

**CENTRE FOR BIOMEDICAL ENGINEERING  
INDIAN INSTITUTE OF TECHNOLOGY-DELHI  
HAUZ KHAS, NEW DELHI-110 016.**

Dated: 8.12.2011

**Notice Inviting quotations**

Sealed quotations in **separate envelops of technical and commercial bid kept in one sealed outer envelope are invited for purchase of Inverted fluorescent Microscope** as per specifications given below. Your sealed quotation should reach latest by 5 P.M. on 28. 12 .2011 to the Head, Centre for Biomedical Engineering, Indian Institute of Technology, Delhi (IIT Delhi), Hauz Khas, New Delhi-110016. Your quotation should be super-scribed **“Quotation for Inverted fluorescent Microscope.**

**Technical Specifications for inverted fluorescent microscope**

1. Microscope Body : Inverted Microscope with Infinity optical corrected optical system, Facility for attaching two digital/CCD cameras simultaneously to be operational in brightfield, phase contrast, fluorescence and upgradable to DIC
  - a. 100 W halogen illumination
  - b. Universal long working condenser for phase/bright field and fluorescence
2. Objectives : High performance LWD Objective suitable for bright field /Phasecontrast/ Fluorescence observation
  - Plan Fluor 10X N.A 0.3, suitable for bright, phase contrast and fluorescence
  - Super Plan Fluor 20X N.A. 0.45, suitable for bright, phase contrast and fluorescence
  - Plan Fluor 40X N.A. 0.75, suitable for phase contrast and fluorescence
  - Plan Fluor 100x(oil), NA 1.30, suitable for phase contrast and fluorescence
3. Fluorescence illumination with >120 W mercury lamp with life of 2000hr
4. Filter mirror for DAPI, FITC, TRITC
5. Digital Monochrome cooled CCD Camera
  - i. Minimum of 1000x1000pixel
  - ii. Quantum efficiency of 65%
  - iii. C mount adapter
6. Software compact software having following features
  - a. Acquisition and device control through four-dimensional acquisition, Image Acquisition, Time Lapse Imaging, Z-Stack, Multi-channel Fluorescence, Annotation,
  - b. 2D / 3D View, ND Viewer, Filter, Morphology, Large Image, Macro, Segmentation,
  - c. Auto-measurement, Report Generator facility, Data Base, Vector layer & Multi-Dimensional File Format (ND format)

7. All cables/power-cordes/adapters required for operation should be provided

**8. Optional**

- a. Table branded Desktop computer with i3 processor, 320HDD, 2GB RAM, with 17" color monitor should be quoted
- b. UPS 1KVA offline with half an hr back up

**Terms & Conditions:**

1. Quotations should be placed in **separate envelops of technical and commercial bid, kept in sealed outer envelope.**
2. The quotations must have validity of at least three months.
3. Quotation must include insurance and air-freight charges, delivery period of the items addresses to The Indian Institute of Technology, Delhi, India (CIF, New Delhi).
4. The products will be used for educational purposes. Any applicable academic institution discounts should be offered and stated.
5. Detailed Brochures should accompany the offer.
6. If the bidder is an authorized dealer then the authorized Indian dealership certificate from the principles should be enclosed.
7. warranty must be provided
8. Payment will be through LC/DD/TT.
9. In case the items are proprietary products of the company, a proprietary item certificate stating the same must be provided.
10. Training should be provided.
11. Institute reserves the right to accept or reject any or all the quotations without assigning reasons thereof.
12. Details of User List with phone number and email ID should be provided.