



No. AIIMS/R/CS/Micro/18/07/OT

Corrigendum

**Tender ID.No.2018\_IMSRP\_324754\_2, Dated:21.08.2018.**

With reference to above Tender ID.No., the following amendment is issued:

S.N o.	Page no in the NIT	Existing Tender Specification	To be read as
1.	Page.No.19	<b>Microscope Body:</b> Simple water proof structure, Two-tier design Microscope body with Infinity corrected optical system, The same body should be upgradable to motorization and DIC in future, System should have minimum 3 ports, The system should have a light path selection of 0:100/50:50/100:0 (Left side port: BI port). Front operation for condenser focusing for perfect Koehler illumination and locking. Microscope should essentially be upgradable to motorization of nosepiece in future apart from motorized fluorescence turret, motorized condenser. The frame design should be as such to custom built a configuration in the optical path by even removing the fl. Turret unit	<b>Microscope Body:</b> Simple water proof structure, Two-tier design Microscope body with Infinity corrected optical system, The same body should be upgradable to motorization and DIC in future. System should have minimum 3 ports. The system should have a three way light path selection. Front operation for condenser focusing for perfect Koehler illumination and locking. Microscope should essentially be upgradable to motorization of nosepiece in future apart from motorized fluorescence turret, motorized condenser and <b>motorized stage</b> . The frame design should be as such to custom built a configuration in the optical path by even removing the fl. Turret unit
2.	Page no 19.	<b>Noisepiece:</b> Sextuple coded revolving nosepiece to accommodate six objectives at a time. The nosepiece should have sensor through which the software can read and recall the position, magnification and calibration values for each objective.	<b>Noisepiece:</b> Sextuple revolving nosepiece to accommodate six objectives at a time.
3.	Page.No.9.	<b>Focusing system:</b> Should have external coaxial coarse and fine focusing knob	<b>Focusing System:</b> No change in the existing specification.
4.	Page no 19.	<b>Illumination:</b> 12V 100 W Pre centered Halogen/LED with power supply. Should come with provision of light intensity control.	<b>Illumination:</b> No change in the existing specification.
5.	Page no 19.	<b>Eyepieces:</b> Wide field Binocular observation tube with anti-fungus type 10X F.O.V 22 or better and diopter adjustment facility on both eyes.	<b>Eyepieces:</b> No change in the existing specification.
6.	Page.No.19.	<b>Stage:</b> Rectangular mechanical stage with stage size of Minimum 232x240mm and cross travel range of 75x52mm with Stage inserts for 35mm culture dishes, Multi-well plate, Flasks and Slides holders. XY stage should have stopper function for time lapse or operations on stage.	<b>Stage:</b> Rectangular mechanical stage with stage size of Minimum 232x240 mm or better and cross travel range of 75x52mm or better with Stage inserts for 35mm culture dishes, Multi-well plate, Flasks and Slides holders. XY stage should have stopper function for time lapse or operations on stage.
7.	Page no 19.	<b>Condenser:</b> Long working distance universal condenser NA 0.55, W.D.27mm, positions available for optical devices such as Phase and DIC. Phase rings for 10X, 20X, 40X & DIC prism for 100X with required	<b>Condenser:</b> Long working distance universal condenser NA <b>0.50 or better</b> , W.D. 27mm, positions available for optical devices such as Phase and DIC. Phase rings for 20X, DIC prism for 100X with required analyzer, DIC slider etc.

		analyzer, DIC slider etc.	
8.	Page.No.19.	<b>Objectives: Anti fungal coated.</b> High performance Objectives suitable for Bright field /Phase Contrast/DIC & Fluorescence imaging. Plan APOCHROMATE objective 4X/0.1, WD 18.5, objective 10X/0.25, W.D. 8.8mm, Objective 20X, NA - 0.45, WD - 7.8, Objective 40X, NA, -0.6, WD - 4.2, Plan Fluorite Objective 100X, NA-1.3, WD-0.2mm or better.	<b>Objective:</b> Anti fungal coated. High performance Objectives suitable for Brightfield / Phase Contrast / DIC & Fluorescence imaging. Plan APOCHROMATE objective 4X/0.16, WD 13, Plan Apochromate Objective 10X/0.4, W.D. 3.1mm, Long working Fluorite Phase Objective 20X, NA - 0.45, WD – 0.6, Plan apochromate Objective 40X, NA, 0.9, WD – 0.18 or better, Plan apochromate Objective 100X, NA-1.4 or better, WD-0.13mm or better.
9.	Page no.19.	<b>Epifluorescence:</b> Coded Epifluorescence turret with built in shutter should accommodate 6-10 filter cubes. 100 watt Mercury arc lamp with Power supply should be quoted. High Quality Band pass filters for DAPI, FITC/EGFP,TRITC. Narrow band Filter Blue excitation , with exciter filter BP470-495, dichroic beam splitter DM505 and barrier filter BA 510-550. UV excitation filter BP 330-385,dichroic beam splitter DM 400, barrier filter BA 420. Interference Green excitation, with exciter filter BP530-550, dichroic beam splitter DM570 and barrier filter BA575.	<b>Epifluorescence:</b> Epi fluorescence turret with built in shutter should accomdate 6-8 filter cubes. 100 watt Mercury arc lamp with one additional mercury lamp and Power supply. High Quality narrow band pass filters for DAPI, FITC/EGFP, TRITC.
10.	Page no.19.	<b>C MountAdapter:</b> 0.63 X C Mount adapter.	<b>CMountAdapter:</b> Compatible C Mount Adapter.
11.	Page.No.20.	<b>DIGITAL CAMERA:</b> 1. A 2/3 inch pettier cooled (Ta -10 °C) 12.5 MP or better colour scientific CCD camera with minimum of 15 FPS for high resolution colorimaging. 2.A 2/3 inch 1360x1024 1.4 MP, 6.45 um pixel cooled (Ta -10 °C), 14bit monochrome camera cooled (Ta -10 °C) for high sensitive fluorescence live cell imaging. The monochrome camera should be sensitive to collect both visible and NIR signals such as auto- fluorescence and fluorescence signals. 3.Switching between the cameras should automatically be done through the software using prisms for 100 % light distribution to one of the camera at a time. The super imposition of the two images i.e., fluorescence/auto fluorescence and H&E images should be done automatically in real-time for comparison of the auto-fluorescence markers with the H&E stains. Camera and all the motorized part of microscope and imaging software should be communicating for seamless multidimensional applications.	<b>DIGITAL CAMERA:</b> Bidder to quote separate color and monochrome camera. i) A 2/3 inch peltier cooled (Ta -10 °C) <b>12.5 MP or better colour scientific CCD/CMOS camera</b> with minimum of 15-30 FPS for high resolution BF/DF/PH/DIC. ii) A 2/3 inch scientific grade monochrome cooled camera with a resolution of 1.4 MP or higher with pixel size of 6.45 um X 6.45 μ for high sensitive fluorescence live cell imaging. The monochrome camera should be sensitive to collect both visible and NIR signals such as auto- fluorescence and fluorescence signals. The system software and computer should control both modes of monochrome and color camera / cameras without any application limitation and full usage of camera(s) specifications.
12.	Page.No.20.	<b>IMAGE ANALYSIS SOFTWARE:</b> Should act as an interface between the digital camera and the computer system. It should have the following features-  Software for image capturing , Motorized Control of Fluorescence turret & Z Motorized Focus, user experience customization, overlay multiple images, document groups for side by side image comparison, movie playback, Tile image,	<b>IMAGE ANALYSIS SOFTWARE:</b> Should act as an interface between the digital camera and the computer system. It should have the following features  Software for image capturing , user experience customization, overlay multiple images, document groups for side by side image comparison, movie playback, Tile image, slice view for orthogonal plane viewing of 3D or time lapse data sets, snap / movie acquisition, Online Deblur / deconvolution should be present, Colocalization, fluorescence unmixing, offline ratio analysis and High

		slice view for orthogonal plane viewing of 3D or time lapse data sets, snap /movie acquisition, Online Deblur / deconvolution should be present, Colocalization, fluorescence unmixing, offline ratio analysis and High dynamic range Imaging, time lapse at specific intervals, Z stack, Multiple image alignment, Instantly create Extended focal images (EFI), Live deblurring, Image processing, Image analysis, Count and Measure Basic , automatically compose word report, 2D Deconvolution etc.	dynamic range Imaging, time lapse at specific intervals, Z stack, Multiple image alignment, Instantly create Extended focal images (EFI), Live deblurring, Image processing, Image analysis, Count and Measure Basic , automatically compose word report, 2D Deconvolution etc.
13.	Page.No.20.	<b>Computer:</b> Core i5; RAM 8 GB minimum; HDD 500 GB; Drive DVD-ROM drive; TFT LED Screen 22 inch or Monitor; Keyboard, Mouse; OS - Windows7 or higher (64bit) or better, Firewire Port forIEEE1934a.	<b>Computer:</b> No change in the existing specification.
14.	Page.No.21.	<p>The company should have supplied instruments of similar capability to at least two institutes of National repute.</p> <p>-The supplier should have Technical &amp; Application support available in India directly from the Principal Company.</p> <p>Warranty 5 years. AMC for next 3 years</p> <p>-Microscope Camera &amp; Software should be from Same Manufacturer.</p> <p><b>Compliance of the technical specification will be determined by the technical committee from a brief 10 minute power point presentation by the manufacturer/ representatives justifying the compliance to each of the above mentioned specifications with documentary proof.</b></p>	No change in the existing specification.

All other terms and condition will remain unchanged.

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