



UNIVERSITY OF KERALA

Thiruvananthapuram, Kerala, India – 695034

(Established as University of Travancore by the Travancore University Act in 1937 and reconstituted as University of Kerala by the Kerala University Act of 1957 and presently governed by the Kerala University Act of 1974 passed by the Kerala State Legislative Assembly)
(Re-accredited by NAAC with 'A++' Grade)

48765/Ad BIV A/2024/UOK
04.12.2024

E-TENDER NOTICE (Re-notification)

Competitive Tenders are invited from the reputed Manufactures/Firms /Suppliers for the supply and installation of the Automated Vibrating Blade Microtome, with the following specification by the Department of Biochemistry, University of Kerala, Kariavattom Campus, Thiruvananthapuram.

Bid submission start date	06.12.2024
Last date and time for submission of tender online	13.12.2024, 05.00 PM
Date and time of opening of bid	17.12.2024 10.30 AM
Tender Fee	Rs.7080/-
Cost of EMD	Rs.30,000/-
Completion/delivery period	60 days
For technical details, contact	Dr. Viji Vijayan, Assistant Professor Department of Biochemistry, University of Kerala Ph. No. 9074529255 e-mail: vijivijayan@keralauniversity.ac.in

TECHNICAL SPECIFICATIONS

1. A Fully Automated Vibrating Blade Microtome is required for sectioning unfixed specimens from Neurobiology (Patch clamp).
2. The equipment must be a robust instrument with blade holder and adjustment screw, to minimize the vertical deflection of the blade below 1 µm.
3. There must be a separate control panel - foil protected.
4. There must be an automatic specimen retraction during blade return stroke and automatic specimen feeding prior to each section.
5. There must be a support for removable ice tray, buffer tray, blade holder and vertical deflection of the blade.
6. Horizontal stroke: 45 mm
7. Blade holder: rotatable by 90-degree, clearance angle adjustment of 15-degree, 18 degree or 21 degree
8. There should be 8 individually programmable parameter settings
9. Motorized blade holder travel speed adjustable:
 - a. -Between 0.01 - 1.5 mm/s in:





- b. -0.01 - 0.1 in 0.01 mm/s steps
 - c. -0.1 - 0.5 in 0.02 mm/s steps
 - d. -0.5 - 1.5 in 0.1 mm/s steps
10. Accelerated motorized blade return travel speed of 2.5 mm/s
 11. Amplitude adjustment: 0-3 mm in 0.05 mm steps
 12. Frequency: 85 Hz +/- 5 Hz
 13. There should be selection between semi-motorized or fully automatic cutting mode
 14. Two fully motorized cutting modes: Single or continuous mode.
 15. Specimen retraction during blade holder return
 16. Stroke adjustable between 0 and 100 μ m steps.
 17. Manual blade forward and return speed adjustable between 1-5 mm/s in 0.5 mm/s steps.
 18. Selection between vibration on or off during manual blade forward or return movement to approach specimen.
 19. "Up" button for fast approach of the specimen to the blade.
 20. "Down" button for fast approach of the home position for safe and fast specimen change.
 21. Adjustment screw for manual feeding prior to each section (if using semiautomatic mode).
 22. Adjustable step sizes for manual feeding: 1, 10 or 100 μ m.
 23. Memo button to save selected section thickness.
 24. Section thickness totalizer, re-settable at any position.
 25. Integrated LED-illumination, individually programmable in 5 steps.
 26. Adapter for magnifier or microscope carrier.
 27. 3-year comprehensive warranty
 28. Proof of recent installation in reputed companies or institutions
 29. Technical support available in South India and proof of technical support for the last 5 years
 30. Minimum 2-3 references of scientists/ institutes appreciating the support from the company. Proof of publication is a must. DOI number to be shown for reference.

TERMS AND CONDITIONS

1. Every Tenderer should submit a tender fee of **Rs. 7080/- (Rupees Seven Thousand and Eighty Only)**
2. Every Tenderer should submit an Earnest money Deposit EMD of **Rs. 30,000/- (Rupees Thirty Thousand Only)**
3. Incomplete & conditional tenders and tenders received after the due date will be summarily rejected without assigning any reasons thereof.
4. The price should be inclusive of all taxes, duties, transportation, insurance, installation etc. Nothing extra will be paid in addition to the quoted rate. Any amount in Indian rupees for installation, commission, labour, service etc shall be entered in BoQ.
5. **Compliance Statement:** Along with the technical details provide a tabular column indicating whether the equipment quoted by you meets the specifications by indicating 'YES' or 'NO'. If 'YES', support the claim by providing original brochures. Vendors should provide clear brochures/data sheets about the software and its working. Also include adequate proof for the claim regarding the performance in terms of quality research publications is a must.
6. **Reference:** Names of Institutes with contact person and telephone/email where similar equipment supplied by you in India [Preferably South India] shall be mentioned in the statement. The office must have been performing at least for 1 year. Proof to be



Kerala Tenders		eTendering System Government of Kerala	
Tender Details			
		Date : 04-Dec-2024 04:44 PM	
 Print			
Basic Details			
Organisation Chain	Kerala University		
Tender Reference Number	48765/Ad BIV A/2024/UOK		
Tender ID	2024_KU_712677_1	Withdrawal Allowed	Yes
Tender Type	Open Tender	Form of contract	Supply and Service
Tender Category	Goods	No. of Covers	2
General Technical Evaluation Allowed	No	ItemWise Technical Evaluation Allowed	No
Payment Mode	Online	Is Multi Currency Allowed For BOQ	No
Is Multi Currency Allowed For Fee	No	Allow Two Stage Bidding	No
Payment Instruments		Cover Details, No. Of Covers - 2	
Online Bankers	S.No	Bank Name	
	1	SBI MOPS	
Cover No	Cover	Document Type	Description
1	Fee/PreQual/Technical	.pdf	Detailed technical brochure
		.pdf	undertaking of support for warranty period
		.pdf	copy of research publications that shows the use of the model no and make of the equipment
		.pdf	proof of recent installation in reputed companies or institutions
		.pdf	Technical support available in South India and proof of technical support for last 5 years
		.pdf	Minimum 2-3 references of scientists / institutes appreciating the support from the company





**Kerala
Tenders**

		.pdf	signed compliance matrix
2	Finance	.xls	BOQ
		.pdf	boq
		.pdf	DD / Hard copy of bank guarantee if opted

Tender Fee Details, [Total Fee in ₹ * - 7,080]				EMD Fee Details			
Tender Fee in ₹	7,080			EMD Amount in ₹	30,000	EMD Exemption Allowed	Yes
Fee Payable To	Nil	Fee Payable At	Nil	EMD Fee Type	fixed	EMD Percentage	NA
Tender Fee Exemption Allowed	Yes			EMD Payable To	Nil	EMD Payable At	Nil


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Work / Item(s)					
Title	Supply and installation of Automated Vibrating Blade Microtome for the Department of Biochemistry,				
Work Description	Supply and installation of Automated Vibrating Blade Microtome for the Department of Biochemistry, Kariavattom				
Pre Qualification Details	Please refer Tender documents.				
Independent External Monitor/Remarks	NA				
Show Tender Value in Public Domain	No				
Tender Value in ₹	30,00,000	Product Category	Laboratory and scientific equipment	Sub category	NA
Contract Type	Tender	Bid Validity(Days)	180	Period Of Work (Days)	NA
Location	Department of Biochemistry, Kariavattom	Pincode	695581	Pre Bid Meeting Place	NA
Pre Bid Meeting Address	NA	Pre Bid Meeting Date	NA	Bid Opening Place	Senate House Campus, Palayam
Should Allow NDA Tender	No	Allow Preferential Bidder	No		

Critical Dates			
Publish Date	04-Dec-2024 04:45 PM	Bid Opening Date	17-Dec-2024 10:30 AM
Document Download / Sale Start Date	04-Dec-2024 04:50 PM	Document Download / Sale End Date	13-Dec-2024 05:00 PM
Clarification Start Date	NA	Clarification End Date	NA
Bid Submission Start Date	06-Dec-2024 09:00 AM	Bid Submission End Date	13-Dec-2024 05:00 PM

Tender Documents				
NIT Document	S.No	Document Name	Description	Document Size (in KB)
	1	Tendernotice_1.pdf	Tender notice	308.07
Work Item				



Documents	S.No	Document Type	Document Name	Description	Document Size (in KB)
		1	Tender Documents	Retendernotice.pdf	Tender notice
	2	BOQ	BOQ_1121560.xls	BOQ	298.00

Bid Openers List

S.No	Bid Opener Login Id	Bid Opener Name	Certificate Name
1.	easiril@keralauniversity.ac.in	E A Siril	Siril E A
2.	janeeshbiochemistry@keralauniversity.ac.in	JANEESH P A	Janeesh P A
3.	rameshts.70@gmail.com	RAMESH T S	RAMESH. T S
4.	ksanilksitm@gmail.com	Anil Kumar K S	ANIL KUMAR K S

Tender Properties

Auto Tendering Process allowed	No	Show Technical bid status	Yes
Show Finance bid status	Yes	Stage to disclose Bid Details in Public Domain	Technical Bid Opening
BoQ Comparative Chart model	Normal	BoQ Compative chart decimal places	3
BoQ Comparative Chart Rank Type	L	Form Based BoQ	No

Tender Inviting Authority

Name	The Registrar, University of Kerala
Address	University of Kerala, senate House Campus, Palayam, Thiruvananthapuram, 695034

Tender Creator Details

Created By	Anil Kumar K S
Designation	Registrar
Created Date	04-Dec-2024 04:34 PM

