NOTICE INVITING QUOTATION

We seek formal quotation for the Polarizing Microscope with the following given specifications:

1. **Optical System**

   - Infinity corrected Optical system.
   - Vertical stage movement 25mm or more per coarse.
   - Stroke Vertical stage movement ≤0.1 micron.

2. **Illuminating System**

   - Built-in-Köhler illumination for transmitted light.
   - 12V, 100W halogen bulb (pre-centred) light.

3. **Analyzer**

   - Graduated rotatable analyzer.

4. **Objectives**

   - Plan achromat polarizing objectives of 4X, 10X, 40X, & 100X Oil.

5. **Eye Piece and Viewing System**

   - Interchangeable reversed polarizing center able Quadruple Nosepiece.
   - Three way light path trinocular Tube, 10X eyepiece with Field of View 22mm.

6. **Intermediate Attachments**

   - Both orthoscopic configuration and orthoscopic/conoscopic configuration should be quoted separately.

7. **Rotating Stage**

   - Circular Rotatable Stage including (stage clip 1-pair).

8. **Polarizing Condenser** with N.A. 0.9-0.18 (swing out type).

9. **Imaging System**

   - High Quality Scientific Digital Color fire wire camera 1/1.8". 3.2 mega Pixel resolution or more.
   - Pixels Size of 3.45x3.45 μm or more Resolution up to 2080X1542 pixels in 12 bit. Frame Speed 30FPS with binning. Dust protected sensor with IR cut filter.
   - Imaging area of 1040x 770 and high Frame rate of 17 FPS at Full Resolution and Exposure time 180 seconds or more. Imaging System with Measurement Tools like camera and display calibration. Line Circle, Ellipse, Angle, Rectangle, Freedom and Storage Measurement in Separate layer. The captured images to be kept in editable Image Gallery.
   - Extended Image display functionally and Shading Correction.

10. **Adaptor**

    - C-mount video attachment with lens

11. **Compatibility**

    - The polarizing microscope should have compatible adaptor for INSTEC hot & cold plate Model HCS302.

12. **Optional**

    - Thick Berek Compensator and Berek compensator.
    - Polarizing rotatable stage with three point centering function.
    - Slide holder and Mechanical stage.
    - Resolvable center able nosepiece.
    - Achromat strain-free condenser 360° rotatable polarizer with swing-out achromatic top-lens.
Aperture of iris diaphragm: adjustable from 2mm to 21 mm diameters.

**Terms and Conditions:**

1. Costs are to be quoted CIF, IIT Delhi through LC.

2. If the items quoted for are proprietary in nature, please include a proprietary certificate stating that “The items quoted for are proprietary in nature and are manufactured solely M/s”.

3. If the quote is being submitted by the representative of the principals/manufactures themselves, a valid agency ship/dealership certificate authorizing the agent to quote to IIT Delhi on behalf of the principal should be enclosed.

4. Institute reserves the right to accept/reject any or all quotations without assigning any reason.

5. The supplier should support the specifications claimed in the quotation by data sheet/certificate. A technical compliance table should be issued.

6. Please clearly mention comprehensive warranty/training/installation etc.

7. All the quote should be in two-envelope bid system. The supplier should submit the tender (quotation) in two envelopes. The first envelope (technical bid) shall contain all the items referred under given specification and be sealed. The second envelope (commercial bid) shall contain the schedule, in which supplier should register the cost/rate of supply.

8. Validity of the quotation should be for at least 90 days.

9. The delivery period should be clearly mentioned.

10. Discount any, can be mentioned.

11. Any other charges should be mentioned clearly.

12. Quotations should be sent in the sealed cover marked at the top SUBJECT AND DUE DATE as otherwise these will not be considered.

13. Sealed quotation should be submitted to Dr. Aloka Sinha, Department of Physics, Room No 204, Block VI, Indian Institute of Technology, Delhi, India latest by 4 p.m. on 24-08-2011.

Dr. A.K. Sukla  
(Member)  

Dr. Joby Joseph  
(Member)  

Dr. Santanu Ghosh  
(Member)  

Dr. Aloka Sinha  
(Member)