

Department of Zoology, University of Kerala
Kariavattom, Thiruvananthapuram, Kerala, India - 695 581

22/05/2023

E-Tender Notice

Department of Zoology, University of Kerala, Kariavattom invites open tenders through e-Procurement (in two bid system), from reputed manufacturers/authorized distributors/ Indian Agents for the purchase of the equipment “**Stereo Zoom Microscope with 10Mp Camera**”, for **establishing augmentation lab in the “Advanced Centre for Regenerative Medicine and Stem Cell Research in Cutaneous Biology”** in the Department .

Last date and time for submission of tender online	22/06/2023: 5 PM
Date and time of opening of Technical bid	26/06/2023: 11AM
Date and time of opening of Financial bid	After technical Evaluation.
For technical details contact	Dr. Sreejith.P. Assistant Professor, Dept. of Zoology, University of Kerala Mob: 9496793794

TECHNICAL SPECIFICATIONS

Sl.No:	Specification	Description	Compliance (Yes/No)	Remarks if any
1.	Optical system, lead free	10° Greenough technology system for observation, with Apochromatic, corrected optics and LED light source with variable intensity adjustment		
2.	Magnification	6x - 55x		
3.	Zoom	Distortion-free, 9:1		
4.	eyepieces	10x/23 high eyepoint with adjustable diopters.		
5.	Interpupillary distance	50-76 mm		
6.	Viewing angle	35°/ 30°		
7.	Object field diameter	35mm to 37 mm		
8.	Depth of field	Minimum 11 mm		
9.	Maximum resolution	500 lp/mm		
10.	protection	provide a cover to protect the equipment from dust and should be antistatic.		
11.	Click-stops	10x,20x,30x,40x, and 50x		
12.	LED stand	incident and transmitted light.		
13.	Ring light	4-point ring light for high brightness, 3-point arc light for oblique		

		illumination		
14.	Integrated power supply	100 - 240V		
15.	Integrated Camera	10 MP resolution Live image up to 35 fps (1,024 x 768 pixels)		
16.	CMOS Pixel size	1.67 μm x 1.67 μm		
17.	Communication port	<ul style="list-style-type: none"> • USB mode: Live stream images via USB mode to connect the camera directly with a PC or Mac via USB2 cable. • Ethernet mode: to connect the camera facility's network via Ethernet (RJ45) cable • HDMI mode: connects the camera to a large HD-monitor for a standalone operation without a computer. 		
18.	Software requirement	<ul style="list-style-type: none"> • Image analyzer software for all linear measurements, Processing, calibration, capability of Insertion of Annotation/micron bar. 		
19.	Branded PC	<ul style="list-style-type: none"> • Processor: Intel Core i5, 11th generation por higher. • Chipset: Compatible Chipset • Motherboard: OEM Motherboard • Hard Disk Drive: 512 GB SSD • Graphics Adapter: High end Graphics adapter with 1.0 GB memory. • Monitor: 21.5" or larger TFT/LED Digital. • Keyboard: USB interface. Keyboard. Same make as PC. • Mouse: Optical with USB 		

		<p>interface. Same make as PC.</p> <ul style="list-style-type: none"> • Ports: 6 USB Ports or more (at least 2 USB 3.0 ports and two ports in front panel (atleast 1 should be USB 3.0). • Networking facility: 10/100/1000 on board integrated Network Port , & Wi-Fi 802.11 b/ g/ n connectivity. • Warranty: Minimum 3- year comprehensive on-site warranty including Monitor, Mouse. • Keyboard Operating System: Windows 11 Home. 		
20.	License	<ul style="list-style-type: none"> • For Software is required 		
21.	Accessories	1kva Double battery backup UPS.		
22.	Installation	Installation and training should be given by an expert technician of the company		

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. 5,000/-**.
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 year comprehensive on-site warranty (including Monitor, Mouse). If any of the components is found to be defective during the warranty period, the vendor has to replace the defective item immediately, to the satisfaction of the University, at their own cost. The service provider should be available within 24 hours and preferably in Trivandrum.

20. 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