



Uttarakhand Livestock Development Board

Pashudhan Bhawan, Ist Floor, Mothrowala Road,

P.O. Mothrowala, Dehradun-248001,

Telefax : 0135-2532619

Email: ceouldb2019@gmail.com Website: www.uldb.org

GSTIN: 05AABFU8674M1ZK

Letter No. 2274/ ULDB/PROC./Vol.XVI ETT/2019-20

Dated: 8th November 2019

Clarification & Amendment

Bid Ref. No. 2150/ULDB/PROC./Vol.XVI ETT/2019-20

Dated: 23rd October 2019

Kindly look in to the following clarification/ amendment in Bid Reference No. 2150/ULDB/PROC./ Vol.XVI ETT/2019-20 Dated: 23rd October 2019:

S. No.	Reference	Clarification & Amendment
1	<p>Page No. 30 & 31: SCHEDULE: ELEVEN PART A</p> <p>TECHNICAL SPECIFICATION OF INVERTED MICROSCOPE FOR MICROMANIPULATION WITH DIGITAL CAMERA & IMAGE ANALYSIS SOFTWARE:</p>	<p>Objectives: Objectives 4/5x - Plan Flour grade (.12 NA), 10x-Plan Fluor with long working distance (.3 NA PH) , 20x -Plan Fluor with long working distance (.5 NA with NMC/IMC/ PlasDIC/ RC & Fluorescence) and 40x (0.6 NA NMC/IMC integrated modulation/ PlasDIC/ Relief contrast & Fluorescence) with long working distance). All objectives with high NA. Should include accessories for bright field, phase contrast and Hoffman/integrated modulation contrast techniques for all magnifications.</p> <p>Should be read as</p> <p>Objectives: Objectives 4/5x - Plan Flour grade (.12 NA), 10x-Plan Fluor with long working distance (.3 NA PH), 20x -Plan Fluor with long working distance (.4 NA with NMC/IMC/ PlasDIC/ RC & Fluorescence) and 40x (0.6 NA NMC/IMC integrated modulation/ PlasDIC/ Relief contrast & Fluorescence) with long working distance). All objectives with high NA. Should include accessories for bright field, phase contrast and Hoffman/integrated modulation contrast techniques for all magnifications as per objective lenses.</p> <p>Camera: Dedicated high speed digital cooled dual mode - CCD /CMOS Camera with 5.0 MP or more pixel resolution for high quality fluorescence imaging. High speed image acquisition of minimum 30 fps at full resolution or better.</p> <p>Should be read as Dedicated high speed digital Monochrome Camera (no heating) with pixel size not less than 6.5 x 6.5 micron and 1.2 or better Mega Pixel with high pixel resolution for high quality fluorescence imaging. High speed image acquisition of minimum 30 fps at full resolution or better.</p> <p>Others: Microscope, Camera and Control / Analysis software should be from same Manufacturer. Each component of the microscope should mentioned pat number in the quotation which should be in an accordance with the published document and website of the manufacturer. should have Warranty of 3 years</p> <p>Should be read as Microscope, Camera and Control / Analysis software should be from same Manufacturer. Each component of the microscope should mentioned pat number in the quotation which should be in an accordance with the published document and website of the manufacturer. Should have Warranty 2 Years manufacturer warranty and after that 2 years of CMC.</p> <p>Other Technical Specification remain same as described in bid reference no. 2150/ULDB/PROC./ Vol.XVI ETT/2019-20 Dated: 23rd October 2019.</p> <p>In addition to above - Add the following Glass heating stage (warranty minimum of 5 years) suitable for ICSE and Embryo Biopsy with Temperature Control should also be supplied.</p>

2	<p>Page No. 31: SCHEDULE: ELEVEN PART B</p> <p>TECHNICAL SPECIFICATION OF UPRIGHT MICROSCOPE WITH CAMERA AND DEDICATED KARYOTYPING SOFTWARE FOR LIVESTOCK KARYOTYPING</p>	<p>Cool CCD Camera with pixel size 0.65µm square or better with 1.2 Megapixel or better with software for annotations and fluorescence intensity analysis and automated cell counting.</p> <p>Should be read as</p> <p>Cool CCD/ CMOS Monochrome Camera with pixel size 6.5X 6.5µm or better with 1.2 Megapixel or better with software for annotations and fluorescence intensity analysis and automated cell counting.</p> <p>Other Technical Specification remain same as described in bid reference no. 2150/ULDB/PROC./ Vol.XVI ETT/2019-20 Dated: 23rd October 2019.</p>
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Other Terms & conditions will remain same as described in Bid Reference No. 2150/ULDB/PROC./ Vol.XVI ETT/2019-20 Dated: 23rd October 2019.

Chief Executive Officer
Uttarakhand Livestock Development Board