

Indian Institute of Technology Delhi
Department of Chemical Engineering

Date: 01-11-2011

Ref: SG/IITD/2011/Plan01

The Department of Chemical Engineering invites quotations for a **fluorescence microscope** with the following specifications.

Optical system	:	Infinity corrected system
Focus	:	Vertical stage movement 25mm per coarse stroke Vertical stage movement 1micron per fine stroke Stage rotation of 270 degrees
Illuminator	:	Built-in-Koehler illumination for transmitted light 12V, 100W halogen bulb (pre-centered) Light intensity adjustment centrally located so both hands can be used to increase and decrease light New eco switch for energy saving - switches off light when user moves away from the microscope Light intensity LED indicator Light preset switch for photography Built-in filters (LBD-IF, ND6, ND25)
Revolving Nosepiece	:	Interchangeable reversed Septuple Nosepiece.
Objectives	:	Plan achromat objective 4X/0.1, WD 18.5, U Plan Semi Apochromat phase objective 10X/0.3, WD 10 U plan semi apochromat phase objective 40X/0.75, WD 0.51 (spring) U Plan Semi Apochromat objective 100X/1.3, WD 0.2 (spring, oil)
Observation tube	:	Wide field Trinocular head with Field no 22mm.
Stage:		Ceramic-coated coaxial stage with right hand low drive control.
Condenser	:	Bright field, Phase and Dark Field Condenser NA 1.1
Fluorescence Attachment:		Eight position Filter Turret Unit with 100W mercury Achromat light illuminator and with fluorescence filters for DAPI/ FITC/ TRITC & Texas Red.
DATASTATION	:	Intel i5 processor chipset with 4 GB RAM 500 GB HDD, DVD writer with graphic card and high resolution, 19" TFT monitor with key board and mouse, UPS and color inkjet printer.

Note: All system hardware and software should be from one manufacturer and should have total integral supply.

Terms and conditions

- The technical and commercial bids must be submitted in separate sealed envelopes subscribed with “**Technical Bid**” or “**Commercial Bid**” as appropriate. Both the technical and the commercial bids should be enclosed in an envelope subscribed “**Quotation for Fluorescence Microscope**” and should be submitted to the undersigned.
- The supplier must be an authorized dealer/distributor of the principal/manufacture and should furnish an authorization certificate from the principal/manufacture. Quotations without authorization certificate will be rejected.
- CIF New Delhi prices should be quoted with all the terms and conditions i.e. applicable taxes, installation, warranty and delivery schedule.
- Warranty of at least one year is a must.
- Quotations must be valid for at least three months from the date of the NIQ.
- The supplier may provide a list of institutions in India with the details of the optical microscopes supplied and with the contact details of the institution/department.
- A special discount/rebate wherever admissible keeping in view that supplies are being made for educational purpose in respect of public institution of national importance may please be indicated.
- The institute reserves right to accept or reject any or all quotations without stating the reasons thereof.
- The quotations should reach **Dr. Shalini Gupta**, latest by 5.00 pm on 22 Nov 2011. Your quotations should be superscripted by our reference number given on the first page.

Dr. Shalini Gupta

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