

ALL INDIA INSTITUTE OF MEDICAL SCIENCES  
ANSARI NAGAR, NEW DELHI-110029  
STORE SECTION (DO)

Ref. No. XX-59/SO(DO)/Uro./2025-26/M&E

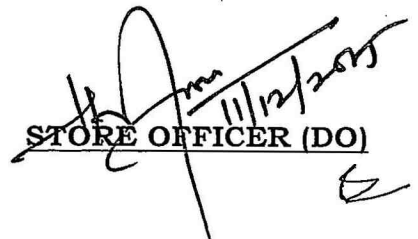
Dated: 11.12.2025

**CORRIGENDUM**

It is informed that the tender bearing no. XX-59/SO (DO)/Urology/2025-26/M&E and CPP tender I.D. No. 2025\_AIMSD\_883073\_1, procurement of High End Operating Microscope was published through CPP portal, has revised technical specification & dates of tender has been extended, as per TSEC recommendation and detail given below:

Sl. No.	DETAIL	EXISTING	AMENDED/EXTENDED
1.	Bid submission END Date	11.12.2025	22.12.2025
2.	Bid Opening Date	12.12.2025	23.12.2025
3.	Technical Specification	Enclosed revised technical specification. Annexure-I	

All other terms & condition of the tender are same.

  
STORE OFFICER (DO)  
11/12/2025

# ANNEXURE-I

## All India Institute of Medical Sciences, New Delhi Department of Urology

### Technical Specifications for purchase of High End Operating Microscope for Urologic Microsurgery (REVISED)

A high-end operating microscope on floor stand is required by the Department of Urology, AIIMS New Delhi for reconstructive microsurgery. The device must be capable of face-to-face viewing by two surgeons as well as image capture and transmission of the same quality image and same field of view as seen by the surgeons.

1. General:

- a. It should be a Protection Class I Surgical Microscope with Electromagnetic compatibility IEC 60601-1-2/EN 60601-1-2 or better.
- b. It should have long reach with good overhead clearance.
- c. It should have a compact footprint to minimize OT space wastage.
- d. It should be lightweight and easy to maneuver with dedicated handles for the movement.
- e. Its working should be noiseless and quiet to avoid distraction.

2. Electrical Standards:

- a. Should comply with IEC 60601-1:2005 + A1:2012/ EN 60601-1 or better.
- b. Voltage: 220 - 240 V, 50/60 Hz

3. Optics:

- a. It should have motorized focus via multifocal lens, with continuous variable adjustment of the working distance.
- b. It should have autofocus function.
- c. It should have motorized and manual zoom; 1:6 Zoom ratio or better.
- d. The zoom should be able to provide comprehensive maximum magnification of 24x or more. However, there should not be any resolution loss at higher magnifications.
- e. Maximum FOV not less than 220mm.
- f. Working distance should be from 220±25 mm or less to 600±25 mm or more, without using additional auxiliary means, with fully apochromatic optics, displaying the region of interest free of color aberrations.
- g. Zoom and focus controls must be motorized and available on both side hand-grips in sterile field, foot switch, and on the control panel on the stand.
- h. Manual control of zoom and focus must be possible within the sterile area.
- i. Microscope should have wide field magnetic or threaded eyepieces of 10 to 12.5x along with integrated eyecups for surgeon and assistant.
- j. Eye-piece must have adjustable Dioptic settings as well as adjustable inter-pupillary distance within the sterile field.
- k. Eye-piece should have rotatable adapter for stereo binoculars of both the primary and assistant surgeon.
- l. It should have full stereo view for the main surgeon and assistant surgeon in a face-to-face configuration with both surgeons viewing the same field and illumination.
- m. Should have inbuilt Fluorescence-assisted angiography using indocyanine green

4. Illumination:

- a. Xenon Light source (300W X 2) or better with rapid lamp exchange/ push button lamp exchange. Two spare Xenon bulbs are to be supplied with the device.
- b. Automatic adjustment of illumination to the field of view.

5. System Operation:

- a. Should have multifunctional programmable handgrips.
- b. Should have ability to store settings (programmable) for at least 5 surgeons
- c. Magnetic clutches and electromagnetic brakes for all system axes.
- d. XY movements in 6 axes or better.

- e. The microscope main boom arm should be movable using an out-of-sterile-field magnetic clutch.
  - f. The device should be mobile on high-quality castors.
  - g. Automatic intraoperative balancing of stand and optics.
  - h. Should be provided with a multi-function wired or wireless foot control panel.
  - i. Facility for adjusting speed of the focusing motor to adapt for different magnifications.
  - j. 100 sterile drapes for the microscope should be provided free and the cost for disposable drapes is to be provided separately and fixed for 10 years.
6. Video and Display:
- a. Should have fully integrated Full HD video camera, FHD touch screen monitor (24") or better with image and video recording controls on handgrips as well as on the touchscreen display.
  - b. The camera must be an integral part of the system and not an external add-on/removable device.
  - c. The device should be capable of transmitting video images both onto the attached monitor and externally.
  - d. The field of view, clarity and illumination of the transmitted images should be the same as those visible to the operating surgeon
  - e. Should be network ready with the existing data system of the hospital (wired as well as wireless).
  - f. Should be capable of recording video in HD quality with integrated internal memory of at least 1 TB (or better). At least 2 hi-speed USB ports should be available for easy transfer of files to external storage device.
7. Supply and warranty
- a. Any accessories essential to make the device fully functional must be quoted and supplied. If any such accessory is not quoted or provided, it will have to be provided free of cost before issue of inspection note of successful installation.
  - b. The device quoted must be the latest version of the model available in the global market. Any software upgrades made available in the 10-year life of the device must be provided free of cost by the vendor.
  - c. Cost of consumable accessories, if any, must be quoted separately and the rates will be frozen for 10 years, subject to the fall clauses of all AIIMS tenders.
  - d. System should be supplied with 2 years warranty and CMC for next 3 years after warranty period. CMC rates for year 6 to 10 should also be quoted in price bid. The minimum life of the equipment must be 10 years from date of installation.
  - e. The vendor must undertake and provide evidence for availability of spares and repair center within India with qualified service personnel.
  - f. The equipment must carry BIS/FDA/CE (Europe) certification
  - g. An up-time guarantee of 95% is to be provided. Any repair required must be completed within 96 hours of notification failing which, a replacement product of similar capabilities is to be provided. Failure to provide a replacement product if the machine is out of commission for more than 96 hours, or exceeding total down time of 5% (more than 18 days in a year) will result in penalty at the rate of 0.05% per day of the total cost of invoice.
  - h. All accessories essential for making the device fully functional must be included in the quotation. If it is later determined that an essential accessory has not been quoted/provided, the vendor will be responsible for providing it free of cost.
  - i. Physical demonstration of the quoted model as per technical specification of tender is essential.