



OFFICE OF THE PRINCIPAL,  
K. K. S. WOMEN'S COLLEGE, BALASORE, ODISHA.

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Affiliated to F M University, Accredited by NAAC - B++

No. 1265

**Quotation Call Notice**

Date. 09.04.25

Sealed quotations are invited from registered reputed Firms / Dealers / Suppliers having valid GST registration, PAN and IT clearance etc. for supply of instrument under MRIP-2024 of Dr. Susri Nayak, Department of Zoology. Quotation will be submitted to Dr. Susri Nayak, Department of Zoology. The details of specification of items, terms and conditions can be downloaded from Website "[www.kksgovwc.org](http://www.kksgovwc.org)". The quotations must reach on or before 5 PM of 19<sup>th</sup> April 2025 by speed post / Registered post only and the quotations will be opened on 21<sup>st</sup> April 2025 at 11AM. The undersigned reserve the rights to accept or reject any or all quotations without assigning any reason thereof.

  
Principal 9.4.25

K.K.S Women's College, Balasore

**A. Terms and Conditions**

1. A firm must have valid GST registration, PAN, and IT clearance.
2. Firms must be able to supply the items to the college points within 7 days of placing orders and an undertaking to that effect must be enclosed.
3. An undertaking that the firm was not blacklisted/debarred/defaulted by any organizations in supplying the said items must be attached.
4. Quotations for each item must be submitted and the quoted price of each product must be inclusive of all taxes/charges.
5. In case any dispute, the decision of the purchase and development committee of the college shall be final.

## B. Details of item and specifications

### 1. Trinocular Microscope with camera

- Optical System: Infinity Optical system.
- Microscope frame for transmitted microscopy with color corrected LED illuminator Built in 0.5 W LED illumination system, to avoid bluish light.
- Stage height adjustment mechanism.
- Movement distance per scale of fine adjustment knob: 2.5  $\mu\text{m}$ ,  
Movement distance per round of fine adjustment knob: 0.3mm, Total movement range: 15mm.
- **Microscope should have a dedicated focus lock mechanism to prevent the sample from damage by heating the objective.**
- Pre-focusing knob provided, tension of the coarse adjustment knob adjustable, **360 degree rotatable Trinocular tube with butterfly design eyepiece tube & Field number 20 or higher, Tube tilting angle 30°.**
- Interpupillary distance adjustment range 48 to 75 mm , a pair of eyepiece 10X ( F.N.20) , eye point height adjustment , inwards facing quadruple revolving nosepiece.
- Right-handle wire movement Mechanical fixed stage 120 x 132 mm, Movement range X direction: 76 mm x Y direction: 30mm, can hold haemocytometer.
- Abbe condenser N.A. 1.25, Aperture is iris diaphragm Built in
- PLAN Objectives ( 4X/N.A.01., Antifungal Quality
- Plan 10X / N.A.0.25, Antifungal Quality
- Plan 40X N.A. 0.65, Antifungal Quality
- Plan 100X / N.A. 1.25, Antifungal Quality
- AC adapter.
- Ergonomic grips add safety when retrieving the microscope from any high storage place or moving from one location to another.
- A rack-less stage and stage cover give safety and longtime operation.
- Adjustable eye point provides high comfort to an user group with variable heights during long hours usage of the system.

- A locking pin facility in the observation tube is an most important and admired feature to avoid accidental displacement of tube from its alignment/ breakage of tube after falling down, especially when the same is being used by students/ technicians in the lab.
- LED light source with high color reproducibility for better imaging and contrast. It reduce blue Colour and preserve vivid colors on HE staining.
- Built in security slot to attach the anti theft cable which is more require for student microscope.
- Both hand focusing knob to focus preciously and ergonomic.
- Microscope should be upgradable to dark field attachment.
- Flat field of view for better imaging view.
- Higher field of view.
- A storage compartment on the back of the microscope makes it easy to store the cable and safety.
- **Minimum 500 installations should be there in eastern region of India.**
- **Technical evaluation will be done based on the physical demonstration of the quoted model.**
- **International Certificate must be provided ISO & IEC must be provided.**
- **Camera and software:** Camera Casing- Metal Alloy, Camera Dimension- 60 X60X40 mm, Image sensor- CMOS 5.1 Mp, Sensor Size- ½.5", Pixel size- 2.2 X 2.2 micron, Resolution (Max)- 2592 X 1944 Pixels, Frame Rate- 5@2592X1944, 18@1280X960, 60@640X480, Dynamic range-6.5dB, Signal/Noise ratio- 40.5dB, Binning- 2X2, 4x4, Exposure time- 0.29ms to 2000ms, Spectral Range 380-650nm with IR filter, Software: Operating System Win Xp/Vista/7/8/10 (32,64 bit), software, Image format- JPG/TIF/BMP/PNG,
- Suitable computer should be quoted

  
 Principal  
 K.K.S. Women's College  
 Balasore  
 2.4.25