CENTRAL INSTITUTE OF PETROCHEMICALS ENGINEERING & TECHNOLOGY
SCHOOL FOR ADVANCED RESEARCH IN POLYMERS (SARP) - LARPM
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CORRIGENDUM

With reference to the e-Tender Notice No. **06/2021-22 for Supply & Installation of Inverted Fluorescent Microscope with Automated Z Focus for Advance Fluorescence Imaging** at CIPET:SARP-LARPM, Bhubaneswar, the following changes made as under :

Sl. No in Technical Specification of the Tender documents	Existing Specification	Revised Specification
1.	Inverted microscope with transmitted light LED illumination for bright field, phase contrast, fluorescence, DIC and upgradable to dark field option for Bio-Medicine Applications.	Motorized inverted Microscope stand with apochromatically corrected fluorescence beam path with transmitted light LED illumination for bright field, phase contrast, fluorescence, DIC and upgradable to dark field option for Bio-Medicine Applications.
		The microscope should be provided with left and right side camera ports for attachment of two cameras.
	Should have large, stable bearing mounted Microscopy stand and should, have provision to attach camera at side port, It should have with light sharing ratio, of 0:100 and 100:0.	Should have large, stable bearing mounted. Microscope should have an integrated Light Intensity Manager and Contrast Manager for bright field applications and dedicated TFT/LCD display for convenient operation and control of the microscope. should, have provision to attach camera at side port, It should have with light sharing ratio, of 0:100 and 100:0.
2.	LED based transmitted light illumination (min of4500K white light LED), with shutter having long life of min 25000 hours or better. Auto-off function.	LED based transmitted light illumination (min of 4500K white light LED), with shutter having long life of min 50000 hours or better.
3	Condenser should have min working distance of 23 mm or better with at least 6 Positions with intelligent/coded option.	Condenser should have min working distance of 23 mm or better with at least 6 Positions

4	Dedicated Objective prism turret should be provided for DIC application.	Deleted
	Objective Prism Turret: Minimum 4 Poston or better, coded Objective Prism turret should be quoted	Deleted
	Objectives Plan 5X, 10X NA 0.25 PH or better, Plan Long distance20X NA 0.35 PH or better, Plan long distance 40X DIC Fluorite/FL grade NA0.60 with Collar correction or better, Plan Fluorite/FL grade 100X DIC NA 1.32 or better.	Objectives Plan 5X, 10X NA 0.25 PH or better, Plan Long distance20X NA 0.35 PH or better, Plan long distance 40X DIC Fluorite/FL grade NA0.60 with Collar correction or better, Plan Fluorite/FL grade 100X DIC NA 1.4 or better.
5	Motorised Z focus with step size 4 nm or better.	Motorized Z focus with step size10 nm or better.
	Closed Loop Focus with 20 nm or better.	Deleted
7	Should have 6 position objective nosepiece	Should have 6 position motorized objective nosepiece suitable for DIC
9	Fluorescence filter turret with minimum of 6 positions should have adjustable aperture and field diaphragms, filter position.	Fluorescence filter turret with minimum of 6 positions motorized should have adjustable aperture and field diaphragms, filter position.
11	FOV for camera should be minimum 19 mm.	FOV for camera should be minimum 23 mm
	Dedicated digital Scientific grade camera capable of taking high resolution images, 7 Megapixel or above, High grade CCD sensor.	Dedicated digital Scientific grade camera capable of taking high resolution images, 8 Megapixel or above, High grade CCD/ CMOS sensor. Frame rate 28 – 30 fps or better
	Microscope should be provided with Monochrome CCD camera 2,00,000 Pixelsor better with trigger capability.	Microscope should be provided with another Monochrome CCD/CMOS camera 2 Mega pixel or better with trigger capabilities. Frame rate: 28-30 fps or better
17	Any additional advanced features of the equipment and accessories can be quoted with full details and specifications as optional.	Deleted
	Updated spec	Fully Motorized XY Scanning stage should be quoted as optional.
	Updated spec	Upgradable to Laser scanning confocal Microscope, Live cell imaging facility & hardware based optical sectioning module - Easy to use 3D sectioning technique in future onsite.

All other terms & conditions of the e-Tender are remain unchanged.

Asst. Admin Officer