

DEPARTMENT OF PHYSICS
INDIAN INSTITUTE OF TECHNOLOGY DELHI,
HAUZ KHAS, NEW DELHI- 110016

Date: 09-10-2013

NOTICE INVITING QUOTATIONS

Sub: Purchase of optical Microscope parts

Please send your quotation for purchase of above said item(s) as per specifications given below. Your quotations should reach latest by **5 PM on 24th October 2013**. Quotations are solicited for **ALL items manufactured by reputed companies** with proven past record of sales, supply and after-sale service.

Sr.No.	Item/part details	Qty
1.	Microscope frame for transmitted and reflected (Upright type) light input with built-in filter holders for four filters (LBD, ND6, ND25 an open position for an optional filter of 45mm dia),	01
2.	LBD filter slider for reflected illumination tube	01
3.	Neutral density filters for incident light ND25 and ND6	1 each
4.	Quintuple revolving nosepiece for Darkfield/Brightfield objectives	01
5.	360-degree rotation analyser slider for reflected illumination arm	01
6.	Trinocular tube	01
7.	Polariser slider for reflected illumination arm	01
8.	Large- size mechanical sample stage with right hand control	01
9.	Glass plate holder for the above	01
10.	Long working distance condenser N.A	01
11.	Lamp house for 100W halogen with connecting cable corresponded to RoHS, WEEE regulations	02
12.	Halogen bulb for above	04
13.	Power cord for the above	01
14.	Universal reflected light illuminator arm with field stop and aperture stop, including 6-position mirror unit cassette, UV protective shield, shield plate, Allen wrench and indication plate.	01
15.	Microscope Digital Camera includes: non-cooled color digital camera to be fitter to the above arms, Desktop PC connection kit (IEEE 1394a/ B PCIe board, standard profile bracket, a camera cable (9-pin) etc.). Appropriate C mount attachment with >0.5X lens. All required software and cabled to be provided	01
16.	Programmable, Motorized stage compatible to above upright microscope items; equipped with 200 steps stepper motors, Zero backlash, recirculating ball screws 1mm pitch and crossed 3mm roller bearings. Travel range 114mm x 75mm or better, Repeatability to ± 0.7 micron, Minimum step size (resolution) 0.01 micron, 60 arc sec squareness, 12mm/ s max recommended speed. Glass slide specimen holder, XY motion controller (electronics), Joystick. Communication : USB, RS232 (more than 1 port). All required software and drivers to be provided. Strictly Labview (8.5 Ver or low) and Wavemetrics (Ver 6.2.2 or low) instrument controller software compatible.	01
17.	Collector lens for dark field observation with the above	01
18.	Dual port body for the above reflection arm	02
19.	1X extension with C-mount for the above	02
20.	Mirror cube for incident light bright field observation with high power (mercury / xenon) illuminator .	01
21.	M Plan Semi Apochromat bright field objective lens 5X / N.A. 0.15, W.D.12mm; 10X / N.A. 0.25, W.D.6.5 mm; 20X /N.A. 0.4, W.D.3.0 mm	01 each (03 No.)
22.	Long WD M Plan Semi Apochromat BD objective lens, 50x/N.A. 0.5,W.D. 10.6mm	01
23.	objective lens for IR observation 5x / 0.10, W.D 23mm with Objective adapter	01

24.	Mirror Cube empty	02
25.	Mirror Cube with Excitation Filter : 400-440nm, Emission Filter : 475nm and Dichromatic filter 455nm	01

TERMS & CONDITIONS COVERING SUBMISSION OF QUOTATIONS

1. Technical requirements

- 1) The quotation must contain the following details, otherwise quotation cannot be considered.
- 2) The quote must contain **ALL** the items and individually priced, otherwise quotation cannot be considered.
 - a. The technical bid must contain all the required specifications, drawings, graphs (transmission/reflection/response spectra of components if any) etc.
 - b. Along with the technical bid, please enclose support documents related to previous sale of the above items(s) within India.
 - c. Along with the technical bid, please enclose support documents related to previous sale of the above items(s) within India, proprietary certificate (if necessary)from the manufacturer.
 - d. All INDIAN agents must provide Authorized sale agent certificate, IEC and central sales tax certificate.
 - e. Vendors should provide possible educational discount and warranty period (if any)

- 2. DELIVERY:** The rates quoted must be for **FOB** Delhi (Air Freight) (if required)
- 3. TERMS OF PAYMENT:** **100% post-payment on delivery and satisfactory installation**
- 4. INSTITUTE'S RIGHTS :** IIT Delhi reserves the rights of acceptance or rejection of any or all quotations.
- 5. VALIDITY OF QUOTATIONS:** Quotations should be valid at least for a period of 3 months.
- 6. SUBMISSION OF QUOTATIONS:** **Both Technical and price bids are to be quoted separately in separate sealed covers. Both these bids should be sent in a sealed cover marked at the top SUBJECT AND DUE DATE 5 PM on 24th October 2013.** Quotations should be sent, on or before due date to:

**Dr. G. Vijaya Prakash,
Department of Physics,
IIT Delhi, Hauz Khas,
New Delhi 110 016 (India).**

**G. Vijaya Prakash
PI of the project**