



श्री चित्रा तिरुनाल आयुर्विज्ञान एवं प्रौद्योगिकी संस्थान, जैवचिकित्सकीय प्रौद्योगिकी स्कंध
SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES AND TECHNOLOGY
BIO MEDICAL TECHNOLOGY WING

(एक राष्ट्रीय महत्व का संस्थान, विज्ञान एवं प्रौद्योगिकी विभाग, भारत सरकार)

(An Institution of National Importance, Dept. of Science and Technology, Govt. of India)

पूजप्पुरा, तिरुवनंतपुरम – 695012, केरल, भारत | Poojappura, Thiruvananthapuram – 695012, Kerala, India

टेलीफॉन नं/ Telephone No: 0471-2340801 / 2520450, फैक्स/ Fax: 0471-2341814

वेबसाइट/ Website: www.sctimst.ac.in, ईमेल / Email: bmtstp@sctimst.ac.in

No. **SCTIMST/BMT/GTE/8255-TIC/2024-25/01**

Date. **29.01.2025**

CORRIGENDUM - 01

Tender No. **SCTIMST/BMT/GTE/8255-TIC/2024-25/01** dated. **02.01.2025**

Name of the Item:- **3D Fluorescence Imaging Microscope**

CRITICAL DATE SHEET

Particulars	Existing	To be read as
Bid Submission End Date & Time	30.01.2025, 05.00 PM	10.02.2025, 5.00 PM
Submission of Hard Copy of EMD & Techno-Commercial Bid End Date & Time	05.02.2025, 05.00 PM	14.02.2025, 5.00 PM
Techno-Commercial Bid Opening Date & Time	06.02.2025, 11.30 AM	17.02.2025, 11.30 AM

AMENDMENTS IN TENDER SPECIFICATION

#	Tender Ref.	Existing	To be read as
1.	Technical Specification Document (a) Microscope	Automated Inverted Microscope with motorized Z axis movement for 3D imaging capability in phase contrast, bright field and fluorescence mode. The entire	Automated Inverted Microscope with motorized XY and motorized Z axis movement for 3D imaging capability in phase contrast, brightfield and fluorescence mode. The entire

		optics and light path should be optimized for high quality fluorescence imaging and compatible with UV and Visible light. Microscope stand should have Course and Fine focusing and Z step size along with Image Capture functions, Touch screen or button interface for microscope control.	optics and light path should be optimized for high quality fluorescence imaging and compatible with UV and Visible light. Microscope stand should have Course and Fine focusing and Z step size along with Image Capture functions, Touch screen or button interface for microscope control.
2.	Technical Specification Document (b) Imaging Methods	The system should be capable of high resolution imaging in Phase contrast, Single color, multi-color, time lapse, z-stacking, z-stack montage Nosepiece: The system should have minimum 6 automated objective turret and can contain up to minimum 4 LED/filter cubes for multi-channel image capture with 5 Imaging Channels of 4 Epi-fluorescence + 1 Transmitted Light mode.	The system should be capable of high resolution imaging in Phase contrast, Single color, multi-color, time lapse, z-stacking, z-stack montage Nosepiece: The system should have minimum 6 (or more) automated objective turret and can contain up to minimum 4 LED/filter cubes for multi-channel image capture with 5 Imaging Channels of 4 Epi-fluorescence + 1 Transmitted Light mode.
3.	Technical Specification Document (i) Camera	System should be provided with a dedicated minimum 5 MP monochrome CMOS camera or cooled CMOS camera for low light level fluorescence imaging and 8-megapixel color CMOS camera or better for Bright-field imaging. The system should be capable of automatic switching between Fluorescence/Monochrome Image and color image capture automatically.	System should be provided with a dedicated minimum 5 MP monochrome CMOS or sCMOS cooled camera having 3.45 to 6.45 micron pixel size, with quantum efficiency of more than 70% for low light level fluorescence imaging and 8-megapixel color CMOS camera or better for Bright-field imaging. The camera should have a good signal to noise ratio. The system should be capable of automatic switching between Fluorescence/Monochrome Image and colour image capture automatically.
4.	Technical Specification Document	Software to control all the motorized components of Microscope, above camera/s for acquisition of images in	Software to control all the motorized components of Microscope in X, Y and Z movement, above camera/s for

	(k) Software	<p>multi-channel mode with Image Overlay & Z-stack. Should have the module for autofocus and deconvolution to sharpen images. Real time or offline based 3D deconvolution module is a must. Software should be able to do all measurement annotations, Length, Area, Cell Count, Scale Bar) plugins for Noise Removal and capability to do a Z Stack of the sample automatically. The software for controlling the microscope and the image processing should be of life time license without need for further up-gradation for the functions available during installation.</p>	<p>acquisition of images in multi-channel mode with time lapse imaging and Image Overlay & Z-stack. Should have the module for autofocus and deconvolution to sharpen images. Real time or offline based 3D deconvolution module is a must. Software should be able to do all measurement annotations, Length, Area, Cell Count, Scale Bar) plugin's for Noise Removal and capability to do a Z Stack of the sample automatically. The software for controlling the microscope and the image processing should be of life time license without need for further up-gradation for the functions available during installation.</p>

The Compliance Statement in Excel Format is also modified accommodate the above changes. Bidders are advised to ensure that they upload the modified version of Compliance Statement along with their bid.

All other Terms and Conditions of the original tender notice shall remain unchanged.

Sd/-
[DIRECTOR]
