



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY
MATERIALS MANAGEMENT DIVISION
Powai, Mumbai - 400076

22nd Jan, 2026

Corrigendum –I

For (PR No. 100051790) RFX No. 6100002600

Motorized Inverted Fluorescence Microscope

Sr. No.	Online RFX Clause	Previous Clause	Changed Clause
1.	Technical specification Point no. 11	Reflected light Illumination: 120W Metal Hallide with built-in power supply, lamp module and infrared filter for fluorescence light source with motorized brightness switch and integrated motorized shutter, that works stepper motor controlled, fast and vibration free. Antiglare screen must be provided.	Reflected light Illumination: 120W LED illumination with higher lifetime of 15,000 hrs per LED line for fluorescence should be offered with minimum 4 wavelengths should be part of the configuration for the wavelengths 385nm, 469nm, 555nm and 631 nm or equivalent; Excitation from DAPI to Cy5; with direct coupling. Mercury-free with long-lasting performance and significantly lower running costs, this short time switching fluorescence light source can deliver a total light output of 940 mW or better for the entire lifetime of the light source. Antiglare screen must be provided.
2.	Technical specification Point no. 13	Camera: Research grade High QE fluorescence imaging monochrome CMOS camera with a. Number of pixels: 4512 x 4512 = 20 megapixels or better b. Minimum Pixel size: 2.7µm x 2.7 µm or better c. Chip Size: 12 mm x 12 mm, equivalent to 1.1" (17.5	Camera: Research grade High QE fluorescence imaging monochrome scientific CMOS with: a. Number of pixels: 2304 x 2304 = 5.4 megapixels or better b. Minimum Pixel size: 6.5 µm x 6.5 µm or better c. Chip Size: ~15 mm x ~15 mm d. Spectral Range: With protection glass, 350 nm to 1000 nm e. QE: 75% or higher for a spectral range

		<p>mm diagonal) or higher</p> <p>d. Spectral Range: With protection glass, 350 nm to 1000 nm</p> <p>e. Peak QE:86% @ 460 nm or higher</p> <p>f. Frame rate: 30 fps in live mode & 28 fps at 20 MP at 20MP</p> <p>g. Bit depth: 14 bit</p> <p>h. Exposure time: 0.1 ms – 60s</p> <p>i. Global Shutter</p> <p>j. Minimum USB 3.0</p>	<p>of 450 nm – 650 nm</p> <p>f. Frame rate: 31.6 fps at full resolution</p> <p>g. Bit depth: 16 bit</p> <p>h. Exposure time: 17 μs – 10 s</p> <p>i. Rolling shutter</p> <p>j. Readout noise of 0.7 electrons rms or lesser in ultra quiet scan mode</p> <p>k. Interface : Minimum USB 3.0</p> <p>l. Dark signal non-uniformity (DSNU): 0.06 electrons</p> <p>m. Active Peltier cooling to at least -5°C to minimise dark current during long exposures</p>
3.	Technical specification Point no. 16	The microscope, camera & Software should be from the same manufacturer.	The microscope, light sources & Software should be from the same manufacturer.
4.	Technical specification Point no. 17	Warranty: The system must be covered for 5 years warranty from the date of Installation.	Warranty: The system must be covered for 5 years warranty from the date of installation. This warranty package should include preventive maintenance and unlimited breakdown visits.

Sankar

Deputy Registrar/Assistant Registrar

Materials Management Division

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22/11/2026