

DEPARTMENT OF
PHYSICS, I.I.T DELHI

Dated: 10/08/ 2011

**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-Koehler 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),

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

8. 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 μ m 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.

9. Adaptor

C-mount video attachment with lens

10. Compatibility

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

11. Accessories

Power cord, Dust cover.

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.

Shikha
R.K. Jha
Sankar Ghosh

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.

The second envelope should also be sealed. Both the envelopes then should be put together and be sealed in an envelope. Technical bids will be opened first to ensure that the supplier have supplied all the requisite documents. If the technical bid is not in order or is deficient in some of respect, the commercial bids of such tender shall not be opened. The date and time of opening of the financial/commercial bids shall be decided after the opening of all the technical bids.

- 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)

2