

## **Department of Zoology, University of Kerala**

**Kariavattom, Thiruvananthapuram, Kerala, India – 695 581**

**26/05/2023**

### **E-Tender Notice**

Department of Zoology, University of Kerala, Kariavattom invites open tenders through Procurement (in two bid system), from reputed manufacturers/authorized distributors/Indian Agents for the purchase of the equipment “**Cryostat**” for establishing augmentation lab in the “**Advanced Centre for Regenerative Medicine and Stem Cell Research in Cutaneous Biology**” sanctioned under PLEASE scheme.

Last date and time for submission of tender online	<b>26/06/2023: 5 PM</b>
Date and time of opening of Technical bid	<b>29/06/2023: 11AM</b>
Date and time of opening of Financial bid	After technical Evaluation.
For technical details contact	<b>Dr.Sreejith.P. Assistant Professor, Dept. of Zoology, University of Kerala</b> <b>Mob: 9496793794</b>

## TECHNICAL SPECIFICATIONS

Sl. No.	Specification	Description	Compliance (Yes/No)	Remarks if any
1	Type	Freestanding cryostat with encapsulated, splash-proof microtome		
2	Section thickness selection	1 - 100 $\mu\text{m}$		
3	Total specimen feed	Approx. .25 mm		
4	Vertical specimen stroke	Approx.59 mm		
5	Maximum specimen speed	55 x 55 mm or 50 x 80mm		
6	Temperature range	+10 $^{\circ}\text{C}$ to +35 $^{\circ}\text{C}$		
7	Temperature range during storage	+5 $^{\circ}\text{C}$ to +55 $^{\circ}\text{C}$		
8	Relative humidity	max. 80% non-condensing		
9	Humidity during storage	< 8%		
10	Disinfection System	UV light surface disinfection		
11	Cooling System	Ag Protect Nano silver coating with Peltier cooling system		
12	Specimen retraction	Specimen retraction that should be deactivated		
13	Blade holders	Premium blade holder for high- and low-profile disposable blades		
14	Cryochamber	<ul style="list-style-type: none"> <li>• Should be Spacious, stainless-steel cryochamber with antiglare illumination</li> <li>• Easy to clean and disinfect</li> <li>• Temperature range: 0 <math>^{\circ}\text{C}</math> to -35 <math>^{\circ}\text{C}</math>, <math>\pm 5</math></li> <li>• Cooling time RT to -25<math>^{\circ}\text{C}</math>: approx. 5 h</li> <li>• Cooling time RT to -35<math>^{\circ}\text{C}</math> approx. 6 h</li> <li>• Should have Automatic Defrost: automatic hot gas defrosting, temperature and time controlled manual defrosting on demand</li> </ul>		
15	Sliding Window	Heated, removable sliding window		

16	Protection	<ul style="list-style-type: none"> <li>• Should have designated finger guard that covers the blade at resting.</li> <li>• Should have Blade ejector and magnetic brush must enable to safely remove the blade from the blade holder without touching it</li> </ul>		
17	Interphase	Easily readable LED displays for provide all relevant functions		
18	Power requirements	220-230 V, 50-60 HZ		
19	Accessories	<ul style="list-style-type: none"> <li>• Cryo embedding mold</li> <li>• Embedding well bar</li> <li>• Specimen stage square</li> <li>• Voltage stabilizer</li> </ul>		
20	Service and protection	<ul style="list-style-type: none"> <li>• 3 years Warranty from the date of installation</li> <li>• Five years Comprehensive AMC</li> <li>• Nearest Service station in South India, preferably in Kerala</li> <li>• Performance certificate with two phone number</li> <li>• Relevant supporting documents have to be submitted</li> <li>• Data sheet should be submitted.</li> </ul>		

### **Terms and Conditions**

1. Every tenderer should submit Tender fee of **Rs. 2,500/-**.
2. Every tenderer should submit Earnest Money Deposit (EMD) of **Rs. 25,000/-**.
3. Quantities can be increased or decreased by purchaser and bidder has to supply deviated quantities at the rates prescribed and approved by the purchaser in the tender document. Purchase of optional items will be finalized at the time of financial evaluation. However, the bidder must quote the optional items. The bidder should quote all items; partial quote will not be accepted.
4. **Original Equipment Manufacturer (OEM) Certificate/ Undertaking:** If the bidder is not an OEM, Certificate of authorized dealership/ distributorship from the OEM for technical support to the bidder and supply of spares shall be furnished.
5. Incomplete & conditional tenders and tenders received after the due date will be

summarily rejected without assigning any reasons thereof.

6. Commercial bids of short-listed vendors will only be opened. Please note that the Vendor(s) who do not qualify in the technical bid will not be considered for commercial bid.
7. The bidder must not sub-contract the work to other providers.
8. The prices quoted must be on **“all-inclusive till destination”** basis. The prices quoted should be inclusive of all Taxes, Insurance, Freight, Packing & Forwarding Charges, Handling, Delivery Charges, installation charges etc.
9. **Payment terms:** Payment against delivery and successful installation of the equipment in the department.
10. The configuration given is the minimum configuration that is/are required. Vendors may choose to supply higher/better/ enhanced systems/peripherals, but their financial quotes shall be treated as if they have been offered for the specified configuration only.
11. The Bidder shall bear all the costs associated with the preparation of the documents, submission of its bid and we will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.
12. The bid shall be typed and shall be signed by the bidder or a person duly authorized to bind the bidder to the contract.
13. The bid shall contain no interlineations, erasures or overwriting except as necessary to correct errors made by the Bidder. In such case the person or persons signing the bid shall initial such corrections.
14. The bidder is expected to examine all instructions, forms, terms, condition, and technical specifications in the tender Documents. Failure to furnish all information required by the tender Documents or submission of a bid not substantially responsive may result in the rejection of its bid.
15. The bidders shall give undertaking that all the Components used in the equipment shall be original make as per the technical specifications submitted and the hardware/software shall be supplied with the authorized license certificates, if found contrary the supplier shall replace the component/equipment with original one at their own cost.
16. **Validity of tender:** Tender submitted shall remain valid at least for 90 days from the date of opening the tender. Validity beyond three months from the date of opening of the tender shall be by mutual consent.
17. **Delivery and installation:** Proposed delivery schedule should be mentioned clearly. **Delivery and installation should be made at the Department of Zoology, University of Kerala, Kariavattom Campus Trivandrum - 695581, without any extra cost. Complete**

**installation, testing and demonstration of the system and day to-day maintenance are to be provided at site** (inclusive of documentation, demurrage, customs duty, clearance and transportation charges). University of Kerala will provide customs duty exemption certificates if required.

**18.** The Supply and installation of items must be made within four weeks from the date of issue of supply order. Delay in supply will lead to penalty @1% of the value of tender for every week of delay or part thereof. (i.e. exceeding three days will be calculated as one week). If it is found that the items so supplied are not as per supply order specifications, the supply made will be rejected and Earnest Money Deposit will be forfeited. For those bidders submitting tenders for more than one instrument, separate applications for each instrument must be placed in individual sealed envelopes. Only one model can be quoted in a tender. If the tenderer wants to quote for more than one model separate tenders should be submitted. If more than one model is quoted in a single tender it will be summarily rejected.

**19. Warranty period: Three years warranty from the date of installation. The service provider should be available within 24 hours and preferably in Kerala.**

**20. AMC: five years fixed rate for Comprehensive AMC.**

**21. A performance certificate with two phone numbers should be submitted (from an authorized govt. institute)**

**22.** In case of any dispute, the decision of the University authority shall be final and binding on the bidders. The undersigned reserves the right to reject any or all of the tenders received without assigning any reason thereof.

**Documents to be uploaded:**

1. Signed Compliance Matrix
2. Detailed Technical Brochure
3. BoQ
4. Detailed Financial Bid in pdf format.

**Registrar**