

**Open Tender Notification for the procurement of “Inverted Fluorescence
Optical Microscope” at the Indian Institute of Science, Bangalore
(Last date of submission of tenders: 20-July-2018)**

28.06.2018

Dear Sir/Madam:

Please send your quotation valid for 90 days for the supply of equipment described below. Your quotation should clearly indicate the terms and conditions of the quotations, delivery, delivery schedule, entry tax, payment terms, warranty coverage etc. The tender should be submitted in two separate sealed envelopes – one containing the “Technical bid” and other containing the “Commercial bid”, both of which should be duly signed and must reach the undersigned on or before 17:00 hours 20-July-2018.

**The Chair,
Department of Mechanical Engineering,
Indian Institute of Science, Bangalore 560012, Karnataka, India.**

Technical Specifications

Component	Specifications
Microscope Body	Motorized body, Inverted frame
Inverted research microscope	Double Deck System or Infinity port system Eyepiece 100% Minimum 5-position motorized objective nose-piece
Upper Deck (if double-deck system)	Provide space for necessary accessories.
Number of Camera Ports	At least 2 ports with 100%
Number of C-mount adapters for camera ports	At least 2
Objectives	20X, 40X, 60/63X Plan Apo lenses. 60/63X should be oil immersion with numerical aperture of 1.4 or higher.
Epifluorescence filter turret (Lower	FITC, TRITC filter cubes should be

Deck, if double-deck system, or regular Deck)	provided. 2 extra empty filter cubes Minimum 6-position or better fluorescence filter cube turret. Filter turret should be motorized.
Stage specifications	Linear encoded motorized XY stage with joystick XY resolution should be 100 nm or better. Z-axis movement should also be motorized with steps of 10 nm or better. Holders for slide, petri-dish and multi-well plate
Condenser	Long working distance condenser with a minimum working distance of 23 mm or higher. Should come with 6-position turret or higher for optical elements. Immersion darkfield condenser with a minimum NA of 1.4 or better
Epifluorescence illumination	LED light source with minimum 20,000 hours lifetime, with trigger and minimum three wavelengths. There should be provision to add another light source.
Microscope Camera	Monochrome cooled CCD with 1.3 Megapixel or better resolution camera. At least 15 FPS or better at full frame.
Imaging Analysis Software	Software for imaging, control of motorized hardware modules and should come with analysis features like movie play back, tile imaging, z-stack imaging, time-lapse at specific intervals, multiple image alignment and multi-channel acquisition.

Training, Warranty and AMC

1. On-site installation and training
2. Minimum 2 years warranty
3. Minimum 3 years AMC

Terms and Conditions:

1. The quotations should be submitted in two bids system; i.e., Technical bid, and Commercial bid.
 - a. The technical bid must include all details of technical specifications of the instrument along with commercial terms and conditions masking only the price component. Bill of materials, brochures, technical datasheets, and any other document may be enclosed to help the evaluation of the technical bid. Please also include warranty terms and any other information on upgradation terms in the technical bid.
 - b. The commercial bid must include the price of the instrument in Indian/Foreign currency indicating break up of:
 - I. For goods:
 - i. Price (CIF, Bangalore). Applicable Custom Duty will be borne by the Institute.
 - ii. Installation, commissioning and training charges, including any incidental expenses, if any
 - iii. Agency commission charges, if any
 - II. A final line in the commercial bid should state the total quoted price for the instrument to be operational (fixed and ready to use) in our facility
 - c. Both the Technical and Commercial bid should be put in separate sealed envelopes, and put together in another cover stating "Quotation for Inverted Fluorescence Optical Microscope" and should reach us on or before 20-July-2018
2. The vendor should have a good track record of having previously supplied similar equipment to Government funded reputed institutions. Provide details.
3. The vendor should have established office in India. Provide details.
4. The payment will be through a letter of credit.
5. The lead time for the delivery of the equipment should not be more than 3 months from the date of receipt of purchase order or 2 months from the date of receipt of Letter of Credit details (whichever is earlier).
6. The validity period of the quotation should be 90 days.
7. Kindly indicate the import code of the items.
8. If the goods are found to be defective, they have to be replaced or rectified at the cost of the supplier within 15 days from the date of receipt of written communication

from IISc. If there is any delay in replacement or rectification, the warranty period should be correspondingly extended.

9. The purchaser reserves the right to accept or reject any bid and to annul the bidding process and reject all bids at any time period without thereby incurring any liability of the affected bidder or bidders.