

Technical Specification clarifications in pre-bid meeting for the purchase of CLSM

Item	Existing Technical Specification	Clarifications in Technical Specifications
<p>A. Optics and Motorization</p>	<p>1. The system must be fully motorized and inverted based microscope.</p> <p>3. Objectives: 5x/0.05 and 10x/0.32 and 20X (NA 0.75 or higher)</p>	<p>1. The CLSM system must be fully motorized including motorized stage with samples and inverted based microscope and including applications of bright field, white field fluorescence and phase contrast.</p> <p>3. Objectives: 4/5x/0.05, 10x/0.32, 40X/0.95, 60x/1.4 Optional: 100x/1.4, 20x/0.75 or higher</p> <p>Three filters: DAPI, FITC/GFP, TRITC/CY3</p>
<p>C. Confocal Scanning System</p>	<p>2. A state-of-the-Art high speed Galvo scanner should be available for laser scanning purpose. The minimum speed should be 10fps at 512x512 pixels. Minimum resolution should be 16x16 pixels. Maximum speed of 200fps @ 512 x 16.</p>	<p>A state-of-the-Art high speed Galvo scanner should be available for laser scanning purpose. The minimum speed should be 10fps at 512x512 pixels without line skip. Minimum resolution should be 16x16 pixels. Maximum speed of 200fps @ 512 x 16.</p>
<p>D. Detection Systems</p>	<p>1. At least 2 high Sensitive GaAsPs/HyD detectors for Super Resolution and point scanning confocal Applications with QE/PDE at least 55% or higher.</p>	<p>At least 2 high Sensitive GaAsPs/HyD detectors for Super Resolution and point scanning confocal Applications with QE/PDE at least 45% / 55% or higher.</p> <p>Optional: should be upgradable to additional two detectors</p>

E. Excitation system	1. At least 488nm, 561nm and 638/640nm lasers should be offered for confocal and Super Resolution imaging. All listed laser should be AOTF control.	1. At least 405nm, 488nm, 561nm and 638/640nm lasers should be offered for confocal and Super Resolution imaging. All listed laser should be AOTF control
F. Online Super Resolution Imaging	The system must be equipped with integrated online and instant Super resolution imaging modality with resolution 120 nm in XY and 200-2700nm resolution in Z axis.	The system must be equipped with integrated with high sensitivity detector online and instant Super resolution imaging modality with resolution 120 nm in XY and 200-2700nm resolution in Z axis.
I. Accessories	1. A Suitable Imported antivibration table from the factory should be provided along with the system. Online UPS back up	A Suitable Imported antivibration table should be provided along with the system. Online UPS back up 5 KVA with 1 hour back up

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Director (NRM)

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Chairman of the Technical Committee

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