



## **Notice Inviting e-Tender**

**West Bengal Medical Services Corporation Limited**

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**Supply and Commissioning of Surgical Microscope for Dept. Of Plastic & Reconstructive surgery.(2<sup>ND</sup> CALL)**

**2<sup>ND</sup> CALL OF Bid reference no. WBMSCL/NIT-194/2023 dated 24.04.2023**

(Submission of Bid through *online*)

<b>Bid Reference No.: WBMSCL/NIT-291 /2023</b>	<b>Dated-01.06.2023</b>
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(Submission of Bid through *online*)

## **Amendment-II**

### **Revised Technical Specification**

- 1) **Working distance:**  
200-500 mm at least, continuously variable through motorized multifocal lens, activated through control panel. Manual override / alternate control.
- 2) **Magnification range:**  
Minimum range up to 1.5X-21X (12.5X eyepiece) or better
- 3) **Zoom:**  
Should have 6:1 motorized zoom activated through hand control and foot switch control panel
- 4) **Focusing:**  
Focusing: 200 – 500 mm (+/- 25 mm). Motorized via multifocal lens activated through Hand or Footswitch & Touch screen control panel. Manual over ride/ alternate override should be available. Automatic focusing preferable.
- 5) **Eyepieces:**  
Wide field eye piece for eyeglass wearers Dioptic settings -5D or less to +5D or more with adjustable eye cup interpupillary distance 55-75mm (adjustable). 12.5x eyepieces the system must provide all apochromatic optics, displaying the region of interest free of color aberrations.

- 6) **Light Source:**  
300 W Xenon/ equivalent LED (documents in support of claim need to be submitted)  
indirect type illumination with integrated 300 W Xenon back-up with fast action Lamp Change over. The system must display the remaining life time for each illuminant. The system must automatically indicate defective lamps.
- 7) **Illumination Field Diameter:**  
Should have built in automatic zoom-synchronized illumination field diameter, with manual override/ alternate Control and reset feature. The depth of field can be adjusted electronically and manually by system's handgrips.
- 8) **Automated illumination control:**  
Should have Automated Illumination. Brightness control should be linked to working distance.
- 9) **Binocular tube:**  
Binocular tube: Tilt able, rotatable, length adjustable binocular tube for main surgeon with 0 – 180 degree rotation facility.
- 10) **Balancing:**  
Balancing: The system must have one touch automatic balancing of all system axes without any manual interaction or touch screen based software balancing.
- 11) **Beam Splitter:**  
The system should have Integrated Beam Splitter Stereo co observer:
- 12) **Stereo Co observer: Should have stereo co observation attachment for side assistant and all three operating surgeons view together at the same time.**
- 13) **Face to Face attachment:** Built in face to face attachment with 0 -180° Tilt able binocular with 10X to 12.5X eyepiece (any one) with Diopter correction must be -5D to +5D range. Face-to-face operation must be possible with both surgeon and assistant.
- 14) **Camera:**  
Full HD Video Camera with integrated recording system.
- 15) **Display:**  
24" or more Full HD Medical grade touch screen display system attached with the microscope system. (The monitor system must be integrated with the system)
- 16) **Recording:**  
Full in built video recording system with integrated HDD of at least 1TB.
- 17) **Sterilized microscope cover (draping)** must be supplied with the Surgical microscope (at least 30 nos.)
- 18) **Certification:**  
Surgical microscope must be European CE (4 digit notified body) / US FDA /BIS certified