



Notice Inviting e-Tender

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Supply and Commissioning of ENT Operating Microscope in the Dept. of ENT of different Medical Colleges and Hospital under Govt. of West Bengal

(Submission of Bid through *online*)

Bid Reference No.: WBMSCL/NIT-350/2025

Dated-30.04.2025

Amendment I

Revised Technical Specification

ENT Surgical Microscope

1. **Working distance:**

Total variable working distance 200-400 mm or better, continuously variable through multifocal lens through Hand control

2. **Continuous Zoom:**

Microscope should have **continuous zoom** to work at any magnified position with dial indicator to visualize value of magnification factor.

3. **Magnification range:**

Minimum range up to 17X or better

4. **Focusing with LASER attachment:**

Fine focusing for lens activated through Hand adjustable

5. **Eyepieces:**

12.5X wide field eyepiece with dioptric setting +5D to -5D

6. **Light Source:**

High power Integrated LED illumination min. 5500K illumination.

7. **Binocular tube:**

Binocular tube for main Surgeon which can be pushed and pulled offering flexible positing, added magnification and Integrated rotate functionality. Tilt range is 0°-180° or more

8. **Hand grip**

Ergonomic handle, bilateral, 360°, adjustable with release knob.

9. **Lateral Movement**

Binocular Turntable for Lateral rotation in ±12 Degree for neck comfort to the Surgeon

10. **Beam splitter:**

Integrated Beam splitter for camera

11. **Camera:**

Integrated Full HD Video Camera that maximum resolution will display & record

- Apochromatic optics tested generation for brilliant and true color images and videos
- Highest resolution for current and future high-definition camera systems with APS-C-Format
- Ideally matched to camera and microscope Full format without any annoying vignetting shading
- Compact overall height and minimum weight, no adverse effect on the work with the microscope
- Live full HD-video streaming in 1920 x 1080p via HDMI

12. **Display:**

32" or more Full HD display system must have remote control operation

13. **Recording:**

Integrated HD video recording systems with HDD of at least 1 TB with HDMI input/ output. System must have remote control operation.

14. **Side Assistant Scope:**

Microscope must have stereo co-observation attachment for side assistant for left or right side assistant should also offer with tiltable tube with range of 0 degree to 180 degree or more with 10X or 12.5X Wide field eyepiece with DIOPTERIC Setting +5D to -5D

15. **Spot Illumination:**

Spot illumination control is required to view small particular anatomy

16. **Asepsis:**

We provide asepsis caps for all controls and handles.

17. Lighting with no glare

18. Filters to differentiate between tissue & vascularity and tissue & blood.

19. Prior to opening of financial bid physical demonstration of their quoted product by the participant bidders at Dept. of ENT of MCH Kolkata is mandatory

20. **Standard and Safety** : Valid CDSCO Certificate License for the Manufacturer(s) & Registration Certificate from CDSCO for the importer(s) as applicable.