



INSTITUTE OF NANO SCIENCE AND TECHNOLOGY, MOHALI

(An autonomous Research Institute of Department of Science and Technology,
Government of India)

Habitat Centre, Sec-64, Phase X, Mohali – 160062, PUNJAB

Phone No: 0172 – 2210073/74/75, Fax No: 0172 – 2211074

Website: www.inst.ac.in

Ref No. INST/12(129)/2019-Pur

Date:21/11/2019

CORRIGENDUM

Reference to NIT no. INST/12(129)/2019-Pur for purchase of equipment: Stereo Microscope with Digital Imaging System. Below mentioned technical points may be read and corrected as per following:-

Present Tender Specifications	Modified Specifications
<p>Zoom Microscope Body: Microscope zoom body with zoom ratio of 7:1 with maximum magnification up to 56X or more with a combination of 1X objective & 10X eyepiece. Click stop for each zoom magnification.</p> <p>Observation Tube: Trinocular observation tube with F.No. 22mm or more inclined at 30 degree, interpupillary distance range 50 to 76 mm or more.</p> <p>Eyepiece: Wide field paired eyepiece 10X with F.No. 22mm or more, focusable.</p> <p>Transmitted Illumination: LED light guide illuminator.</p> <p>Objectives:</p> <ol style="list-style-type: none"> 1. Distortion free Plan 0.5X objective with N.A. 0.05 & W.D. 170mm or more. 2. Distortion free Plan 1X objective with N.A. 0.10 & W.D. 80mm or more. 3. Distortion free Plan 2X objective with N.A. 0.20 & W.D. 33mm or more. <p>Fluorescence: Precentered minimum 130W fibre illuminator with lamp life of 2,000 working hrs. or more. Reflected light fluorescence illuminator equipped with field stop, minimum four position turret with high quality band pass filters for GFP & YFP.</p> <p>Camera: USB based single chip high resolution dedicated color CCD camera with 5.24 megapixel or more resolution. 2/3" high density color CCD chip and minimum 15 frames per second at full resolution. Live display resolution of 2448</p>	<p>Zoom Microscope Body: Microscope zoom body with zoom ratio of 7:1 with maximum magnification up to 56X or more with a combination of 1X objective & 10X eyepiece. Click stop for each zoom magnification.</p> <p>Observation Tube: Trinocular observation tube with F.No. 22mm or more inclined at 30 degree, interpupillary distance range 50 to 76 mm or more.</p> <p>Eyepiece: Wide field paired eyepiece 10X with F.No. 22mm or more, focusable.</p> <p>Transmitted Illumination: LED light guide illuminator.</p> <p>Objectives:</p> <ol style="list-style-type: none"> 4. Distortion free Plan 0.5X objective with N.A. 0.05 & W.D. 170mm or more. 5. Distortion free Plan 1X objective with N.A. 0.10 & W.D. 80mm or more. 6. Distortion free Plan 2X objective with N.A. 0.20 & W.D. 33mm or more. <p>Fluorescence: Precentered LED illuminator with lamp life of 20,000 working hrs. or more. Reflected light fluorescence illuminator equipped with field stop, minimum four position turret with high quality band pass filters for GFP & YFP.</p> <p>Camera: USB based single chip high resolution dedicated color CCD camera with minimum 5.0 megapixel or more resolution. 2/3" high density color CCD chip and minimum 15 frames per second at full resolution. Live display resolution of 2448 x 1920 or better. C-mount 0.6X adapter or better.</p>



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<p>x 1920 or better. C-mount 0.6X adapter or better.</p> <p>Software: Should act as an interface between the camera and the computer system. It should have the following features:-</p> <ul style="list-style-type: none"> - Acquisition & device control - Filters for Image enhancement - Background & dark field correction - Time lapse acquisition - Manual object counting - Region & Line measurements - Auto calibrate for micrometer - Image annotation - Filters for image enhancement - Report & share - Multiple undo/redo options - Time Lapse imaging - Multi channel imaging with merging and ction of fluorescence channels - Pseudo color. - Gamma Correction - Dye list for most commonly usable dyes. - Live Histogram - Filters for image enhancements - Measurements for line, line profile, measurements on live images, auto calibrate, interactive measurements data tables, classify line and tag measurements. - Documentation and collaboration. - Region and line measurements - Multiple Image Stitching - Fully compatible for Bright field, Phase Contrast as well as immunofluorescence imaging and analysis - Overlay multiple images, document os for side by side image comparison. - Touch count/Object Count Facility to count objects, make several classes and name them and export to excel files or workbooks. - FI. Channel Merging and extraction - Time-lapse imaging at specified interval, - Multiple Image Stitching, - Geometry/combine/filter processing - Manual Z axis imaging - Manual Multiple image alignment, based ve image. <p>Computer: Branded Computer with i5 processor, 4 GB RAM, DVD writer, 500 GB HDD, 21" LED Monitor, Key board,</p>	<p>Software: Should act as an interface between the camera and the computer system. It should have the following features:-</p> <ul style="list-style-type: none"> - Acquisition & device control - Filters for Image enhancement - Background & dark field correction - Time lapse acquisition - Manual object counting - Region & Line measurements - Auto calibrate for micrometer - Image annotation - Filters for image enhancement - Report & share - Multiple undo/redo options - Time Lapse imaging - Multi channel imaging with merging and ction of fluorescence channels - Pseudo color. - Gamma Correction - Dye list for most commonly usable dyes. - Live Histogram - Filters for image enhancements - Measurements for line, line profile, measurements on live images, auto calibrate, interactive measurements data tables, classify line and tag measurements. - Documentation and collaboration. - Region and line measurements - Multiple Image Stitching - Fully compatible for Bright field, Phase Contrast as well as immunofluorescence imaging and analysis - Overlay multiple images, document os for side by side image comparison. - Touch count/Object Count Facility to count objects, make several classes and name them and export to excel files or workbooks. - FI. Channel Merging and extraction - Time-lapse imaging at specified interval, - Multiple Image Stitching, - Geometry/combine/filter processing - Manual Z axis imaging - Manual Multiple image alignment, based on live image. <p>Computer: Branded Computer with i5 processor, 4 GB RAM, DVD writer, 500 GB HDD, 21" LED Monitor, Key board, Mouse with original Windows 10 professional.</p>
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<p>Mouse with original Windows 10 professional. Note: Microscope, Camera and Software should be from same make manufacturer for better compatibility. Warranty minimum 3 years Proof of prior installation in Government Research Institutes</p>	<p>Note: Microscope, Camera and Software should be from same make manufacturer for better compatibility. Warranty minimum 3 years Proof of prior installation in Government Research Institutes</p>
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The last date for receipt of tender has been extended upto **10/12/2019 till 2:00PM** which will be opened on the same date at **3:00PM** at INST, Mohali. The other details of the tender shall remain unchanged.

Sd/-
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