

Indian Institute of Technology Kanpur

Dr. Ashis K. Patra, Ph.D.
Assistant Professor



Department of Chemistry
Core Laboratory, Room No. 201E
IIT Kanpur, Kanpur 208016, India
Tel: +91-512-259-6780
FAX: +91-512-259-7436
E-mail: akpatra@iitk.ac.in

Enquiry No: IITK/CHM/AKP/2018/05

Opening Date: January 16, 2018; 10 AM

Closing Date: February 12, 2018; 5 PM

Subject: Quotation for supply of Configurable Inverted Optical Microscope with HD camera

Dear Sir/Madam:

Sealed quotes are invited for the supply of **Configurable Inverted Optical Microscope with HD camera**, as per the specifications given below.

The prospective suppliers are required to send quotation in sealed envelopes. The detailed technical specification, standard/special features of the product being offered should be clearly highlighted. The offered price include the detailed itemized price quotation clearly mentioning the cost of the equipment, applicable discount, taxes, service charges if any, shipping and handling charges.

Technical Specifications Configurable Inverted Optical Microscope with HD Camera:

The specification mentioned below is preferred. Any equivalent or better specifications shall be mentioned in detail for consideration.

The instrument required is Configurable Inverted Optical Microscope with digital scientific HD camera. The following criteria must be met:

- The quoted microscope must be RESEARCH GRADE. Ergonomically designed and comply with all international standards.
- **Features:** -LED illumination, -FOV 20, - Interface for exchangeable eyepieces, - Fix stage, coaxial double knob for coarse and fine focus on both sides, -a 4-fold revolving nosepiece with 25x075 objective thread, -infinity optics with tube lens 1x, - Exchangable condenser structure, -Condenser holder stepless adjustable, including collector, aperture diaphragm and filter holder, -Illuminated ON/OFF switch, -Auto adjustment of intensity for switching between Brightfield and Phase contrast, -Power supply including mains cable, digital scientific HD camera, 5M pixel, SD card. Dust cover.

- Basic stand with LED illumination Four nosepiece with 20 mm Field of view.
- Automatic adjustment of illumination to the contrast methods, Auto-off function, LED with service life of 50,000 hours, constant color temp.
- Single Phase ring for objectives from 10x ~ 40x – No slider movement required.
- Objective PLAN 4x, 10xPH1, 20xPH1, 40xPH1.
- High Numerical Aperture 0.45 and long working 80 mm Condenser.
- Fixed stage with XY object guide for all types specimen holders
- Integrated C-Mount 0.5x. With 50/50 beam splitting.
- 5 MP Digital camera attachments with CMOS sensor, S/W for micron bar, annotation & point to point measurement. Camera should have; HD live image for operation with or without computer, full HD movie clips recorded directly to the SD memory card, direct control of all camera parameters via remote control. Pixel size 3.34 X 3.34 μm , Exposure time: 0.5 m sec- 500m sec
- Live image display on PC, software for Micron Bar, Point to Point measurement, Annotation, Shading Correction, Lifetime license.
- Camera and microscope should be from same manufacturer.
- **Your quote should mention/include the following:**
- Validity at least for 60 day. Delivery time 60-90 days.
- Warranty preferably for 2 years, Minimum of 1 year from date of installation.
- Mention F.O.R. Destination or C.I.F (New Delhi) prices separately if requires import.
- The quote should cover insurance and transport up to Kanpur.
- Quotation should carry proper certifications like agency certificate, proprietary certificate, etc.
- Terms and conditions for the payment, including the banker's name of the principal and the account number, if any, for electronic transfer.
- Technical literature to support your product.
- Users' list with contact address.
- Concessional rate of GST (@5%) will be applicable with reference to Notification No. 45/2017-Central Tax (Rate) dated 14/11/2017. We will provide relevant certificate for this purpose. On import items for research purpose presently the GST applicable is 0% (zero). DSIR certificate alongwith CDEC has to be submitted for availing concession. Vendor should use these GST rates in their quotation.
- IITK has exemption on excise and custom duty. Suitable certificate would be provided if required by the supplier.
- The quote should reach the undersigned on or before **12th February, 2018**. The envelope should be marked as **“Quote for the supply of Configurable Inverted Optical Microscope”**

Dr. Ashis K. Patra,

Department of Chemistry

Indian Institute of Technology Kanpur, Kanpur-208016, U.P., INDIA

E-mail: akpatra@iitk.ac.in

