

19-03-2022

Amendment no. 2

Sub: Technical Specification Amendment for the tender of Mother & Child Block -AIIMS , New Delhi-110029.

Ref.: GeM Bid No GEM/2022/B/1942212 Dated: 10-02-2022 for item 'Fluorescent Microscope with Work Station and Cytogenetics / Fish image analyzing software (Qty: 01 no)'

The following changes are being incorporated in the above referred GeM Bid Number only.

Existing:

Bid Details	
Bid End Date/Time	23.03.2022,15.00 hrs
Bid Opening Date/Time	23.03.2022,15.30 hrs

Read as:

Bid Details	
Bid End Date/Time	29.03.2022,15.00 hrs
Bid Opening Date/Time	29.03.2022,15.30 hrs

Sr. No.	Buyer Specification Document Page & Para	EXISTING SPECIFICATION	READ AS
1	Pg 1 Para 2	Observation Tube: Trinocular Observation tube with inclination angle of 15- 30 degree; field of view minimum 25mm or more. Three way light distributions of approximately 100:0/20:80 or 50:50/0:100.	Observation Tube: Trinocular Observation tube with inclination angle of 15- 30 degree; field of view minimum 22mm or more. Three way light distributions of approximately 100:0/20:80 or 50:50/0:100.
2	Pg 1 Para 5	Eyepieces: Paired Wide field Eyepieces of 10X with minimum field of view about 25mm or better, focusable & adjustable diopter setting should be provided.	Paired Wide field Eyepieces of 10X with minimum field of view 22mm or more , focusable & adjustable diopter setting should be provided.
3	Pg 1 Para 7	Objectives:Plan Apochromat 4X/5X with N.A. 0.16 or higher, Plan Apochromat 10X with N.A. 0.40 or higher, Plan Apochromat 20X with N.A. 0.75 or higher, Plan Apochromat 40X with N.A. 0.95, Plan Apochromat 60X/63 X Oil with N.A. 1.40 or higher and Plan Apochromat 100X Oil with N.A. 1.40 or higher. Objectives with higher N.A. will be preferred. DIC accessories for 20X & 40X objectives should be a standard part of the quote.	Objectives:Plan Apochromat 4X/5X with N.A. 0.16 or higher, Plan Apochromat 10X with N.A. 0.40 or higher, Plan Semi Apochromat 20X (Phase) with N.A. 0.50 or higher, Plan Apochromat 40X with N.A. 0.95, Plan Apochromat 60X/63 X Oil with N.A. 1.40 or higher and Plan Apochromat 100X Oil with N.A. 1.40 or higher. Objectives with higher N.A. will be preferred. DIC accessories for 40X and phase accessories for 20X objectives should be a standard part of the quote.
4	Pg 1 Para 9	Fluorescence Attachment:Eight or more position motorized fluorescence turret with Motorized Reflected Shutter. 100 Watt-120 Watt or better pre-centered fiber coupled, 2000 Hr or better life time mercury/metal halide lamp. The light source should be connected to the microscope with a fiber to avoid direct heat transfer to the specimens.The Fluorescence unit should be fully automated with intensity and shutter control through cytogenetic software.	Fluorescence Attachment:Eight or more position motorized fluorescence turret with Motorized Reflected Shutter. 120 Watt or better pre-centered fiber coupled, 2000 Hr or better life time mercury/metal halide lamp. The light source should be connected to the microscope with a fiber to avoid direct heat transfer to the specimens.The Fluorescence unit should be fully automated with intensity and shutter control through cytogenetic software.
5	Pg 1 Para 11	Monochrome Camera: Minimum resolution 1.4 Megapixels- 5.0 Megapixel, 12 bit or higher, compatibleC-mount adapter	Minimum resolution 5.0 Megapixels or higher or better resolution camera , compatible C-mount adapter
6	Pg 2	FISH Spot Scanning Analysis- Automated	FISH Spot Scanning Analysis- Automated Multi-

	Para 13	<p>Multi-layer Imaging</p> <p>FISH Spot Scanning system should support for automated filter turret, Z-stacking, Up to 12 fluorochrome channels per image, Handles interphase with two, three or more probes, Extended focus image generation from focus image series, Spot counting facility and advanced algorithms for classification of cells based on signal with static data. Exporting 3D scanned data for external 3D analysis and visualization. Full toolset for validation of slide statistics and results. Accurate signal count even on signal clusters. Capability to analyse additional fields even after scan is finished. Automatic Image exposure and enhancement, together with the auto-conversion of image sequences at various focal planes (3D Z-Stacking). Automatic background, contrast, brightness, focus and sharpness adjustments, to enable optimal display of the faintest signals in a few seconds. Integrated quantitative signal intensity and objective analysis module. Cell or object segmentation, followed by morphology and intensity analysis to extract the exact data required. The system should support all FISH probes of different manufacturers for all types of samples (Pathology, Cytology, Haematology)</p>	<p>layer Imaging</p> <p>FISH Spot Scanning system should support for automated filter turret, Z-stacking, Up to 12 fluorochrome channels per image, Handles interphase with two, three or more probes, Extended focus image generation from focus image series, Spot counting facility and advanced algorithms for classification of cells based on signal with static data.</p> <p>Added Para: Spot counting should be there with faster scanning so that signal should not bleach. Keyboard should be provided for counting spots.</p> <p>Exporting 3D scanned data for external 3D analysis and visualization. Full toolset for validation of slide statistics and results. Accurate signal count even on signal clusters. Capability to analyse additional fields even after scan is finished. Automatic Image exposure and enhancement, together with the auto-conversion of image sequences at various focal planes (3D Z- Stacking). Automatic background, contrast, brightness, focus and sharpness adjustments, to enable optimal display of the faintest signals in a few seconds. Integrated quantitative signal intensity and objective analysis module. Cell or object segmentation, followed by morphology and intensity analysis to extract the exact data required. The system should support all FISH probes of different manufacturers for all types of samples (Pathology, Cytology, Haematology)</p> <p>Added Para: System should be able to provide data of signal combination/patterns, quantitative data of cell area, signal intensity & SNR.</p>
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7	Pg 2 Para 14	<p>METAPHASE FINDER</p> <ul style="list-style-type: none"> · Fully automated, walk-away operation for 8-9 slides and efficiency. · Automatically find metaphase cells on a slide, capture high-resolution images of the most suitable cells for analysis and provide a complete analysis & review toolkit · Automatic pre- scan and relocation. · Saving to database coordinates and thumbnails of scanned metaphases · Scan to the edge of slide. · Ability to scan slide by cell density or pre-defined area edge to edge. · Full toolset for validation of slide statistics and results, including full slide rescan and reanalysis. · Fast relocation to any metaphase in the gallery for review. · Automatic adjustment to any type of coverslips. 	<p>METAPHASE FINDER</p> <ul style="list-style-type: none"> · Fully automated, walk-away operation for 8-9 slides and efficiency. · Automatically find metaphase cells on a slide, capture high-resolution images of the most suitable cells for analysis and provide a complete analysis & review toolkit · Automatic pre- scan and relocation. · Saving to database coordinates and thumbnails of scanned metaphases · Scan to the edge of slide. · Ability to scan slide by cell density or pre-defined area edge to edge. · Full toolset for validation of slide statistics and results, including full slide rescan and reanalysis. · Fast relocation to any metaphase in the gallery for review. · Automatic adjustment to any type of coverslips. <p>Added Para: AI (Artificial Intelligence) based Karyotyping Software should be provided.</p>
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All other contents of the Bid Document including terms & conditions remain unaltered.

Note:

Prospective Bidders are also advised to check the GeM Portal regularly prior to the closing date and time of online submission of bid.