

(राष्ट्रीय पशु जैव प्रोद्योगिकी संस्थान)
National Institute of Animal Biotechnology

Corrigendum -- Change of Date & Specifications

Please refer NIAB Tender Details as follows. Tender ID : 2018_DBTEC_412903_1

Tender Reference Number : NIAB/SP/2018-19/61

Tender Title : Upright/Inverted Fluorescence Microscope

The following changes may please be noted before submission of bids with respect to the tender details mentioned above.

In place of old dates mentioned in Tender , please consider following dates.

Document Download End Date :- in place of Existing old date --- Read As :- 27/12/2018

Bid Submission End date : in place of Existing old date --- Read As :- 27/12/2018

Bid Opening Date in place of Existing old date --- Read As :- 28/12/2018

Revised /New changes in specifications

Specification in place of Existing old specifications --- **Read As** : - Annexure -1 (as attached below)

The specification mentioned below should be treated as revised specification with and bid must be submitted accordingly .

Rest of the tender conditions remains same.

Manager (S&P)
NIAB-Hyderabad
Date:- 15/12/2018

Changes in Specification		Annexure -1
Specification No.	Existing Specification	Modified Specification
Name of the Item	RESEARCH GRADE FULLY MOTORISED INVERTED MICROSCOPE with DIC and Fluorescence attachment with two CCD cameras	RESEARCH GRADE FULLY MOTORISED INVERTED MICROSCOPE with DIC and Fluorescence attachment with CCD/CMOS cameras
1	Mechanically rugged and sturdy Motorised Binocular Inverted Microscope for Bright field, DIC and Fluorescence application with side port for camera. Motorised 3-step light path switching Binocular 100% / side port 100% / Binocular: side port = 50:50	Mechanically rugged and sturdy Motorised Binocular Inverted Microscope for Bright field, DIC and Fluorescence application with side port for camera. Motorised 3-step light path switching Binocular 100% / side port 100% / Binocular: side port = 20:80 or 50:50
2	The system should have left side port for camera and a right side/back port for future upgradations Remote touch screen panel to control the Microscope components. The microscope should have the necessary components or accessories required for Bright field, DIC and fluorescence applications.	The system should have left side port for camera and a right side port for future upgradations Touch screen panel to control the Microscope components. The microscope should have the necessary components or accessories required for Bright field, DIC and fluorescence applications.
3	Motorized Z focus drive with coarse and fine mechanisms on both sides with 10nm step size or better. Motorized Sextuple revolving Objective nose piece with 6 positions or more with an easy drainage facility to avoid cell culture dish leakage in to the optics. In built motorized shutter for bright field and fluorescence illumination control Linear Encoded Motorized X-Y stage with a minimum travel range of 110mm X 75mm with joystick control with adapters for slides, 35 & 60 mm petri dishes, 6 well & 96 well plates, chamber slides, T25 and T75 flasks (Universal adaptors). 12v – 100w Pre-centered Halogen lamp with intensity control for transmission light with Neutral density Filter, Day Light filter. Motorized Shutter for Multi-dimensional Imaging in Bright Field	Motorized Z focus drive with coarse and fine mechanisms on both sides with 10nm step size or better. Motorized Sextuple revolving Objective nose piece with 6 positions or more with an easy drainage facility to avoid cell culture dish leakage in to the optics. In built motorized shutter for bright field and fluorescence illumination control Motorized X-Y stage with a minimum travel range of 110mm X 75mm with joystick control with adapters for slides, 35 & 60 mm petri dishes, 6 well & 96 well plates, chamber slides, T25 and T75 flasks (Universal adaptors). 12v – 100w Pre-centered Halogen / LED lamp with intensity control for transmission light with Neutral density Filter, Day Light filter. Motorized Shutter for Multi-dimensional Imaging in Bright Field
4	Objectives for DIC and Fluorecence applications: Plan Apochromat 10X / NA 0.3 Or better Long working distance Plan semi apochromat 20X / NA 0.4 or better Plan Apochromat Objective 20X/ NA 0.75 or better	Objectives for DIC, BF, Phase and Fluorecence applications: Plan Apochromat 10X / NA 0.3 Or better. Long working distance Plan semi apochromat 20X / NA 0.4 or better. Plan Apochromat Objective 20X/ NA 0.75 or better.

	<p>Long working distance Plan semi apochromat 40X / NA 0.60 or better Plan apochromat 63X oil / NA 1.25 or better</p> <p>Automatic control of phase components for Multidimensional Imaging</p> <p>Long working distance Motorised universal condenser NA 0.55 or more with 7 positions for bright field, DIC and phase contrast applications. It should have dedicated slots for DIC prisms for each objective.</p> <p>Microscope should have Motorised polariser and analyser for DIC. Separate DIC prisms for each objective: 10x, LD20x, 20x, LD 40x and 63x should be included.</p>	<p>Long working distance Plan semi apochromat 40X / NA 0.60 or better. Plan apochromat 63X oil / NA 1.25 or better.</p> <p>Automatic control of phase components for Multidimensional Imaging</p> <p>Long working distance Motorised universal condenser NA 0.52 or more with 6 positions or better for bright field, DIC and phase contrast applications. It should have dedicated slots for DIC prisms for each objective.</p> <p>Microscope should have Motorised analyser for DIC. Separate DIC prisms for each objective: 10x, LD20x, 20x, LD 40x and 63x should be included.</p>
5	<p>120W Metal Halide Illumination with motorized Intensity regulator for Fluorescence Applications</p> <p>Motorized 6 position reflector turret or better. Band pass filter sets for DAPI, FITC/GFP, RFP/TRITC/Cy5</p> <p>High Performance microscopy Peltier cooled CCD Monochrome camera incl. driver software, USB 3.0 PCIe x1 interface, dual USB 3.0/USB 2.0 cable 3 m and BK7 protection glass (coated).</p> <p>2.8 Mega Pixels or better Pixel size: 4.54 μm x 4.54 μm or better Chip size: 12 mm x 10 mm, equivalent to 2/3" (11 mm diagonal) Spectral range: with protection glass app. 400 nm to 1000 nm Max. Full Well Capacity: Approx. 15,000 e</p>	<p>120W or better Metal Halide Illumination with motorized Intensity regulator for Fluorescence Applications</p> <p>Motorized 6 position reflector turret or better. Band pass filter sets for DAPI, FITC/GFP, RFP/TRITC, Cy5</p> <p>High Performance microscopy cooled CCD/CMOS Monochrome camera incl. driver software, USB 3.0 PCIe x1 interface, dual USB 3.0/USB 2.0 cable 3 m and BK7 protection glass (coated).</p> <p>2.8 Mega Pixels or better 36 FPS, Pixel size: 4.54 μm x 4.54 μm or better</p> <p>Chip size: 12 mm x 10 mm, equivalent to 2/3" (11 mm diagonal) Spectral range: with protection glass app. 400 nm to 1000 nm Max. Full Well Capacity: Approx. 15,000 e</p>