

Indian Association for the Cultivation of Science
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Ref. No. BC/PKD/18-19/3/1

Date : 23/04/2018

Corrigendum of Tender Notice No.I

NIT No.: IACS/BC/PKD/2018-19/3 Date 12/04/2018

Corrigendum of Technical Specification

Technical Specification for ' Live Cell Imaging Motorized Inverted Fluorescence Microscope'
(changes in the specification are marked as bold and italics in the extreme right column)

Features/SI No.	Specifications In the Original Tender Notice	Specifications <i>After the Pre-bid Meeting</i>
1. Microscope Frame (Motorized)	Frame with high static rigidity, waterproof construction to help block penetration of water inside the frame. Frontal Controls for Motorized Light path selector 0:100/50:50/100:0, Transmitted light Intensity control, and light ON/OFF switch. The frame should come with Sextuple Motorized revolving nosepiece, Motorized fine &course focus adjustment with minimum step size 20 nm or better, attachable Motorized DIC slider. Frame should have the option to upgrade in confocal/TIRF system. Up-gradation should be carried out on site. Dedicated Touch Panel control for stage and full Microscope Control with XYZ movement Knob/Joystick should be quoted in main offer.	Frame with high static rigidity, waterproof construction to help block penetration of water inside the frame. Frontal Controls for Motorized Light path selector 0:100/50:50/100:0, Transmitted light Intensity control, and light ON/OFF switch. The frame should come with Sextuple Motorized revolving nosepiece, Motorized fine &course focus adjustment with minimum step size 10-15 nm or better, attachable Motorized DIC slider/ turret . Frame should have the option to upgrade in confocal/TIRF system. Up-gradation should be carried out on site. Dedicated Touch Panel control for stage and full Microscope Control with XYZ movement Knob/Joystick should be quoted in main offer.
4. MECHANICAL XY Stage WITH POSITION REPRODUCIBILITY:	MECHANICAL XY Stage WITH POSITION REPRODUCIBILITY: Mechanical stage with right hand control with the holders for Petri Dish, Slide and Well Plate, microtiter plate Travel range 110 X 75 mm or better.	MECHANICAL/ Motorized XY Stage WITH POSITION REPRODUCIBILITY: Mechanical stage with right hand control with the holders for Petri Dish, Slide and Well Plate, microtiter plate Travel range 110 X 75mm or better. Motorized encoded XY-Stage may also be quoted as in lieu/optional
6. Objectives	Universal Plan apochromat objective 60X/1.35 or better, WD 0.12 mm (Spring, Oil) or better.	Universal Plan apochromat objective 60X/ 63X 1.4 NA or better, WD 0.12 mm (Spring, Oil) or better.
8. Photo Micrograph attachment:	For Fluorescence application: Scientific Grade Monochrome Cooled CCD Camera with 1.4 MP resolution or better, Pixel Size: 6.4X6.4 μ or better, 2/3” CCD Chip or higher, Digital Output 14 Bit or better, Frame rate 15 fps or better at full	For Fluorescence application: Scientific Grade Monochrome Cooled CCD Camera with 1.4 MP resolution or better, Pixel Size: 4.5X4.5 μ or better, 2/3” CCD Chip or higher, Digital Output 14 Bit or better, Frame rate 15 fps or better at full

	resolution, Peltier Cooling or better, having quantum efficiency 60% or better. Installation must be easy on any PC or laptop equipped with a FireWire-port, USB or PCI card.	resolution, Peltier Cooling or better, having quantum efficiency 60% or better. Installation must be easy on any PC or laptop equipped with a FireWire-port, USB or PCI card.
8. Photo Micrograph attachment:	For BF/Phase Contrast/ DIC application : high-resolution, 16-megapixel or more CMOS color cooled camera for sample's fine details and structures. with 4K Live Image, performance for bright-field applications, through fast live focusing and noise cancellation, and making the screen the standard for documentation, evaluation, and discussion. With binning 2X , 4X, Life Speed 50 FPS or more, cooled, pixel size of 1.25X1.25 μ or better.	For BF/Phase Contrast/ DIC application : high-resolution, 16-megapixel or more CMOS color cooled camera for sample's fine details and structures. with 4K Live Image, performance for bright-field applications, through fast live focusing and noise cancellation, and making the screen the standard for documentation, evaluation, and discussion. With binning 2X , 4X, Life Speed 30 FPS or more, cooled, pixel size of 1.25X1.25 μ or better.
10. Live Cell Imaging Set up:	On stage CO2 Incubator with top plate heating method, 35 mm petridish holder, Chamber Slide, Well-plate adopter, Temp , CO2 and Humidity control , time lapse Imaging facility should be quoted with main offer.	On stage CO2 Incubator with top plate heating method, 35 mm petridish holder, Chamber Slide, Well-plate adopter, Temp , CO2 and Humidity control , time lapse Imaging facility should be quoted with main offer. <i>Software controlled incubator system should be quoted</i>

All other terms, conditions and timings remain unchanged.

Acting Registrar