

ADVERTISEMENT



Department of Zoology
Savitribai Phule Pune University, Ganeshkhind, Pune 411007

PURCHASE OF MICROSCOPE

Quotations are invited for the supply of scientific equipment 'Research Microscope with Camera and Software' in the Department of Zoology, Savitribai Phule Pune University, Pune 411007. The quotations should reach this office on or before **20/04/2025**. The technical specifications and terms and conditions for this purchase are listed below.

Technical Specifications

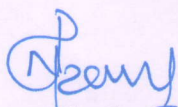
Sr. No.	Item	Trinocular Fluorescence Research Microscope with Camera and SW
1.	Stand	Stand for Biology & Medicine for transmitted light constant color LED illumination with 12V 30W Halogen lamp illumination. With height adjustability of focus knobs, with stage carrier and centrable condenser holder for vertical adjustment, right- & left-hand operation and clamp screw, with adjustable height stop, Integrated, stabilized wide-range power supply 100-240 V AC
2.	Focusing	3-step focus drive for coarse, medium and fine focusing, focus torque adjustment and adjustable focus stop, with focus knobs coarse. Z Stroke per Turn of the Focus Knob : z fine: 0.10 mm z medium: 0.40 mm z coarse: 14.137 mm
3.	Nosepiece	Seven position objective nosepiece for 7 objectives
4.	Stage	Ergo Stage for right- or left-hand operation. Stage plate with ultra-hard ceramic surface, travel range approx. 76mm x 25mm, with vernier reading and slide holder
5.	Observation Tube	Binocular Phototube with fixed photo tube, with tube lens oo/1x, with 30° - 45° viewing angle, with interpupillary adjustment 55-75 mm, with constant focus and beam splitter positions vis/phot: 50/50%
6.	Reflected Light Fluorescence	Hg 100W metal lamp housing with side lamp access, with centerable lamp mount for Hg 100W lamp, with 6 lenses, achromatic 1-inch collector, UV optimized transmission > 50% at 340nm, centerable reflector for doubling the focal point and optimization of the illuminated area, with heat absorbing filter, HG 100W lamp and power supply

7.	Fluorescence Filter	<ol style="list-style-type: none"> 1. Filter system Blue excitation and Green Emission GFP Excitation: 470/40 Dichroic: 495 Emission: 525/50 2. Filter system for Green excitation and Red Emission , excitation filter: BP 515-560, dichromatic mirror: 580, suppression filter: 590
8.	Condenser	Condenser suitable for Bright field, Dark field & Phase contrast application. Condenser with color coding for easy adaptation of the aperture to the objective and suitable phase and dark field rings
9.	Fluorescence Illuminator	Fluorescence illuminator with min 5-6 position turret , with centerable aperture and field diaphragms, with three switchable neutral filters N2, N4 and N16 for intensity reduction, and shutter
10.	Objectives	All Universal Objectives for Bright field, Phase Contrast & Fluorescence Application Obj. 10x/0.25 PH1 FWD 12 mm or better Obj. 40x/0.65 PH2 FWD 0.36 mm or better (DIC Upgradable) Obj. 100x/1.25 OIL PH3 FWD 0.12 mm or better (DIC Upgradable)
11.	Eyepiece	Focusable Eyepiece 10x/22 BR M Useable with or without glasses
12.	Digital Imaging System	Cooled colour camera 6.3 MP Color CMOS camera with Pixel Size 2.4 μm x 2.4 μm , Color depth 3x12 bits, Dynamic range > 72dB, Fast Live Image at full resolution 3072x2048 pixel 15 frames per second. Suitable C Mount Software - Multichannel, - Image Processing & Measurement: - Adjust contrast, brightness and gamma on every image - Merge, crop and image arithmetic - Intensity, length and area measurements - Measurement of area intensities through image stacks - Online measurement whilst displaying a live image - Parallax correction
13.	Additional Point	Par-centered and Parfocality Check – To be checked during demonstration and is one of important criteria for bidder technical qualification.
14.	Performance certificate	Min 5 Performance certificate from renowned institute IISER / IIT/ AIIMS/BARC is required with contact details & e-mail id of end user.
15.	Important Note	Microscope, Camera and Software must be from one manufacturer.

Terms and Conditions


1. Department of Zoology, Savitribai Phule Pune University, Pune 411007 herein after is referred as 'BUYER/' 'PURCHASER' and tenderer is referred as 'BIDDER/' 'SUPPLIER'.

2. The bidder/supplier should submit offers in two parts - Part A should include the technical bid in a sealed envelope marked as "Technical Bid". Part B should be submitted as financial /commercial/Price bid in a sealed envelope marked as "Financial Bid".
3. Mention our enquiry number Zool/2025/109 & quotation for '**Research Microscope with Camera and SW**' on the sealed envelope.
4. Date of validity of quotation should be minimum of 90 days from the last date of submission of the quotation.
5. Quotation must be sent along with covering letter on your letterhead quoting your tax registration Nos. (GST) etc. Conditional quotation will not be accepted.
6. Quotation will be rejected in case of correction or overwriting. Only clear and uncorrected quotation will be accepted.
7. Payment will be made after satisfactory installation of the systems.
8. Tax will be deducted as per prevailing rules. The supplier shall pay & bear all other liabilities, taxes & duties not specifically agreed by the purchaser in the offer.
9. Delivery period of equipment should be between 6-8 weeks.
10. Final rates quoted should be inclusive of all taxes (with tax details indicated separately) and warranty. GST/Other Govt. Taxes, levies are to be indicated separately. Bidder should mention GST registration number and the PAN number in the offer.
11. Please send your quotation along with authorized dealers'/ manufactures' certificate, by only surface mail/ by hand to **The Head, Department of Zoology, Savitribai Phule Pune University, Ganeshkhind, PUNE 411 007.**
12. The technical and purchase committee reserves the right to select the appropriate specifications for '**Research Microscope with Camera and SW**' to be procured.
13. The Savitribai Phule Pune University reserves the right to accept the offer in full or in parts or reject summarily or partly.


Head

Department of Zoology

HEAD
Department of Zoology
Savitribai Phule Pune University
Pune - 411 007.


Registrar
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