

**Global Tender Notification for the procurement of  
“Automated Inverted Microscope for Cellular Imaging” at the Department of Chemical  
Engineering, Indian Institute of Science, Bangalore**

**Oct 19, 2023**

Dear Sir/Madam,

**Subject: Automated Inverted Microscope for Cellular Imaging for Research Laboratory  
Usage**

This is a request for global tender quotations for the purchase of an **“Automated Inverted Microscope for Cellular Imaging”**.

This instrument is intended for high-precision imaging in various types of cellular studies. The microscope will be used to examine cellular dynamics, cellular structures, and molecular events at both single-cell and population levels, leveraging techniques in cellular biophysics and single cell analysis.

The equipment is exempted from is exempted from local tendering, and this machine’s GTE is listed (Item No. 29/31/112/220/229/258/259/284) in the GOI, MOF office memorandum dated OM No. F.4/1/2022- PPD (pt) Dated 21.06.2022.

**Terms and conditions for submission of bids**

Your quotation should clearly indicate the terms and conditions of the quotation, delivery schedule, entry taxes, customs duty, if any, payment terms, warranty coverage, etc.

- **The quotations should be submitted in two bid systems, i.e., Technical and Commercial bids.**
- The technical bid must include all the details of the instrument’s technical specifications and terms and conditions masking only the price component. Bill of materials, brochures, technical datasheets, and other documents may be enclosed to help evaluate the technical bid. The Technical bid should have an item-wise compliance report of all specifications indicated below. Prices quoted should include all taxes, duties, delivery of the items to the site, and installation.

- The commercial bid must include the instrument's price in Indian/Foreign currency CIP/CIF - IISc Bangalore basis.
- The warranty should be for a period of 3 years from the date of installation.
- If the goods are found to be defective, they must be replaced/rectified at the cost of the suppliers within 15 days from the date of receipt of written communication from us. If there is any delay in replacement/rectification, the warranty period should be correspondingly extended.
- Conditional tenders will not be accepted.
- The purchaser reserves the right to accept or reject any bid, to annul the bidding process, and to reject all bids at any time before the award of the contract without incurring any liability to the affected bidder or bidders.
- **Please submit your bid, valid for at least 90 days**, along with all the terms and conditions.
- **The last date to submit your bids is 10<sup>th</sup> Nov 2023.**

### **Specifications of “Automated Inverted Microscope for Cellular Imaging”**

- 1) Integrated inverted frame automated XYZ translation stage with high-speed image acquisition coupled with multi-position well scanning, and Z-stack and tile-stitch over multiple field of views
- 2) Excitation and Emission filters for RFP channel (and extendable to at least 3 additional channels on site)
- 3) 4X fluorescence objective
- 4) Automated Objective turret with 4x RMS threaded objective positions
- 5) A high-resolution (> 3 MP) CMOS or equivalent camera
- 6) automated focus mechanism with sub-micron resolution for continuous imaging for > 12 hours
- 7) LED illumination > 10000 hours life
- 8) Software: Compatible with both Windows

### **Scope of Work**

The supplier will be responsible for:

- Supplying the microscope with all necessary accessories and software
- Installation and setup at the designated facility
- Providing training to staff members
- Providing after-sales service, including necessary warranties and maintenance

**Important: Please note that the “Automated Inverted Microscope for Cellular Imaging” should match all technical specifications listed above. Submitted technical bids should contain a detailed compliance certificate as per the technical specifications listed in the tender document.**

Both the Technical and Commercial bids should be put in separate sealed envelopes and put together in another cover stating “Automated Inverted Microscope for Cellular Imaging” and should reach us on or before 10<sup>th</sup> November 2023 at the below address.

**The bids should be addressed to:**

The Chairman,

Department of Chemical Engineering,

Indian Institute of Science,

Bangalore 560012, India.

Kind attention: Prof. Rahul Roy, Chemical Engineering

Email: [chair.ce@iisc.ac.in](mailto:chair.ce@iisc.ac.in), [rahulroy@iisc.ac.in](mailto:rahulroy@iisc.ac.in), [rahulfx16@nanobiophotonics.org](mailto:rahulfx16@nanobiophotonics.org)