1$ xiii. Interface: Hi-Speed USB 2.0 (480 Mbit/s)
		Patch Cable for Spectrometer	i. Core diameter: $50 \mu\text{m} \pm 2\%$ ii. Cladding diameter: $125 \pm 1 \mu\text{m}$ iii. Coating diameter: $250 \mu\text{m} \pm 4\%$ iv. Numerical Aperture: 0.22 ± 0.02 v. Wavelength range: 400 to 2400 nm vi. Connector type: SMA905
		Source – Laser	i. Wavelength : 637 nm ii. Output Power: 150 mW iii. Spatial Mode : TEM00 iv. $M2 < 1.2$ v. Beam Asymmetry $\leq 1:1.2$ vi. Beam Diameter : $0.7 \pm 0.1 \text{ mm}$ vii. Beam Divergence : $< 1.3 \text{ mrad}$, full angle viii. Pointing Stability : $< 30 \mu\text{rad}/^\circ\text{C}$ (over 2 hours after warm-up and $\pm 3^\circ\text{C}$) ix. RMS Noise: $\leq 0.05\%$ (20 Hz to 20 MHz, rms) x. Peak to peak noise : $< 0.5\%$ (20 Hz to 20 kHz) xi. Long term power stability: $< 2\%$ (8 hours, $\pm 3^\circ\text{C}$) xii. Warm up time : < 5 minutes (from cold start) xiii. Polarization ratio : 100:1, Vertical $\pm 5^\circ$ xiv. Laser Drive Modes : CW, Analog & Digital Modulation, Computer control xv. Digital Modulation: Maximum Bandwidth (MHz): 150 xvi. Rise Time (10% to 90%) (nsec): < 2 xvii. Fall Time (90% to 10%) (nsec): < 2 xviii. Modulation Depth (extinction ratio): $> 1,000,000:1$ at 0 Hz, $> 250:1$ at 150 MHz xix. Included Heat Sink
		Optical Power Meter	1. Type: Digital console with photodiode sensor 2. Range: 50nW - 50mW, 400 nm - 1100 nm 3. Resolution: 1nW 4. Detector type: Si photodiode 5. Aperture: 9.5 mm
		Warranty	12 Months (Replacement against manufacturing defects)
		Wavelength (nm)	395 nm +/- 4 nm
		Power Output (mW)	100 +/- 10%
		Spatial Mode	TEM00
		Standard Beam (mm, rad)	~ 1.3

3	Laser source Quantity : 1	M2	< 1.25
		Beam Circularity	> 90%
		Power Stability (over 24 hours)	< 0.5 %
		Polarization Orientation Vertical	+/- 5%
		Beam Alignment (mrad)	< 5
		Pointing Stability (urad/oC)	< 5
		Beam Centration (mm)	< 0.5
		Polarization Extinction Ratio	>100:1
		RMS noise (10 Hz to 10MHz)	<0.1%
		Digital Modulation	200MHz
		Digital Rise Time	< 2 nsec
		Analog Modulation	150kHz
		Communication	Mini-USB and RS232
		Warranty	12 Months (Replacement against manufacturing defects)

Terms and Conditions

1. Tender fee and EMD should be remitted through SBI Internet banking/ online NEFT transaction. All payments including EMD should be made through online, but 18% of GST of tender fee should be remitted to GST department and should upload the receipt in the E procurement portal.

Sl. No	Item	Tender Fee in Rupees (₹) (Inclusive of 18% GST)			EMD (₹)
		Excluding GST	GST (18 %)	Total	
1	Scientific/ Laboratory Equipment for Dept. of Physics	3700	666	4366	24500

2. Custom Clearance of the consignment including all the stages of custom clearance will be under the purview of supplier.

3. The tender should be submitted in two cover system (Technical bid & Financial bid). The bidders shall keep their rate firm for a period of **120 days**.

4. 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 fulfilment of the contract.

5. The bidder should be registered company/firm. Certificate of incorporation/Company registration certificate/Memorandum and Articles of Associations/Valid GST registration certificate/Valid Income tax registration certificate/Valid Service tax registration certificate should produce along with the tender.

6. 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.

7. Profile of Bidder as per Annexure1 shall be provided.

8. The bidder should have the responsibility to attend the first level service if any complaint report. The bidder should provide minimum one preventive maintenance during warranty period. Relevant documents or undertaking signed by the personnel with address and contact person's name, phone no, and URL of complaint

logging website to be submitted. In case, if the bidder doesn't have their own service centre and the bidder authorize another service centre/service Engineers for attending service, an agreement with the authorized service agency, in Kerala State Stamp paper, worth Rs.200/- should be attached with the Tender Document for ensuring service condition during warranty.

9. The earnest money deposit (EMD) 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.

10. Forfeiture of EMD:

(i) If any bidder withdraws from his tender before the expiry of the bid validity period specified **or**
(ii) in case after being successful bidder, he/firm fails to sign the contract, and to furnish the performance security.

11. The bid shall contain detailed technical specifications, Brochures and pamphlets of all items quoted.

12. All the claimed specifications (make, model, year of manufacture, warranty etc.) should be mentioned in the Brochure or Catalogue of the equipment.

13. All charges, taxes, duties and levies should be clearly indicated and the rate tendered should be inclusive of all taxes and other charges.

14. Cost of additional/extended warranty, if applicable should be separately quoted.

15. The installation, commissioning and the initial operation will be the responsibility of the supplier.

16. 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.

17. The payment will be made after completion of supply, installation and commissioning.

18. Bidders shall invariably specify in their tenders the delivery conditions including the time required for the supply of articles tendered for.

19. Bidders shall clearly specify whether the goods are offered from indigenous sources, from imported stocks in India, or from foreign sources to be imported under a license. University reserves the right to reject offers for import of goods if the import Trade Control Policy in force at the time of award of the contract prohibits or restricts such imports.

20. 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.

21. 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.

22. 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 the balance alone shall be refunded.

23. All payments to the contractors will be made by the University in due course on submission of the invoice, by way of cheques or drafts.

24. The bidder shall undertake to supply materials according to the standard sample and /or specifications.

25. No representation for enhancement of rates once accepted will be considered.

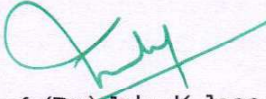
26. Bidders should be prepared to accept orders subject to the penalty clause for forfeiture of security in the event of default in supplies or failure to supply within the stipulated period.

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

28. Special conditions, if any, of the bidders attached with the tenders will not be applicable to the contract unless they are expressly accepted in writing by the purchaser.
29. The bidder should upload along with his tender an agreement executed and signed in Kerala Stamp Paper of value Rs.200/- purchased in Kerala State. Tenders without the agreement in stamped paper will be rejected outright. But in deserving cases where agreement has not been received, the Registrar may exercise his discretion and call upon such bidder to execute the agreement within a period of ten days from the date of issue of such intimation, if the Registrar is satisfied that the omission to forward the agreement along with the tender was due to causes beyond the control of the bidder and was not due to any negligence on his part. Agreement received from a bidder after the above time limit will not be considered. [Format of agreement appended].
30. The bidder shall quote their rate in the standard BOQ provided indicating the break up details.
31. The purchaser reserves the option to give price preference to the offers from Public Sector units and or Small scale /Cottage Industries/Units over those from the other units in accordance with the policies of the Government from time to time.
32. The supplier shall ensure the quality of the stores supplied.
33. The provisions of Kerala Stores Purchase Manual are applicable to this Tender and further proceedings.
34. The University reserves all rights to accept or reject any or all the tenders without assigning any reason whatsoever at its discretion.
35. 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, the tenders will be opened on the next working day, at the same time.
36. Prices shall be quoted in Indian currency only.

DOCUMENTS TO BE SCANNED AND UPLOADED

1. Bidder Profile (as per format mentioned in Annexure 1)
2. Bid Particulars (as per format mentioned in Annexure 2)
3. Scanned copy of valid registration certificate (GST) & PAN Card
4. Scanned copy of Preliminary Agreement in Stamp Paper of Rs.200/- (as per format mentioned in Annexure 3)
5. Scanned copy of relevant Brochure of the equipment including make & model and copy of its certifications like ISO certification.
6. Copy of GST payment receipt (18% of tender fee) of tender fee (MSME firms should upload MSME certificate/ UDAYAM registration certificates).


Prof. (Dr.) Joby K Jose
Registrar

**ANNEXURE 1
BIDDER PROFILE**

Sl.No.	Particulars	
Details of bidder (Firm/Company)		
1	Name	
2	address	
3	Telephone & Fax	
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
TECHNICAL BID (BID PARTICULARS)

- 1. Tender Number :-----
- 2. Name of the Bidder :-----
- 3. Full Address of the Bidder :-----
- 4. Name of the actual signatory of the product(s) offered :-----
- 5. Bidder's proposal number and date :-----
- 6 . Name & Address of the officer to whom all references shall be made regarding the Tender :-----

Telephone :-----
Fax :-----
E-mail :-----

Bidder Signature Name -----
Designation -----
Company -----
Date -----

ANNEXURE – 3

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 fulfilment 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.

Validity unknown

Digitally signed by SAJJIVAN M
Date: 2025.04.15 10:33:14 PDT
Location: Kerala-K

