

**Department of Biotechnology,
University of Kerala, Kariavattom,
Thiruvananthapuram-695581, Ph. No. 0471 2308778**

TENDER NOTICE

No. Bio-Tech/Plan-Purchase/2024-25/006

Date: 04.10.2024

Sealed competitive tenders are invited from competent vendors/suppliers within Kerala for the supply of: **Inverted bright field & Phase Contrast Microscope with Camera, Wifi/HDMI, HD Monitor and Software** for **Department of Biotechnology, University of Kerala, Kariavattom Campus, Thiruvananthapuram.** as per the technical specification and terms of condition mentioned in the tender document.

Technical Specification of Inverted bright field & Phase Contrast Microscope with Camera, Wifi/HDMI, HD Monitor and Software

Observation mode	Bright field, phase contrast.
Head	Trinocular (2-position 100/0, 50/50), 45° inclined
Interpupillary distance	Adjustable between 50 and 75 mm.
Dioptric adjustment	On the left eyepiece tube
Eyepieces	WF10x/22 mm, high eye-point and with rubber cups
Nosepiece	Quintuple revolving nosepiece, rotation on ball bearings
Objectives	IOS LWD W-PLAN PH 10x/0.25 IOS LWD W-PLAN PH 20x/0.40 IOS LWD W-PLAN PH 40x/0.65 All with anti-fungus treatment.
Specimen stage	Fixed stage, 250x160 mm, with glass and metal stage inserts
Focusing	Coaxial coarse (adjustable tension) and fine focusing mechanism with limit stops to prevent the contact between objective and specimen.
Condenser:	LWD pre-centered condenser, N.A. 0.30, W.D. 72 mm. With 4x/10x, 20x/40x phase contrast slider and bright field. Removable to extend the working distance up to 150 mm.

Transmitted illumination	X-LED8 with white 8 W LED (6,300K) with brightness control. With aperture diaphragm
Power Supply	Multi-plug 100-240Vac/6Vdc external power supply.
Warranty	Minimum two years
Camera and Accessory Specification	
Camera	High resolution camera,1080p,5MP CMOS, WiFi/HDMI, Multi-Plug, Up to 5 MP images, Reliable color fidelity
Monitor	Full HD monitor minimum size 11” with Tilting feature
Screen	Large screen with fast, responsive and smooth control
Software	Simple, intuitive operation with powerful software, Universal connection to any microscope brand, Downloadable, free of charge software.
Accessories	Dual output mode (HDMI/Wi-Fi), HDMI cable, wireless mouse and SD card
Warranty	Minimum 2years

The cost of tender form and Earnest Money Deposit (EMD) should be submitted as Demand Draft (DD) issued from a Nationalised/Scheduled Banks, drawn in favour of the Finance Officer, University of Kerala, payable at State Bank of India, Kerala University Office Campus (KUOC) Branch (IFS Code: SBIN0070292), as described below:

Cost of Tender Form	Rs.1180/-(1000+18% GST)
Earnest Money Deposit (EMD)	Rs.4900/-

The cost of tender form will not be refunded and the separate DD towards the cost of the tender form and the EMD should be submitted. For more details, please log on to www.keralauniversity.ac.in.

Tenderer Details

Registered Name and Address of Tenderer	
Address for communication	
Other contact information Telephone Office : Mobile : Email : FAX :	
Signature	

FORM OF TENDER

From

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.....
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To

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Sir,

I/We hereby tender to supply, under the annexed general conditions of contract, the whole of the articles referred to and described in the attached specification and schedule, or any portion thereof, as may be decided by the University of Kerala, Thiruvananthapuram at the rates quoted against each item. The articles will be delivered within the time and at the places specified in the schedule.

*I/We am/are remitting/have separately remitted the required amount of Rs.....
(Rupees.....only) as earnest money.

Yours faithfully

(Signature).....

(Address).....

Date.....

* To be scored in cases where no earnest money deposit is furnished.

Important: This tender form may be printed on A4 size paper. Editing of the pre- printed text in the tender form in any way other than as indicated (like ticking, filling in with ink/typing, scoring off inapplicable material etc.) will render the tender form invalid and liable for rejection.

Technical Specification and compliance statement

Inverted bright field & Phase Contrast Microscope with Camera, Wifi/HDMI, HD Monitor and Software - 1 no

Specify Make/Model:			
Parameters	Technical Specification	Compliance (Yes/No)	Remarks
Observation mode	Bright field, phase contrast.		
Head	Trinocular (2-position 100/0, 50/50), 45° inclined		
Interpupillary distance	Adjustable between 50 and 75 mm.		
Dioptric adjustment	On the left eyepiece tube		
Eyepieces	WF10x/22 mm, high eye-point and with rubber cups		
Nosepiece	Quintuple revolving nosepiece, rotation on ball bearings		
Objectives	IOS LWD W-PLAN PH 10x/0.25 IOS LWD W-PLAN PH 20x/0.40 IOS LWD W-PLAN PH 40x/0.65 All with anti-fungus treatment.		
Specimen stage	Fixed stage, 250x160 mm, with glass and metal stage inserts		
Focusing	Coaxial coarse (adjustable tension) and fine focusing mechanism with limit stops to prevent the contact between objective and specimen.		
Condenser:	LWD pre-centered condenser, N.A. 0.30, W.D. 72 mm. With 4x/10x, 20x/40x phase contrast slider and bright field. Removable to extend the working distance up to 150 mm.		
Transmitted illumination	X-LED8 with white 8 W LED (6,300K) with brightness control. With aperture diaphragm		
Power Supply	Multi-plug 100-240Vac/6Vdc external power supply.		

	Warranty	Minimum two years		
Camera and Accessory Specification				
Specify Make/Model:				
	Camera	High resolution camera,1080p,5MP CMOS, WiFi/HDMI, Multi-Plug, Up to 5 MP images, Reliable color fidelity		
	Monitor	Full HD monitor minimum size 11” with Tilting feature		
	Screen	Large screen with fast, responsive and smooth control		
	Software	Simple, intuitive operation with powerful software, Universal connection to any microscope brand, Downloadable, free of charge software.		
	Accessories	Dual output mode (HDMI/Wi-Fi), HDMI cable, wireless mouse and SD card		
	Warranty	Minimum 2years		

General Tender Terms & Conditions for technical verification

1. Tenderers who are black listed by State / Central Government departments and organizations are not eligible to participate in this tender and such tender will be summarily rejected.
2. The Tenderer should have registered office/Own service centre in Kerala preferably in Thiruvananthapuram.
3. Compliance Statement should be submitted separately that includes all parameters including Make and Model of the quoted item, as in specification.
4. Detailed equipment data sheet should be submitted.
5. All the items must have a warranty period, as mentioned in the specification.

GENERAL CONDITIONS

Sealed tenders are invited for the supply of the materials as specified in schedule attached below.

1. The tenders should be addressed to the **Department of Biotechnology**, University of Kerala in a sealed cover with the tender number and name – “Tenders for the supply and installation of One number of **Inverted bright field & Phase Contrast Microscope with Camera, Wifi/HDML, HD Monitor and Software for Department of Biotechnology, University of Kerala, Kariavattom Campus, Thiruvananthapuram,**” duly superscribed on the cover.

2. The cost of tender forms once paid will not be refunded. Tenders which are not in the prescribed form are liable to be rejected. The rates quoted should be only in Indian currency. Tenders in any other currency are liable to rejection.

3. Intending tenderers should send their tenders so as to reach the officer mentioned in the tender notification, on or before the due date and time noted therein. No tender received after the specified date and time will be accepted on any account. The rates will be considered firm for acceptance till the date mentioned therein. Tenders not stipulating period of firmness and tenders with price variation clause and/or ‘subject to prior sale’ condition are liable to be rejected.

4. (a) Every tenderer who has not registered his name with the State Government (Stores Purchase Department), should send along with his tender, an earnest money of Rs.4,900. The amount may be paid by remitting as Demand Draft (DD) drawn in favour of the Finance Officer, University of Kerala, Thiruvananthapuram, as described in the tender notification. Cheques will not be accepted. The earnest money of unsuccessful tenderers will be returned as soon as possible after the tenders are settled.

(b) Tenderers whose names are registered with Government (Stores Purchase Department) are generally exempted from furnishing earnest money for such articles for which they have registered their names. If they tender for stores other than those for which they have registered their names, they will have to furnish earnest money as in the case of unregistered firms. Registered firms will have to quote invariably in every tender they submit, the registration number assigned to them by the Stores Purchase Department. Attested copy of registration certificate may be enclosed with the tender for reference.

(c) Micro, Small & Medium Enterprises and Cottage Industries and Industrial co-operatives within the State which are certified as such by the Director of Industries and commerce or by the Regional Joint Directors of Industries and Commerce will be exempted from furnishing earnest money deposits in support of tenders submitted by them. The Khadi and village Industries

Cooperative Societies and the institutions registered under the Literary, Scientific and Charitable Societies Act and financed by the Kerala Khadi and Village Industries Board within that State which are certified as such by the Secretary, Kerala Khadi Village Industries Board will be exempted from furnishing earnest money deposits in support of tenders submitted by them. Government Institutions/State Public Sector Industries which manufacture and supply stores will also be exempted from furnishing earnest money for tenders submitted by them. Attested copy of the same may be enclosed with the tender for the exemption of earnest money.

(d) In the matter of purchase of stores by the State Government Departments, Small Scale Industrial Units sponsored by the National Small Scale Industries Corporation Limited, New Delhi and in respect of which competency certificates are issued by the Corporation will be exempted from payment of Earnest Money Deposits. Attested copy of the same may be enclosed with the tender for the exemption of earnest money.

5. The tenders will be opened on the appointed day and time in **Department of Biotechnology**, in the presence of such of those tenderers or their nominees who may be present at that time.

6. If any tenderer withdraws from his tender before the expiry of the period fixed for keeping the rates firm for acceptance, the earnest money, if any deposited by him will be forfeited to University of Kerala or such action taken against him as the University think fit.

7. Tenderers shall invariably specify in their tenders the delivery date and the time for the supply of tendered articles, as per the tender notification.

8. The final acceptance of the tenders rest entirely with the University who do not bind themselves to accept the lowest or any tender. But the tenderers on their part should be prepared to carry out such portion of the supplies included in their tender as may be allotted to them.

9. In the case of materials of technical nature the successful tenderer should be prepared to guarantee satisfactory performance for warranty period.

10. In cases where a successful tenderer, 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 tenderer 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 tenderer.

11. Payments will be made only after the supplies are actually verified and taken to stock. The firms will produce stamped pre-receipt for releasing the payment, after the satisfactory supply/installation of the items at our site.

12. The contractor shall not assign or make over the contract or the benefits or burdens thereof to any other person or body corporate. The contractor shall not underlet or sublet to any person or persons or body corporate the execution of the contract or any part thereof without the consent in writing of the Registrar who shall have absolute power to refuse such consent or to rescind such content (if given) at any time if he is not satisfied with the manner in which the contract is being executed and no allowance or compensation shall be made to the contractor or the sub-contractor upon such recession. Provided always that is such consent be given at any time, the contractor shall not be relieved from any obligation, duty or responsibility under this contract.

13. The tenderer shall undertake to supply materials according to the standard sample and/ or specifications mentioned in the Tender Document.

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

15. Any attempt on the part of the tenderers or their agents to influence the University in their favour by personal canvassing with the officers concerned will disqualify the tenderers.

16. Tenderers should be prepared to accept orders subject to the penalty clause for forfeiture of earnest money in the even of default in supplies or failure to supply within the stipulated period.

Sl. No	Item Name	Quantity (Nos)	Rate (rupees)	Total Rate (Qty x Rate)	GST Rate (%)	GST Amount	Total Amount (Total Rate + GST Amount (incl GST))	Remarks
1	Inverted bright field & Phase Contrast Microscope with Camera, Wifi/HDMI, HD Monitor and Software (as per the specification mentioned in the Tender Notice)							

- Rate quoted should be inclusive of all charges such as packing, forwarding, freight, loading/unloading/handling or installation charges and Government duties leviable, if any.
- Rate quoted should be inclusive of GST, transportation charges, installation charges and any other charges.
- Period within which goods should be delivered: deliver the items within 15 days of placing the Supply Order.
- Other special conditions: Defective items, if any, supplied should be rectified/replaced to the satisfaction of the University by the suppliers at their own cost.

17. The price quoted should be applicable to the educational institutions.

18. **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:** Maximum warranty has to be given for the item (minimum of two years) and the supplier shall guarantee to repair/replace the items or its part, if found defective within the warranty period. The entire expenditure for repair/replace the item in this regard shall be borne by the supplier.

20. **Service facility:** Supplier should mention their details of service setup and manpower in Trivandrum who are responsible for after sales service.

21. **The prices quoted should clearly indicate the 4 following charges:** Price of the material including taxes; Price of optional accessories if any; Customs duty (after submission of custom and excise exemption certificate); Customs Clearance Charges, transportation charges and installation charges. If these details are not provided it will be considered that the price quoted is inclusive of all charges.

22. **Performance Certificate of the specified model should be attached along with the tender.**

23. **Other special conditions:** Defective items, if any, supplied should be rectified/replaced to the satisfaction of the University by the suppliers at their own cost.

24. **Payment Terms:** The payment will be released only after inspecting the items and satisfy that the supply is as per the requirements. The payment will be made after successful completion of the supply on producing invoice in triplicate.

25. **Delivery and installation:** Proposed delivery schedule should be mentioned clearly. Delivery and installation should be made at the **Department of Biotechnology, University of Kerala, Kariavattom Campus, Thiruvananthapuram- 695581**, without any extra cost.

26. **Validity of Tender:** Tender submitted shall remain valid at least for 180 days from the date of opening the tender.

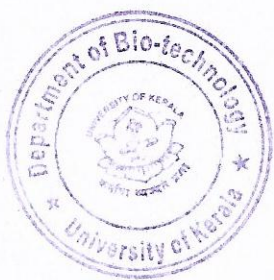
27. In case of dispute arises, the decision of the University authority shall be final and binding on bidders.

28. The undersigned reserves the right to reject or accept any or all the tenders received fully or partly without assigning any reason thereof.

29. **Please include the part about the details of the last 3 /5 customers in South India to which the Unit was supplied.**

30. The undersigned reserves the right to reject or accept any or all the tenders received fully or partly without assigning any reason thereof. General rules relating to purchase of materials/equipment will also be applicable to this tender.

The sealed tenders along with the tender document, separate DD towards the cost of the tender form and the EMD, Compliance Statement and the technical specification/brochure should be addressed to **The Head, Department of Biotechnology, University of Kerala, Kariavattom Campus, Thiruvananthapuram- 695 581** " superscribing as "Tenders for the supply of One number of **Inverted bright field & Phase Contrast Microscope with Camera, Wifi/HDMI, HD Monitor and Software for Department of Biotechnology, University of Kerala, Kariavattom Campus, Thiruvananthapuram** ". The last date of receipt of tenders is **3.00 PM on 24.10.2024**. The tenders will be opened at the **Department of Biotechnology, University of Kerala at 3.30 PM** on the same day in the presence of vendors then present.



Spl.
5/10/24.

Head
Department of Bio-Technology
University of Kerala
Thiruvananthapuram

Dr. T. S. SWAPNA
Professor & Head
Department of Biotechnology
University of Kerala, Kariavattom
Thiruvananthapuram- 695 581