



ICAR - CENTRAL INSTITUTE OF FISHERIES EDUCATION
(Deemed University) (University under Sec. 3 of UGC Act),
Indian Council of Agricultural Research
Panch Marg, Off. Yari Road, Versova, Andheri (west), Mumbai 400 061
Tel. No. 022-26361446/7/8 Web Site : <https://www.cife.edu.in>
GST No.27AAAI1830P9ZB



F. No. 36-24/24-25/EFC-Equipments/P/-Part(12)

Dated 22.01.2025

Name of the Equipment: Stereozoom Microscope with Auxiliary Lens

TENDER FORM HAS TO BE SUBMITTED SEPARATELY IN SEALED ENVELOPES

To,

M/s.

.....

.....

Sub: Purchase of Stereozoom Microscope with Auxiliary Lens at ICAR – CIFE, Mumbai - reg.

Dear Sir,

Please find enclosed herewith the Tender Form along with detailed specifications of Stereozoom Microscope with Auxiliary Lens in Annexure – 1 & 2.

Kindly acknowledge the receipt of the same.

Yours faithfully

Asstt. Administrative Officer (P)



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**LIMITED TENDER DOCUMENT
FOR
STEREOZOOM MICROSCOPE WITH AUXILIARY LENS**





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The Director, ICAR-Central Institute of Fisheries Education, Mumbai invites most competitive tenders in sealed envelope for Stereozoom Microscope with Auxiliary Lens from the reputed Organizations, their authorized distributors/dealers and other suppliers/firms dealing with the products.

The quotation should reach to this office **on or before 5.00 pm of 12.02.2025** in sealed envelopes addressed to the Director, ICAR-CIFE, Panch Marg, Off Yari Road, Versova, Andheri (West), Mumbai-400061. The sealed envelopes should be sent by post/courier so as to ensure that it reaches the office within the due date and time. Alternatively, the tenders in sealed envelopes may be physically dropped in Tender Box in the office. Tenders received by email or in open cover shall not be entertained.

TERMS & CONDITIONS OF QUOTATIONS:

1. The prices shall be quoted in Indian Rupees only. Each bidder shall submit only one tender.
2. All duties, taxes and other levies payable on the raw materials/ components shall be included in the total price.
3. No advance payment or any part payment will be made. The payment is normally made within 15 days from the date of receipt of item / material in good condition or completion of work in time as per order. The payment will be released only after satisfactorily completion of work.
4. The successful firm must have to mention Bank Account number along-with the name of bank and its IFSC code in the bill at the time of supply of ordered items. The payment will be made through RTGS only.
5. Tenders not found according to the specifications/ Scope of Work will not be considered. The manufacturer / Dealer should quote similar as per our specification/ scope of work. The firm should also submit their quotation supported by relevant printed literature.
6. Tender shall remain valid for a period not less than 90 days after the deadline date specified for submission of tenders.
7. The rate should be on F.O.R. basis at ICAR-CIFE, Mumbai. Full taxes may be charged, if applicable. The Institute will not provide any Road permit form.



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8. Firm should attach EMD of value 2.5% of the quoted amount of the services. Non payment of EMD of requisite value will render the bill as rejected. However, firms having NSIC/MSME certification are exempted from payment of EMD.
9. Upon receipt of supply order the successful bidder will have to submit 5% of ordered value (exclusive taxes) as Performance Guarantee / Security Deposit in the form of DD/ FDR / Bank Guarantee etc. issued from nationalized bank.
10. Delivery will have to be made within 15-20 days from the date of issue of Supply Order or as extended by the Institute.
11. In case of any dispute, the decision of the Director, ICAR-CIFE, Mumbai shall be binding on the part of the contractor/supplier/fabricator/firm.
12. The firm will have to adhere to the warranty / guarantee on the services provided and during the period any fault /shortcoming will have to be addressed immediately without any extra cost.
13. The dealer should enclose authorization certificate issued from the principal supplier / manufacturer.
14. All taxes should be mentioned clearly, if applicable, failing which, the quotation will not be considered.
15. The Director, ICAR-CIFE, Mumbai reserves the right to accept or reject any or all the Tenders without assigning any reason.
16. Disputes, if any, will be governed by the Mumbai jurisdiction only.

REQUIRED DOCUMENTS:

1. Scan copy of PAN and GST Registration Documents.
2. NSIC/MSME certificate, if any. Else EMD of requisite value in favour of **ICAR Unit CIFE payable at Mumbai** shall be submitted along with the Tender.
3. Registration/Corporation certificate of the firm.
4. Copy of Tender Document Signed by Firm with all annexures.
5. Original Manufacturer Certificate / Authorized Distributor certificate from the manufacturer is required.
6. Bank account details of the firm in which the payment has to be made after satisfactory supply and installation.

Asstt. Administrative Officer (P)



F. No. 36-24/24-25/EFC-Equipments/P/-Part(12)

Dated 22.01.2025

Annexure – 1

TECHNICAL SPECIFICATIONS FOR STEREOZOOM MICROSCOPE WITH AUXILIARY LENS

1. Zoom body:

- 8:1 or better zoom ration & Apochromatic zoom optics with 76 mm mount diameter
- zoom range of 10x – 80x or better with field of view of 23mm – 2.9mm respectively
- It offers both low magnification wide View field observation of the whole of a 35mm petri dish screening with 1x Objective.
- The design of the stereo microscope should be Common man objective
- Resolution: 346 Lp/mm or better with 1x objective for stereo observation
- Max resolution: 1211 Lp/mm with exchangeable optics for 2D observation
- manually operable on both sides and switchable click stops at 1x-1.25x-1.6x-2x-2.5x-3.2x-4x-5x-6.3x-8x.

2. Eyepiece:

- Eyepiece 10x PAIR, F.N. 23mm or better with eyepiece eyecup pair
- Eyepiece with Dioptre Adjuster in both the eyepiece, Rubber Eye-Shields, Reticule Lead.
- Rubber Eye guard for 10X.

3. Objective:

- Distortion free plan achromat parfocal objective 1x (WD 63mm)
- Distortion free plan achromat parfocal objective 1.5x (WD 28mm)
Optional plan achromat parfocal objective 0.63x (WD 107mm)

4. Observation Tube:

- 20 degrees or better inclined trinocular observation tube with Interpupillary distance adjustable from 51 mm to 75 mm.
- Optical path switching ratio of eyepiece: camera port is 100: 0 / 0: 100.

5. Stand:

- Large stand with a base of about 340X300mm with approx. 250mm x 200mm allotted for actual working surface.
- Transillumination base with rotatable and slidable mirror for Brightfield, Darkfield and Oblique Illumination – homogenous illumination, with integrated power unit and country specific power adapter.
- Additionally included: - Glass and B/W plastic plate D=84x5 mm - Country-specific power cable.
- Load Capacity of stand – Max 5KG, and having a column length of 350mm and above.
- Separate controls for RL/TL, 3 memory buttons & 2 rotary push knob for on/off/dimming.
- Upgradable to 3 position coded nosepiece for 3 objectives at the same time.



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6. Light Illumination with controller:

- Gooseneck Light Guide for dual illumination up to 600 lm light flux at 9 mm fiber output dia., ca and about 6200K color temperature, with focussing attachment.
- Gooseneck length – 600mm each
- Cold Light Source, preferable LED with min 50,000 hours operation, variable intensity control, with power supply unit and country specific mains cord.

7. Camera and Camera Adapter:

- Sony CMOS image sensor Color, Chip Size: 1/2.9"
- Dynamic Resolution – 1920 X 1080, Static Resolution – 6MP or above,
- Camera should be able to be connected to USB and HDMI Interfacing parallelly / separate as per requirement
- Optical Interface – C-Mount
- Digital Interface – HDMI / USB 2.0
- Auto / Manual Exposure Control
- Camera Software should have LIVE EDF and Stitching Feature with video recording without lag, Suitable 0.5X Camera Adapter which is opto-mechanically compatible should be provided

8. Image Processing software:

- Camera should be able to capture and store data irrespective of Laptop / Desktop PC as well
- Camera should be coupled with Mosaic Manual Image Capture software which can capture, record and store data, do linear/angular/circular/square measurements, annotate, scale marker, and generate template report along with image processing features such as color / gamma / hue / brightness / contrast

9. Accessory for Phytoplankton:

- Suitable sample holder specially for phytoplankton should be quoted – 1pc

10. Holder Dimensions:

- (76mm x 40mm x 2mm thick), Chamber Dimensions (50mm x 20mm x 1mm deep), Volume (1ml)

11. Desktop Computer/Laptop:

- Suitable Branded Desktop PC with minimum recommended specifications of i5 processor, 8GB RAM, USB 2.0 and above, 1 TB HDD, 19" or better FULL HD Monitor Screen, latest Original Windows

SEAL & SIGNATURE OF THE BIDDERS



F. No. 36-24/24-25/EFC-Equipments/P/-Part(12)

Dated 22.01.2025

Annexure – 2

FINANCIAL BID

(In Rupees)

Sl. No.	Particulars	Qty.	Rate	Amount	Taxes, if any	Total Amount all inclusive
STEREOZOOM MICROSCOPE WITH AUXILIARY LENS						
1	1. Zoom body: <ul style="list-style-type: none">• 8:1 or better zoom ration & Apochromatic zoom optics with 76 mm mount diameter• zoom range of 10x – 80x or better with field of view of 23mm – 2.9mm respectively• It offers both low magnification wide View field observation of the whole of a 35mm petri dish screening with 1x Objective.• The design of the stereo microscope should be Common man objective• Resolution: 346 Lp/mm or better with 1x objective for stereo observation• Max resolution: 1211 Lp/mm with exchangeable optics for 2D observation• manually operable on both sides and switchable click stops at 1x-1.25x-1.6x-2x-2.5x-3.2x-4x-5x-6.3x-8x. 2. Eyepiece: <ul style="list-style-type: none">• Eyepiece 10x PAIR, F.N. 23mm or better with eyepiece eyecup pair• Eyepiece with Dioptre Adjuster in both the eyepiece, Rubber Eye-Shields, Reticule Lead.• Rubber Eye guard for 10X.	1				



<p>3. Objective:</p> <ul style="list-style-type: none"> • Distortion free plan achromat parfocal objective 1x (WD 63mm) • Distortion free plan achromat parfocal objective 1.5x (WD 28mm) Optional plan achromat parfocal objective 0.63x (WD 107mm) <p>4. Observation Tube:</p> <ul style="list-style-type: none"> • 20 degrees or better inclined trinocular observation tube with interpupillary distance adjustable from 51 mm to 75 mm. • Optical path switching ratio of eyepiece: camera port is 100: 0 / 0: 100. <p>5. Stand:</p> <ul style="list-style-type: none"> • Large stand with a base of about 340X300mm with approx 250mm x 200mm allotted for actual working surface. • Transillumination base with rotatable and slidable mirror for Bright field, Dark field and Oblique Illumination – homogenous illumination, with integrated power unit and country specific power adapter. • Additionally, included: - Glass and B/W plastic plate D=84x5 mm - Country-specific power cable. • Load Capacity of stand – Max 5KG, and having a column length of 350mm and above. • Separate controls for RL/TL, 3 memory buttons & 2 rotary push knob for on/off/dimming. • Upgradable to 3 position coded nosepiece for 3 objectives at the same time. 						
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<p>6. Light Illumination with controller:</p> <ul style="list-style-type: none">• Gooseneck Light Guide for dual illumination up to 600 lm light flux at 9 mm fiber output dia., ca and about 6200K color temperature, with focussing attachment.• Gooseneck length – 600mm each• Cold Light Source, preferable LED with min 50,000 hours operation, variable intensity control, with power supply unit and country specific mains cord. <p>7. Camera and Camera Adapter:</p> <ul style="list-style-type: none">• Sony CMOS image sensor Color, Chip Size: 1/2.9”• Dynamic Resolution – 1920 X 1080, Static Resolution – 6MP or above,• Camera should be able to be connected to USB and HDMI Interfacing parallelly / separate as per requirement• Optical Interface – C-Mount• Digital Interface – HDMI / USB 2.0• Auto / Manual Exposure Control• Camera Software should have LIVE EDF and Stitching Feature with video recording without lag, Suitable 0.5X Camera Adapter which is opto-mechanically compatible should be provided <p>8. Image Processing software:</p> <ul style="list-style-type: none">• Camera should be able to capture and store data irrespective of Laptop / Desktop PC as well• Camera should be coupled with Mosaic Manual Image Capture software which can capture, record and store data, do linear/angular/circular/square measurements, annotate, scale marker, and generate template						
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	<p>report along with image processing features such as color / gamma / hue / brightness / contrast</p> <p>9. Accessory for Phytoplankton:</p> <ul style="list-style-type: none"> • Suitable sample holder specially for phytoplankton should be quoted – 1pc <p>10. Holder Dimensions:</p> <ul style="list-style-type: none"> • (76mm x 40mm x 2mm thick), Chamber Dimensions (50mm x 20mm x 1mm deep), Volume (1ml) <p>11. Desktop Computer/Laptop:</p> <ul style="list-style-type: none"> • Suitable Branded Desktop PC with minimum recommended specifications of i5 processor, 8GB RAM, USB 2.0 and above, 1 TB HDD, 19" or better FULL HD Monitor Screen, latest Original Windows 							
	Total:							

(Rupees.....only)

SEAL & SIGNATURE OF THE BIDDER