



Notice Inviting e-Tender

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Supply and Commissioning of 01 (One) unit of Endoscopic Surgical Instruments for the
Department of Urology, RG Kar MCH, Kolkata

(Submission of Bid through *online*)

(2nd call of WBMSCL/NIT-662/2025, Dated-30.07.2025)

Bid Reference No.: WBMSCL/NIT-1075/2025

Dated-30.12.2025

AMENDMENT-I

Revised Technical Specification **of Endoscopic Surgical Instrument**

A	4KCamera System
1	<p>Processor for following should be quoted:</p> <p>a) 2- Dimensional endoscopic video camera processor in 4K resolution (3840X2160). Processor must be ICG compatible. This feature must be demonstrated during physical inspection and live demonstration in the institution.</p> <ul style="list-style-type: none"> The system should have a facility of 3x Digital Zoom Lens or more. The processor must be compatible with flexible video endoscope. System should have facility to offer various visualization modes for surgery and diagnosis by shifting the color spectrum for recognition of the finest tissue Structures and their differentiation. Picture in Picture of visualization modes. Compatible Cart should be supplied.
2	<p>Camera Head Technical Specifications:</p> <p>Pixels: 3840 X 2160 Pixels</p> <p>AGC: Microprocessor controlled.</p> <p>Lens: Integrated Zoom Lens f = 18 mm or more</p> <p>Zoom: Digital Adaptive Zoom</p>

		Control buttons: 2 or more Input: Keyboard input for character generator or touch Screen. Power Supply: -200-240 VAC 50/60 Hz
	3	32 Inch 4K Monitor with stand The monitor should have: Aspect ratio: 16:9 Contrast Ratio: 5000:1 or 1000:1 Effective Resolution: 3840 X 2160 Pixels Max. observation angle: 178° vertical/horizontal.
	4	External light source with power LED and Fiber optic cable <ul style="list-style-type: none"> Light source must be ICG compatible. This feature must be demonstrated during physical inspection and live demonstration in the institution. Should have touch display which provides an intuitive & user-friendly interface that directly displays relevant data. LED equivalent to 300 W Xenon light Lumens: 2100 and above Color Temperatures 5800-6500K Light Outlets – 1 Lamp life of approx. 30,000 hrs. 4.5 to 4.8 mm Fiber Optic Cable and 300cm Long
	5	INTERNAL / EXTERNAL IMAGE & VIDEO RECORDING AND DATA ARCHIVING SYSTEM <ul style="list-style-type: none"> State of the art user friendly medical grade system, should be offered with following features, Still images and videos (optional with audio) in 2D in HD resolution. Internal/ external HDD memory minimum 2 TB
B	Insufflator 40-45 L:	
	1	Gas flow: 0-45 l/min.
	2	Pressure: 0-30 mmHg (4000Pa).
	3	High flow mode (0 to 45 l/min.)
	4	Sensitive mode pressure 15 mmhg & flow 15 l/min for sensitive application
	5	Gas warming facility must be present
	6	Following data are displayed on touch screen: <ul style="list-style-type: none"> Insufflation mode. Set value pressure (0-30 mmHg). Current patient pressure. Set value gas flow (0-40 l/min). Current gas flow. Gas consumption (0-999 l). Status of gas heating. Power supply: 100-240 VAC, 50/60 Hz.
Note		Whole system should be valid CDSCO Certificate/Registration/License for both the manufacturer(s) and importer(s) as applicable.
		In case of any deviation in technical specification, the opinion of the Expert Committee will be treated as full and final decision.

Technical Specifications Nephroscope – 4 Nos.

15-24 (sheath size) FR Nephroscope with all accessories

Specification-

- A. The product should be CDSCO approved
 - B. Wide angle straight forward telescope with angled eyepiece, autoclavable, fiber optic light transmission with lock connection for inflow incorporated.
 - C. Should have operating telescope with offset/parallel eyepiece having angle of view between 6 deg. to 30 deg.
 - D. Should have working length of 18 cm and above.
 - E. Should have rotatable operating sheath between 20 Fr to 25 Fr compatible with telescope for continuous irrigation and suction.
 - F. Scope should have incorporated working channel of 9 Fr and above.
 - G. The eyepiece of the instrument should be compatible with standard Endovision camera head.
 - H. Physical demonstration of the scope is mandatory after the completion of tender evaluation.
 - I. All equipment should be CDSCO approved.
 - A) Wide angle straight forward Rigid Mini nephroscope, with continuous flow operating sheath, sheath size 15-18 Fr)- Quantity One Number
 - B) Wide angle straight forward Rigid nephroscope with continuous flow operating sheath, Sheath size 20-22 Fr, Quantity 2 Numbers
 - C) Wide angle straight forward Rigid nephroscope, with continuous flow operating sheath capability 22-25 Fr, Quantity One Number
 - 1. Lens-6° or 12° lens
 - 2. The eye piece should be compatible with any standard endovision camera head.
- Accessories- standard reputed company CDSCO approved (To be provided for each Scope)
- 1. Grasping forceps- Biprong, Triprong, alligator – 4 each
 - 2. Fascial dilator- 2 sets
 - 3. Initial puncture needle - 2 part , Quantity 5 number
 - 4. Storage & transportation tray- 1 such
 - 5. Alken metal cannula- Quantity 2
 - 6. Amplatz sheath (Full set)- Quantity 2 sets

Specification for URS set 6Fr- 7 Fr tip – 4 Nos

- 1. Uretero-Renoscope, 6 /7.5 Fr., 12°, one-step, conical, 8-13.5 Fr., length 43 cm, autoclavable, with angled eyepiece, fiber optic light transmission incorporated. 2 lateral irrigation ports and 1 working channel 3Fr. for instruments up to 3 Fr.
 - 2. Tray (reputed make) for cleaning, sterilization and storage.
 - 3. Distal chip diameter of 6Fr.
 - 4. Detachable/fixed instrument port with sealing system and quick release lock, one instrument channel.
 - 5. Distal end of sheath atraumatically shaped with rounded tip.
- Accessories:** (To be provided for each Scope)

1. Grasping Forceps for stone fragments, double action jaws, Fr, rigid, length 60 cm- 3 pcs
2. Grasping Forceps for stone fragments, Triprong jaws, 3 Fr., rigid, length 60 cm. – 3 pcs
3. Detachable/ **fixed** Instrument Port with sealing system and quick release lock, 2 channels, for use with uretero-renoscopes
4. Compatible for Stone therapy with laser, ultrasound, electro hydraulic or ballistic lithotripsy

Rigid auxiliary instruments can be used through the straight instrument channel.

Use of flexible auxiliary instruments or two different instruments such as laser fiber or electro hydraulic probe and stone extractor to stabilize and retrieve the concrement.

Specification for Adult Cystoscope & Resectoscope, Cystolitholithotripsy and urethrotome – 4 Nos.

The set should include the following:

1. Straight Forward 0 degree Telescope, diameter 4mm, Autoclavable, Length 30cm, fiber optic light transmission incorporated.- Quantity 1 such
2. Forward oblique 30 degree Telescope, diameter 4mm, Autoclavable Length 30cm, fiber optic light- 2 Such. **10 mm 30 degree ICG compatible telescope-1 Such**
3. Cystoscope-Urethroscope Sheath- (17- 22.5 Fr) each with obturator and 2 LUER-lock connectors- 4 numbers
4. Telescope bridge, with 1 lockable channel- 4 numbers
5. Grasping forcep. double action jaws for stent removal.- 5 Numbers(Standard Company)
6. Bugbee electrode, unipolar, 5Fr & 7Fr, each with length 53 cm- 2 Quantity
7. Resectoscope Sheath with LUER-Lock stopcock, including connecting tubing for in outflow, 26Fr, oblique beak, rotating inner sheath with ceramic insulation.- 4 number
8. Standard obturator & Visual obturator each with channel for flexible instruments.- Total 4 numbers
9. Working element where cutting by means of a spring, the thumb support is movable and in rest position the electrode is inside the resectoscope sheath- 4 numbers
10. Cutting loop, angled - 5 numbers (Same OEM as scope)
11. Coagulating electrode, with ball end.- 5 numbers (Same OEM as scope)
12. Collins Knife- 2 numbers
13. High frequency cords (Monopolar)- 4 such
14. Protection tube for sterilization and storage of electrodes.
15. Sachse Urethrotome sheath, 21 Fr with channel- 2 such
16. Obturator for urethrotome sheath- 2 for each set
17. Telescope Bridge for use with urethrotome sheath with 5 Fr channel for instruments.- 2 such
18. Sachse cold knife, straight- 2 such