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Tender ID :	2026_AIMSM_893285_1
Tender Ref No :	AIIMSMG/Proc/25-26/GTE/ Fluorescent Microscope
Tender Title :	Supply of Fluorescent Microscope with FISH Software for the dept. of Pathology
Corrigendum Type :	Date

Corrigendum:1

Corrigendum Title	Corrigendum Description	Published Date	Document Name	Doc Size(in KB)
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Critical Dates

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Bid Submission Start Date	09-Jan-2026 06:00 PM	**Bid Submission End Date**	19-Feb-2026 06:00 PM
Pre Bid Meeting Date	21-Jan-2026 03:00 PM		

Details Before Corrigendum

Critical Dates

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Pre Bid Meeting Date	21-Jan-2026 03:00 PM		

Corrigendum cum date extension Notice

for

Supply of Fluorescent Microscope with FISH Software for the dept. of Pathology

It is hereby notified for information of all concerned that published tender - bid against the tender ID No. **2026_AIMSM_893285_1** and tender Notice No. **AIIMSMG/Proc/25-26/GTE/Fluorescent Microscope** dated 09-01-2026 for the tender of "**Supply of Fluorescent Microscope with FISH Software for the dept. of Pathology".**

The following changes are made in the terms and conditions of the tender document based upon queries raised by the bidder at the time of pre bid meeting scheduled as per the tender.

It is to inform that tender has been extended for a period of 10 days from the date of issue of this corrigendum.

S. No	Reference & Page No	Clause	Remarks
1	Page No 44, Point No 1.	**Upright Fluorescence Microscope** with fully apochromatically corrected optical System, High Luminescence LED and Diffuser with intensity control switch and Image Capture Button built in the base of the Microscope for capturing images. Coaxial Coarse/ Fine focusing with torque-adjustable coarse and refocusing function.	***To be read as:*** Upright Fluorescence Microscope with fully apochromatically corrected optical System, High Luminescence LED and Diffuser with intensity Manager. Coaxial Coarse/ Fine focusing with torque-adjustable coarse and refocusing function
2	Page No 44, Point No 4	**Mechanical stage:** Right hand mechanical stage with dual slide holder with rectangular hard coated anodized surface mechanical stage with stage of holding minimum of two slides and X and Y movement of specimen with right drive 135mm.	***To be read as****:* software controlled Motorized scanning stage to accommodate multiple slides (preferably more than six at a time)
3	Page No 44, Point No 5	**Epi-Florescence attachment**: Mortised Reflected Florescence attachment based on mortised turret system with capacity to hold minimum 8 or more filter tubes. Should have 8 or more position reflector turrets with push and click mount for mounting different filter cubes. Should have mortised focus and autofocus with step size 10-15 nm. **Motorised Filter Turret** with analyser slot and eight to ten filter holders with Filters for DAPI, FITC, TRITC, AQUA, Texa red, Cy5. Dual Band filter for Spectrum Green and Orange, Triple band filter pass DAPI/FITC/TRITC.	***To be read as:*** Epi-Florescence attachment: Motorised Reflected Florescence attachment based on mortised turret system with capacity to hold minimum 9 or more filter tubes. Should have 9 or more position reflector turrets with push and click mount for mounting different filter cubes. Should have mortised focus and autofocus with step size 10 nm. Motorised Filter Turret with nine or more positions with Filters for DAPI, FITC, TRITC, AQUA, Texas red, Cy5. Dual Band filter for Spectrum Green and Orange, Triple band filter pass DAPI/FITC/TRITC.
4	Page No 44, Point No 6	Fluorescence attachment with LED Illumination with LEDs for 335nm, 475nm, 550nm, and 621nm with a long lifetime of 20,000hrs. Natural cooling system and built-in Noise Terminator mechanism for removing the Residual stray light from the optical path for a high signal-to-noise ratio.	***To be read as:*** Fluorescence illumination with LED USB interface LED with high luminous flux of 800 lumens, vibration free, no change of LED for up to 30,000 hours. amp orientation adjustment not required, lamp heat up or cool down not required. This should be suitable for Immuno Fluorescence

			imaging of samples like renal samples etc.
5	Page No 45, Point No 8	Trinocular observation tube 3way with 100/0, 20: 80 / 30:70, 0/100 light distribution.	***To be read as:*** Trinocular observation tube 2 way 100:0/0:100 or 3 way with 100/0, 20: 80 / 30:70, 0/100 light distribution.
6	Page No 45, Point No 9	**Paired 10x Eye pieces** with 25mm field of view and Diopter adjustment on both the eyepieces. Interpupillary distance-55-75mm. LED pointer should be provided	***To be read as:*** Paired 10x Eye pieces with 22 mm field of view or better and Diopter adjustment on both the eyepieces. Inter-pupillary distance-55-75mm.
7	Page No 45, Point No 10	**Plan-apochromatic objective**: 4x/0.10, WD 30mm, Plan Fluor 10x/0.30 WD 16mm, Plan Fluor 20X/0.50, W.D. 2.1mm, Plan Fluor 40x/ 0.75, WD 0.66, 60x /NA 1.25 Oil immersion, Plan Apochromat Lambda D 100Xoil N.A. 1.45, W.D. 0.13 mm.	***To be read as:*** 4x/0.10 or 5x/0.16 , 10x/0.30, 20x/0.8, 40x/ 0.75, 60x /NA 1.25 Oil immersion or 63x/1.25, 100x/1.4 Oil or above
8	Page No 45, Point No 12	Sextuple DIC Nosepiece. (Six Objective Carrier)	***To be read as:*** Sextuple nose-piece (6 or more position or better motorized nose piece)
9	Page No 45, Point No 13	**Two independent colour and monochrome cooled CCD cameras (same make) more than one MP with high sensitivity and low noise.** 2/3: CCD, 1x, C-mount optical format with Cooling 1360 X 1024, Pixel Size of 6.45µm X 6.45µm, Digitization depth 12-bit, Frame rate of 15 frames per second (fps) in full resolution. USB 3.0 IR Cut off.	***To be read as:*** Camera: Ultra High-resolution CMOS camera with 4096 x 2500, 12 Megapixel, 12 Bit, minimum 1" monochrome camera with minimum pixel size 3.45 µm x 3.45 µm and exposure time between 80 µs and 270 s with global shutter should be offered.
10	Page No 45,&46 Point No 14	Software for FISH: a) Continuous or single-push auto exposure, various automatic exposure options b) User defined target values (% of overexposed pixels, target maximal intensity) c) Live image speed acceleration d) Reducing image to a region of interest (area probe) e) Extended depth of focus (EDF) acquisition for thick samples such as tissue sections f) Up to 12 fluorescence channels, counterstain definition g) Variety of computer-controlled devices such as motorized microscopes filter wheels, shutters, Z drives h) Variable color schemes (Default Windows, Dark, Black) i) Display planes as tiles j) Image components associated with a probe, a probe name and display colour k) Names and colours of the components can be defined by user l) Any combination of components or a single component alone can be displayed m) Display channels as color, grayscale, or inverted grayscale image. n) Easy per component image enhancement, contrast, contrast in region,	***To be read as:*** Software for FISH: 1.Automated FISH spot counter with high speed nuclei scanner system with high numerical aperture with scanning time less than 2 minutes for imaging, and representation of minimum 200 nuclei. 2.Software should be MD 15 Certified as per CDSCO guidelines. C) Dedicated scoring device for swifter signal interpretation of individual inter-phase /nuclei. 3.Software should allow multiple investigators (at least 2 investigators) to score FISH signal independently and display the results with histogram apart from system's scoring respectively. 4.Continuous or single-push auto exposure, various automatic exposure options 5.User defined target values (% of overexposed pixels, target maximal intensity) 6.Live image speed acceleration 7.Reducing image to a region of interest (area probe) 8.Extended depth of focus (EDF) acquisition for thick samples such as tissue sections 9.Automatic acquisition of FISH signals in up to 12 channels from different focal plane and reproduction of extended focus images to read clear signals against background. Identification and counting of spots with their position.

		signal purification, deleting of unwanted object with a simple eraser, signal unmixing, color shift corrections. o) Simple annotation the image using the built in or custom predefined phrases, text, numbers, or arrows p) FISH analysis, thresholding of signals q) Complete undo history stored with the document r) Interactive and automatic integration time control with automatic and interactive background correction and thresholding for each colour channel. s) Mask (exclude/ include) function, Transient and permanent zoom, presentation of individual colour, false colour, and gray levels. t) Annotation capability and Measurement functions. Provision to capture colour image using RGB filters for stained samples/ Slide like H&E, Special Stains, IHC etc. Database: The database and report tool should be an integral part of the software, common for all modules. a) Flexible user-defined SQL database of patients and clinical data with quick search, filtering, statistics, and reports b) Database is integrated with software and is common for all modules c) Possibility of the database and report localization to any language d) Advanced access rights management, data protection e) Dynamic reporting tool, user-defined report templates, multiple reports f) Backup module, automatic backup of database data, checking of backup validity, error reporting	10.Variety of computer-controlled devices such as motorized microscopes filter wheels, shutters, Z drives 11.Variable color schemes (Default Windows, Dark, Black) 12.i) Display planes as tiles j) Image components associated with a probe, a probe name and display colour k) Names and colours of the components can be defined by user (should be upgraded to Comet assay, Telomere Assay, mutliple FISH etc.) l) Any combination of components or a single component alone can be displayed m) Display channels as color, grayscale, or inverted grayscale image. n) Easy per component image enhancement, contrast, contrast in region, signal purification, deleting of unwanted object with a simple eraser, signal unmixing, color shift corrections. o) Simple annotation the image using the built in or custom predefined phrases, text, numbers, or arrows p) FISH analysis, thresholding of signals q) Complete undo history stored with the document r) Interactive and automatic integration time control with automatic and interactive background correction and thresholding for each colour channel. s) Mask (exclude/ include) function, Transient and permanent zoom, presentation of individual colour, false colour, and gray levels. t) Annotation capability and Measurement functions. Provision to capture colour image using RGB filters for stained samples/ Slide like H&E, Special Stains, IHC etc. **Database:** The database and report tool should be an integral part of the software, common for all modules. a) Flexible user-defined SQL database of patients and clinical data with quick search, filtering, statistics, and reports b) Database is integrated with software and is common for all modules c) Possibility of the database and report localization to any language d) Advanced access rights management, data protection e) Dynamic reporting tool, user-defined report templates, multiple reports f) Backup module, automatic backup of database data, checking of backup validity, error reporting g) Provision to capture color images using RGB filters for stained samples/slides like H&E, Special Stains, IHC etc.
11	Page No 46 Point No 15	**<u>Karyotyping Software</u>** • Software should be AI enabled to classify and assign chromosomes automatically. • Interactive/ automated Karyotyping of Human spaces. • Unlimited un-do and log operations to overcome human errors with time and date recording for each processing step. • Interactive and automated Real time background correction and chromosome separation. Keyboard	***To be read as:*** Should be upgrade-able for AI Based or DNN based karyotyping which includes batch processing mode, AI Based Automated metaphase finder should be up-gradable to 80 slides or more with auto-loaders.

		shortcuts keys for several functions like chromosome separation (In case of overlapping chromosome), image enhancement, Background correction, contrast enhancement etc. Interactive and automatic classification on built in classifier for G-banding, Q-banding, and R-banding. • Ideograms according to ISCN standard for 400, 550, and 850 bands. • Additional capture to encompass all chromosomes of widely spread metaphases in one karyotype. Upto 26 images can be incorporated into single image to have one complete karyogram in case of polyploid	
12	Page No 46 Point No 16	**Image Analysis research software** 4D Capability X, Y Lamba wavelength, time lapse imaging, live image capture series multichannel image capturing, AVI live stream capture, objective calibration, LUT, capturing data savings (Meta data), histogram, automatic measurement, intensity line profile, surface plot, report generation, image overlay. File compatibility-TIFF, JPEG, PNG, Export formats-CSV, EXCEL, PDF.	***To be read as:*** Deletion
13	Page No 46 Point No 17	**Computer with latest antivirus**, i 7 10700 4.8 GHz processor, 32GB RAM, 2TB Hard disk, integrated 10GB graphic card NVIDIA RTX 3080 SUPER, mouse, keyboard, 32-inch 4K UHD LED 3840X2160 Resolution monitor, USB2/3 port for camera, window 10 pro OS, 64 BIT system, Online UPS for 30 minutes backup and UPS 600VA, high resolution colour printer	***To be read as:*** Computer with **latest antivirus, i-7 latest generation, 32GB RAM, 256 GB SSD ,2TB Hard disk, integrated 10GB graphic card** NVIDIA RTX 3080 SUPER, mouse, keyboard, 32-inch-high Resolution monitor, USB2/3 port for camera, window 11 pro OS, 64 BIT system, Online UPS for 30 minutes backup and UPS 600VA, high resolution colour printer
14	Page No 46 Point No 18	Microscope, Digital camera, and image analysis software are to be supplied from the same manufacturer only for better synchronization and support.	***To be read as:*** Microscope, camera, and image analysis software are to be supplied from the manufacturers having **better** synchronization and support.
15	Page No 46 & 47 Point No 20	Essential Accessories: 1. Hybridization chamber: • Capable to perform auto-denaturation and hybridization steps for FISH procedure. • Capacity to process minimum 12 slides at one go. • Capable to store at least 30 programs with multiple programming options. • Temperature should be adjustable from ambient to 100 o C with accuracy of + 1o C for 0- 99 hours. • Heating time form 370C to 95oC should be achievable in 2-3 minutes. Colling time: 950C to 45oC should be achievable within 4-5 minutes. • Display of temperature and time • Operating humidity from 30% to 80%. Should operate at 240V AC50-60Hz.	***To be read as:*** Essential Accessories: 1. Hybridization chamber: • Slide Hybridizer for denaturation and Hybridization steps in slides-based procedures of fluorescent in situ hybridization (FISH) • It should be easily operated with touch Screen • It should have the following operation mode: (A) Denaturation and Hybridization; (B) Hybridization; (C) Custom Program • water tanks to assure optimal humidification of hybridization chamber. No requirement of purchasing humidity cards • Relative Humidity- less than or equal to 70%.

		2. 45 mm blue filter. 3. Polariser and analyser should be provided 4. Stage micrometre and eye piece micrometre should be provided 5. Vinyl dust cover. 6. Allen Hexagonal key. 7. Immersion oil-2 vials 3 KV Online UPS (Branded) with 30 min-1 hour backup) should be provided	• Slide based temperature calibration to be available • Uniform temperature distribution in the hybridization chamber • At least 30 user defined protocol • Should be able to accommodate at least 12 slides per run • Should be useable as a fixed temperature slide warmer as well • Temperature control range: Room temperature +5-degree C to 99.9 degree C • Timing range: 1min-99h59min • Temperature Uniformity: less than +/-1degree C. • Heating from 37°C to 95°C in two minutes, cooling from 95°C to 37°C in 5 minutes • Time, Temperature display on a LCD/TFT screen • auto resume power failure function ensures that your experiment can continue without manual intervention if there is an unexpected power outage. • Operating at 50-60 Hz and 220-240 volts • CE European complaint or IVD complaint or BIS certified 2. 45 mm blue filter. 3. Polariser and analyser should be provided 4. Stage micrometre and eye piece micrometre should be provided 5. Vinyl dust cover. 6. Allen Hexagonal key. 7. Immersion oil-2 vials 8. 3 KV Online UPS (Branded) with 30 min-1 hour backup) should be provided

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