

(राष्ट्रीय पशु जैव प्रोद्योगिकी संस्थान)

## National Institute of Animal Biotechnology

### Corrigendum -- Change of Date & Specifications

Please refer NIAB Tender Details as follows.

Tender ID : 2020\_DBTEC\_550700\_1

Tender Reference Number : NIAB/SP/2019-20/59

Tender Title : Fully Motorized 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 :- 20/04/2020

Bid Submission End date : in place of Existing old date --- Read As :- 20/04/2020

Bid Opening Date in place of Existing old date --- Read As :- 21/04/2020

#### Revised /New changes in specifications

- 1. Specificaton** in place of Existing old specifications --- **Read As** : - Annexure -1 (as attached below) The specification mentioned below should be treated as revised specification and bid must be submitted accordingly.
- 2. TECHNICAL BID COMPLIANCE FORM** in Chapter no 6 must be submitted according to this revised specification .

Rest of the tender conditions remains same.

S N	Existing Specification	New Revised Specifications
1	<p><b>Main Body:</b> Motorized Inverted Microscope stand with fully Apochromatically corrected Fluorescence beam path, built in Intermediate Magnification of 1.5X or 2X and it should have dedicated TFT/ LCD display or microscope integrated options for convenient operation of all motorized components. Linear Scaled Motorized Coarse / Fine / extra fine focus, rotary encoder, escape (for anti-collision), refocus mechanism.</p>	<p><b>Main Body:</b> Motorized Inverted Microscope stand with fully Apochromatically corrected Fluorescence beam path, built in Intermediate Magnification of <b>1.5X or better</b> and it should have dedicated TFT/LCD display or microscope integrated options for convenient operation of all motorized components. Linear Scaled Motorized Coarse / Fine / extra fine focus, rotary encoder, escape (for anti-collision), refocus mechanism</p>
3	<p><b>Motorized Objective Nose piece:</b> 6 Position Motorized Objective DIC Nose piece or better Infinity optical corrected system with built in 4 position Motorized light path selector for 100% Eye, 100 % Left, 100% Right, and 20Eye/ 80 Left Port.</p>	<p><b>Motorized Objective Nose piece:</b> 6 Position Motorized Objective DIC Nose piece or better Infinity optical corrected system with built in <b>3 position or Better</b>. Motorized light path selector for 100% Eye, 100 % Left, 100% Right, and 20Eye/ 80 Left Port.</p>
8	<p><b>Objectives:</b> Plan Achromat 4X A, N.A. 0.10, W.D. 30.0mm Long working distance Plan Achromat 10X- Phase objective N.A. 0.25 or better LWD 20X/ 0.40 NA WD 3.0 mm or better, Ph1. 60x/63X- Plan Apochromat DIC objective N.A. 1.4 Oil or better DIC attachment for 60X objective with the required accessories</p> <p><b>Optional quote for:</b> Plan Fluorite 40X/0.75 NA Objectives. Plan Apochromat 100X 1.45 NA objective.</p>	<p><b>Objectives:</b> Plan Achromat 4X A, N.A. 0.10, W.D. 30.0mm Long working distance <b>Achromat 10X-</b> Phase objective N.A. 0.25 or better LWD 20X/ 0.40 NA WD 3.0 mm or better, Ph1. 60x/63X- Plan Apochromat DIC objective N.A. 1.4 Oil or better DIC attachment for 60X objective with the required accessories</p> <p><b>Optional quote for:</b> Plan Fluorite 40X/0.75 NA Objectives. Plan Apochromat 100X <b>1.40 NA</b> or better objective.</p>

12	<p><b>Camera:</b> High Performance digital microscopy high end CMOS color camera with 5.5MP or more, 1/1.8 “Color Cmos Sensor, 30FPS at 1440X1024. USB3 Interface and C Mount 0.70X with software for capturing and storing images Basic Image Enhancements like Brightness, Contrast and Gamma corrections with all necessary adaptors.</p> <p>High Resolution Digital Monochrome Cooled CMOS Camera with effective 15 megapixels or more, preferably larger sensor and Pixel size 6.5 x 6.5.um or more with a Quantum Efficiency of 75% or More, High speed live display up to 45FPS @ 1636 x 1088, High speed data transfer with USB 3.0 interface and High Sensitivity with low noise. Full Well Capacity of 60000e (- typ), dark current of 0.6e-/p/s(Ta=25°C) (typ) with necessary mounts and adaptors.</p>	<p><b>Camera:</b> High Performance digital microscopy high end CMOS color camera with <b>5MP or more, 1/1.8 or 2/3</b></p> <p>“Color Cmos Sensor , 30FPS at 1440X1024. USB3 Interface and C Mount 0.70X with software for capturing and storing images Basic Image Enhancements like Brightness, Contrast and Gamma corrections with all necessary adaptors.</p> <p>High Resolution Digital Monochrome Cooled CMOS Camera with effective <b>12 megapixels or more</b>, preferably larger sensor and Pixel size <b>3.45 x 3.45.um</b> or more with a Quantum Efficiency of <b>72% or More</b>,</p> <p>High speed live display up to 45FPS @ 1636 x 1088, High speed data transfer with USB 3.0 interface and High Sensitivity with low noise. Full Well Capacity of 60000e (- typ), dark current of 0.6e-/p/s(Ta=25°C) (typ) with necessary mounts and adaptors.</p>
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All other terms and specification remain same.

Manager (S&P)  
NIAB-Hyderabad  
Date:- 23/03/2020