

**DR. RAJENDRA PRASAD CENTRE FOR OPHTHALMIC SCIENCES**  
**AIIMS, ANSARI NAGAR, NEW DELHI - 110 029**  
**(STORE SECTION)**

**Sub.: Corrigendum regarding tendered specifications of “Fluorescent Microscope/ Portable Fluorescent Microscope” at Dr. R.P. Centre.**

**Ref. Tender No. 01/CPPP-OT/RPC/SSK/2025-26 (CPP Portal ID : 2025\_AIMSD\_857136\_1)**

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Please refer the subject cited above.

It is hereby requested to all prospective bidders that kindly read the amendment in tendered specifications given as under:-

S. No	Tendered Specifications
1	<b>MICROSCOPE BODY</b> : Upright Microscope should have the necessary components / Accessories required for Bright field, Epi-fluorescence and Polarizing. Should be upgradable to Karyotyping and FISH analysis. <b>REMAIN SAME</b>
2	<b>EYEPIECE TUBE</b> : Siedentopf design Trinocular eyepiece tube with FOV 22mm or more with three way light distribution for simultaneous observation on eyepiece and monitor/ screen. <b>REMAIN SAME</b>
3	<b>EYEPIECE LENS</b> : 10x (2 pcs) with Field of view 22 mm or more, Eyepiece with diopter adjustment and Anti-fungus coated. <b>REMAIN SAME</b>
4	<b>ILLUMINATION</b> : Full Kohler illumination with long life LED illumination system (LED power should be 14Watt or more) with a life of 50,000 hrs or more. Should have high color re productivity LED (equivalent to 100Watt halogen) for uniform illumination. <b>REMAIN SAME</b>
5	<b>NOSEPIECE</b> : Interchangeable reversed type Septuple Nosepiece (7 or more positions) with analyser/polarizing attachment. <b>REMAIN SAME</b>
6	<b>CONDENSER</b> : Should have Swing out condenser (for 2x-100x) to perform Bright Field and Polarizing application. <b>REMAIN SAME</b>
7	<b>OBJECTIVES</b> : High performance objective lens for bright field, epi-fluorescence and polarizing observation with following specifications. <ul style="list-style-type: none"> <li>➤ Plan Achromat <del>2x</del> N.A 0.06/ WD 5.5mm or more <b>may be read as</b> “Plan Achromat <b>2X/ 2.5X</b> N.A 0.06/ WD 5.5mm or more”</li> <li>➤ Plan Achromat <del>4x</del> N.A 0.10 / WD 18mm or more <b>may be read as</b> “Plan Achromat <b>4X/ 5X</b> N.A 0.10 / WD 18mm or more”</li> <li>➤ Semi Apo/ Plan Fluor 10x N.A 0.3 / WD 10mm or more - <b>REMAIN SAME</b></li> <li>➤ Semi Apo/ Plan Fluor 20x N.A 0.5 / WD 2.0mm or more - <b>REMAIN SAME</b></li> <li>➤ Semi Apo/ Plan Fluor 40X N.A 0.75 / WD 0.5mm or more - <b>REMAIN SAME</b></li> <li>➤ Semi Apo/ Plan Fluor <del>60X</del> N.A 0.9 / WD 0.2mm or more <b>may be read as</b> “Semi Apo/ Plan Fluor <b>60X/ 63X</b> N.A 0.9 / WD 0.2mm or more”</li> <li>➤ Semi Apo/ Plan Fluor 100X oil N.A 1.30 / 0.2mm or more - <b>REMAIN SAME</b></li> </ul>
8	<b>STAGE</b> : Rectangular mechanical x and y stage travel range of (X) and (Y) direction with capacity to hold two glass slides at a time. Should have hard ceramic coating. The stage should have both side co-axial coarse and fine movement with torque adjustment. Vertical movement of stage should have 25 mm stage stroke with coarse adjustment limit stopper and Fine movement should have minimum adjustment gradations: 1µm. <b>REMAIN SAME</b>
9	<b>Epi-fluorescence turret</b> : <b>Atleast 8 Position or more fluorescence turret</b> . It includes narrow band pass, interference (hard coated) fluorescence filters for dyes like DAPI, FITC, TRITC. There should be Provision to add at least 4 more Fluorescence Filters in the future. High Intensity LED illuminator for Fluorescence Applications with a life of at least

	20,000-hours or better. It should be provides a broad spectrum of illumination, covering the excitation bands of common fluorophores such as DAPI, CFP, Aqua, FITC, TRITC, TxRed, Cy5 and more. It should have Operation by a remote manual control pod with instant on/off and control of irradiance from 0-100%. <b>REMAIN SAME</b>
<b>10</b>	<b>CERTIFICATION</b> : System should comply with international quality standard with certification of USFDA/ Four Digit European CE /CDSCO. <b>REMAIN SAME</b>
<b>11</b>	<b>RESEARCH GRADE MICROSCOPIC DIGITAL COLOR CAMERA</b> : Camera should be capable of acquiring Bright Field, Polarizing and low light fluorescence image. High resolution colour camera CMOS image sensor size of at least 1 inch CMOS sensor chip size, pixel size at least 3.4 x 3.4 µm or more, resolution of at-least 7.5 MP or more, Live display speed of 30fps on 4K resolution and 60 or more frame per second at Full HD resolution, camera should be enabled for Fluorescence and live cell imaging. USB 3.1 PC interface, memory card-based camera will not accept. Camera should have automatic & manual exposure setting. Suitable adapter & mount should be provided. <b>REMAIN SAME</b>
<b>12</b>	<b>Scientific grade research image analysis Software (Licensed) with following feature</b> : Licensed imaging software for image analysis,counting of cells and Measurement, Overlay multiple images, side by side image comparison, tile view, live cell imaging, AVI live-stream capture, time lapse at specific interval, merge & unmerge of fluorescence channels, capturing and data saving, report generator facility in excel. along with copy of license from the same manufacturer should be provided. <b>REMAIN SAME</b>
<b>13</b>	<b>DATA STATION</b> : Computer with latest i-7 Processor with Win 11 OS professional (64bit), at least 16 GB RAM or higher, 1 TB SSD, USB 3.1 ports, built-in Wifi, keyboard and mouse, 24" <del>TFT screen</del> & UPS. <b>May be read as under</b> <b>DATA STATION</b> : Computer with latest i-7 Processor with Win 11 OS professional (64bit), at least 16 GB RAM or higher, 1 TB SSD, USB 3.1 ports, built-in Wifi, keyboard and mouse, 24" <b>4K UHD screen</b> & <b>UPS 1 KVA</b> .
<b>14</b>	Quoted Microscope, objectives, camera and software should be from the same manufacturer for better compatibility. <b>REMAIN SAME</b>
<b>15</b>	Quoted microscope should be upgradable to motorized accessories like Fluorescence, condenser, Nosepiece, X-Y stage and FISH and Karyotyping application. <b>REMAIN SAME</b>
<b>16</b>	Bidder should submit at least 3 order copies (reputed Govt. Institute) of quoted model with Karyotyping and FISH software. <b>REMAIN SAME</b>
<b>17</b>	<b>Additionally rates of following filters should be quoted as optional:</b> a) TRIPLE (DAPI/GREEN/RED) - <b>REMAIN SAME</b> b) DUAL (AQUA/ ORANGE) - <b>REMAIN SAME</b> c) Sp. AQUA - <b>REMAIN SAME</b> d) Sp. ORANGE - <b>REMAIN SAME</b>

It is requested all prospective bidders, kindly read the above amendment only and other condition in bid remain same.

**STORES OFFICER (RPC)**