



**National Institute of Immunology
New Delhi-110067, INDIA**

Tender Enquiry No.NII/GTE/EQP/S&P/SBK/MAY/2025-26

Dated: 16.06.2025

Corrigendum

for procurement of
“FLUORESCENT MICROSCOPE”

**NATIONAL INSTITUTE OF IMMUNOLOGY
ARUNA ASAF ALI MARG, NEW DELHI-110067
Ph.:+91-011-26703757/26703838
Email: stores@nii.ac.in
Website: -WWW.NII.RES.IN**

NOTICE INVITING TENDERS

1.	EMD Amount	Rs. 76000/- (Rupees Seventy-Six Thousand only) 1. To be paid through DD/PO/B. G: - In favour of Director, National Institute of Immunology, payable at New Delhi-110067 2. Also, RTGS/NEFT/B.G. NII, New Delhi Bank details are as under: Beneficiary Name: National Institute of Immunology, New Delhi Bank Name: CANARA BANK Branch Address: Jit Singh Marg, New Delhi-110067 Bank Account No.: 1484101001636 IFSC Code: CNRB0001484 (UTR Number is mandatory (in case of RTGS/NEFT) is provided in the technical quotation/bid)
2.	Tender Fee	1180/- (including 18% GST) bank details as above
3.	Performance Security	5% of CIP value insurance from shipper warehouse to NII warehouse
4.	Warranty	5 years
5.	Last Date and Time for receipts of Bids	Up to 10:00 A.M. on 30/06/2025
6.	Opening of Technical Bid	11:00 AM. on 30/06/2025
7.	Place of Bid Submission	Tender Box (located at reception) National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi-110067
8.	Address of Communication	Director National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi-110067
9.	Contact Phone Numbers	011-26703757
10.	E-mail Address	equipment@nii.ac.in

***Revised Specification/corrigendum document can be downloaded from NII Website and CPPP portal**

Below is the revised specification/corrigendum Interested bidder may quote accordingly

Based on the communication received and further technical scrutiny, a few specifications have been now relaxed and detailed below. The altered specifications have been highlighted in bold and other modifications have been indicated by strikethrough.

Microscope specifications:

- Suitable Objectives for both Transmitted Light and fluorescence Illumination. Objective should be **2 or 2.5x/10x/20x/40x**
- 5 Mega Pixel color camera with CMOS Sensor
- SONY CMOS sensor, Spectral range: With IR barrier filter app. 400 nm to 720 nm, IR barrier filter, Camera should be provided with suitable C-mount adapter.
- Eyepieces 10x with FOV **22-23** or better, Focusable with Eyeguard, pair
- System integrated software for capturing images, and should be able to perform Brightfield, Darkfield, Phase contrast and multichannel fluorescence imaging, image adjustments Image annotations (text, arrows, boxes, circles, scale bars, Image tags such as acquisition and exposure time)
- Interactive measurement of intensity profiles, length, area, perimeter, circle, angle, counting and marking of events. Extensive configuration capabilities of all components of the graphical user interface (creation of user specific dialogs, toolbars, workflows, keyboard shortcuts and icon assignment). Image import should be in (bmp, tif, jpg, j2k, jp2, gif, tga, png, cal, msp, ras, pct, eps, wmf, psd, img, cmp). Export of ZVI Z-Stack or Time Lapse sequences as movies (AVI, MOV). Image enhancement (brightness, contrast, gamma, smooth/sharpen, noise reduction, background subtraction, shading correction, white balance)
- AI Based, Cell Counting and confluency
- Should have filters for DAPI, FITC and TRITC dyes
- Long working distance Condenser of NA 0.3 along with suitable slider and stops for Brightfield and Phase contrast should be provided
- LED Illumination integrated in microscope body and controlled by the microscope only
- Should have **minimum 3 channel or more long-life LED (50000 hrs or above) illumination for DAPI, RFP/TEXAS RED/ TRITC, GFP/FITC/Alexa 488** dyes. The same microscope stand should support other fluorescence illuminators such as Mercury arc lamp and Metal halide lamps.

- Inverted microscope stand with 6 position encoded nosepiece supported by DIC or better, with integrated Smart Control Box, Carrier transmitted-light with integrated white LED 10W (average LED lifetime > 60000 hrs) and 2-position filter slider, d=32 mm, manual coarse/fine focus drive, 10-13 mm focus lift with adjustable focus stop, snap button , ECO mode, Light manager, Smart Control Box, for stand-alone operation (without PC) of microscope stand functions via On Screen Display and for usage with Labscope (Windows and iOS), Automatic features for camera control, Image enhancement functions and readout of encoded microscope functions
 - Provided interfaces: HDMI, USB3.0 Type C and Type A, USB 2.0 Type A, Ethernet, Micro-D
 - Wi-Fi compatibility via USB Wi-Fi adapter and router
 - USB 3.0 flash drive, Type-C and Type-A
 - - USB 2.0, Type B interface to PC
 - external power adaptor
 - input: 100-240V AC, 50/60Hz
 - output: 24VDC, 5A
 - country specific power cable
 - Dust protection set
- **Encoded/Intelligent** 6 position Nosepiece or more for brightfield, darkfield, Phase contrast and should support DIC as well
- Binocular phototube **30-45°/22 OR 23 (100:0, 20:80, 50:50)**, reversed image with sliding prism, low-vibration prism switch
- Should have a mechanical Stage 130x85
- Branded PC with OS : Win 10, Core i5 Processor 13th Gen, * 16 GB RAM, Hard Drive : 512 GB, Monitor: Size 22” resolution 1920x1080, USB Mouse and Key Board
- Microscope & Camera and software should be of latest version & from same OEM
- Warranty of 5 years

Note:

LED lifetime minimum 50,000h or above is required and also smart control box option could be important for convenience and accuracy. Therefore, these conditions should not be relaxed.