



Notice Inviting e-Tender

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Supply and Commissioning of Mid End Surgical Operating Microscope for Retinal Surgery for Dept. of Ophthalmology at Jalpaiguri Govt. Medical College and Hospital , Jalpaiguri

(Submission of Bid through *online*)

Bid Reference No.: WBMSCL/NIT-295/2025

Dated-16.04.2025

2nd call of Bid Reference Number WBMSCL/NIT-184/2025 Date : 05.03.2025

Amendment I

Revised Technical Specification

SURGICAL OPERATING MICROSCOPE FOR OPHTHALMOLOGY **(Anterior & Posterior Segment Surgery)**

MICROSCOPE

- Compact microscope body with high quality & complete apochromatic Optics with 1:6 zoom ration. Magnification factor 0.4X to 2.4X;
- Focusing range 50 mm, Objective lens f-200 mm, 65mm diameter.
- Binocular tube : Tilttable tube with integrated image inverter from OEM only. External Inverter or third party inverter not acceptable.
- Eye Pieces : 10X / 12.5x with +8D to -5D compensator.
- Deep View : Depth of field management system for optimal depth perception & maximum light transmission.

ILLUMINATION:

- Stereo Coaxial Illumination system for unique detail recognition , high contrast & stability of red reflex even with strongly pigmented decentered and ametropic eye.
- Retina Protection Device and contrast enhancement aperture.

- Integrated 408 nm UV barrier filter and Blue blocking filter;

X Y COUPLING

- X-Y Coupling with minimum 60 mm x 60 mm adjustable range or better;
- Motorized foot-controlled X-Y coupling with automatic re-centering and X-Y inversion facility.

SUSPENSION SYSTEM

- 14 function wired/ wireless foot control, Motorized foot-controlled Zoom and focus with re-centering of focusing position through foot control. Image inversion facility on foot control.
- High quality floor stands with long spring balance suspension arm with effective length of 1 metre or more having load bearing capacity of at least 14 Kg or more.
- Stand should have touch screen LCD display with programming facility for setting the speed of XY, Zoom and focus, Foot Pedal.
- Stand should have cold light fiber Optic illumination 12v 100w Halogen lamp /LED within built lamp housing with two lamps, automatic Lamp changeover facility in case of failure of main lamp.

CCTV ATTACHMENT

- 1 CCD HD Camera from standard company mandatorily to eliminate any additional cablings.
- Recorder with USB port, 1 TB HDD, HD LCD TV 32"

WIDE ANGLE RETINA VIEWING SYSTEM (from OEM):

- Wide angled non-Contact observation / viewing system (autoclave able).
- Field of viewing 120 deg., Non-contact Lenses 68D & 128D.
- Both Lenses should mounted and Interchangeable during surgery.
- **Standard & Safety Certification** : Valid CDSCO Certificate License for the manufacturer(s) & Registration Certificate from CDSCO for the importer(s) as applicable