

Global tender notification for the procurement of “Automated, Inverted, Fluorescent live cell Imaging Microscopy system” for the Animal BSL-3 facility in Centre for Infectious Diseases of the Indian Institute of Science, Bangalore

Last date of submission of tenders: 28.03.2023

(TENDER FROM FOREIGN VENDORS)

Date: 14.03.2023

To whom it may concern

This is a Request for Quote (RFQ) from Foreign/ International Original Equipment Manufacturer (OEM) or their Indian authorized distributor for the supply of “**Automated, Inverted, Fluorescent live cell Imaging Microscopy system**” as a part of a tender for the Centre for Infectious Diseases Research at the Indian Institute of Science.

The global tender comes without GTE approval since, the equipment is exempted from GTE approval process vide the government order, OM No. F 4/1 12022-PPD(pt) Dated the 21't June,2022 which provides relaxation on global tender enquiry (GTE) under rule 161(iv) of General Financial rules (GFRs) 2017 for procurement of medical devices.

The equipment is listed in Sl. No. 258.

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 the other containing the “Commercial bid”, both of which should be duly signed and must reach the undersigned on or before 17:00 hours of 28th March 2023

The compliance table should include all the items and in the same order. The first column should describe your compliance in a “Yes” or “No” response. If “No” the second column should state, the extent of the deviation. The “third” column should state the reasons for the deviation if any. The fourth column can be used to compare your solution with that of your competitors or provide details as requested in the technical requirements below.

TECHNICAL SPECIFICATIONS

General	
Microplate types	Should Image 6- to 1536-well plates with and without lid
Other labware	Should be supplied with 4-slide holder and Multivessel adapter holder for use with a variety of labware, including Petri/cell culture dishes, chamber slides, etc,
Temperature control	Should have 4-Zone incubation to 45 °C with Condensation Control; ± 0.2 °C at 37 °C
Software	Should have single Integrated software for Image Capture and Image Analysis
Automation	Microplate Stacker compatible Automated CO ₂ / O ₂ Incubator compatible
CO ₂ and O ₂ control (optional)	Range: 0 – 20% (CO ₂); 1 – 19% (O ₂)
Imaging System	
Imaging mode	Should have Fluorescence and High Contrast Brightfield mode
Imaging method	Should have Single color, multi-color, montage, time lapse, z-stacking imaging methods
Image processing	Should have features of Background removal, Deconvolution, Z-projection, Image stitching,
Camera	Should have CMOS, 16-bit gray scale camera
Objective capacity	Should have atleast Two-position automated turret for user-replaceable objectives
Objectives available	Should have option of 1.25x, 2.5x, 4x, 10x, 20x, 40x, 60x objectives
Objectives to be supplied	10x and 60x should be quoted
Image filter cube capacity	Should have 4 user-replaceable fluorescence cubes plus bright field channel options
Imaging filter cubes to be supplied	Should be quoted with DAPI, Oxidized roGFP2, GFP, CY5 along with respective excitation LED cubes for imaging applications
Automated functions	Should have autofocus, autoexposure, auto-LED intensity functions for automated imaging
Autofocus method	Should have various autofocus methods including Image-based autofocus User-trained autofocus, Laser autofocus (option)
Positional controls	Should have Software controlled position
Image collection rate	Should have image collection rate of Image-based autofocus: 96 wells, 1 color (DAPI), 4x, < 7 minutes 96 wells, 3 colors, 4x, < 13 minutes
Reagent Injectors (option)	

Supported detection modes	All modes
Number	2 syringe pumps
Supported labware	6- to 384-well plates, Petri dishes
Dead volume	1.1 mL with back flush
Dispense volume	5 - 1000 μ L in 1 μ L increments
Plate geometry	6- to 384-well microplates, Petri dishes
Dispense accuracy	\pm 1 μ L or 2%
Dispense precision	\leq 2% at 50 - 200 μ L
Upgradeability	
Detection Modes	Same instrument should be upgradeable to add Multimode Detection capability. Should allow to add UV-VIS Absorbance, Fluorescence Intensity, TRF, HTRF, Fluorescence Polarization, Luminescence
Physical Characteristics	
Power	Power consumption should be < 250 Watts.
Dimensions	20" D x 16.5" W x 17.5" H (50.8 cm x 41.91 cm x 44.5 cm)
Weight	< 30 kg
Regulatory	
Regulatory	Should be CE and TUV marked.
Desktop	Suitable Branded desktop with atleast Corei5, 8GB, 256GB SSD, 1TB HDD, Window 11 pro (64-bit), Office 2021 Two desktop monitors will be needed.

Terms and conditions:

The quote should come only from Foreign/ International Original Equipment Manufacturer (OEM) or their Indian authorized distributor or from the original manufacturer.

The quotations should be submitted in two bids system, i.e., technical bid, and commercial bid.

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. Also include warranty terms and any other information on upgradation terms in the technical bid.

The commercial bid must include the price of the instrument indicating break up of: Installation, commissioning, and training charges, including any incidental expenses if any.

The price of every line item in the commercial bid should be quoted along with the total quoted price for the instrument to be operational (fixed and ready to use) in our facility.

Both the Technical and Commercial bid should be put in separate sealed envelopes, and put together in another cover stating, **“Automated, Inverted, Fluorescent live cell Imaging Microscopy system”** and should reach us on or before 17:00 hours of 28th March 2023

The vendor should have a team of dedicated engineers for application and service support based out of Bangalore

The lead time for the delivery of the equipment should not be more than three months from the date of receipt of the purchase order

The validity period of the quotation should be 90 days

If the goods are found to be defective, they must be replaced or rectified at the cost of the supplier within 30 days from the date of receipt of written communication from us. If there is any delay in replacement or rectification, the warranty period should be correspondingly extended.

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 to the award of construct without thereby incurring any liability of the affected bidder or bidders

Please submit the proposal to the following address: The Chair (Attention Dr. Amit Singh), MCBL, Centre for Infectious diseases Research, Indian Institute of Science, C. V. Raman Avenue, Bangalore 560012.