



Notice Inviting e-Tender

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Supply and Commissioning of 01 (One) Unit of VATS 3D Camera system with VATS Instruments set for the Department of CTVS, NRS Medical college & Hospital, Kolkata

(Submission of Bid through *online*)

Bid Reference No.: WBMSCL/NIT-099/2025

Dated-06.02.2025

AMENDMENT-I I

REVISED TECHNICAL SPECIFICATION

3D VATS set

Complete 3D Endo vision System & instruments for VATS (Video Assisted Thoracoscopic Surgery)

Sl. No.	Specification	Qty.
1	3D Camera System	1

	<p>The 3D Endoscopic Camera System should offer 4K Imaging with depth perception.</p> <ul style="list-style-type: none"> • Integrated distal sensor video thoracoscope, 10 mm, 0° direction of view - Qty 1 • Integrated distal sensor video thoracoscope, 10 mm, 30° direction of view - Qty 1 • Two distal Full HD image sensors optimized for stereoscopic endoscopy. • Slender and light design - weight less than 500 gms. • Sterilization options: Autoclavable, ETO and Plasma sterilization. • Should have DVI-D output or HD-SDI Left & HO-SDI Right for transmitting the 3D signal in 1080p format at 50/60 Hz to a 3D monitor. • Easy switching between 2D and 3D modes. • Overall System rated safety class CF defib. • Should meets IEC 601-1, 601-2-18, CSA22.2 no. 601, UL 2601-1 and CE according to MDD, protection class 1/CF defibrillation-safe 	
2	4K Medical Grade Monitor capable of displaying 3D – 32 inch	1
3	LED / Xenon Light Source 300W & Light cable.	1
4	Data Acquisition system and Recording for dual (3D and 2D image/video source).	1
	<p>Modular and preconfigured system with integrated touch screen for intraoperative documentation of still images and videos.</p> <p>Essential features of the system.</p> <p>Full control from the sterile field via camera head buttons, integrated touchscreen (with transport lock and retractable), optional foot switch.</p> <p>Parallel (synchronic or independent) recording of two image sources.</p> <p>Still images and videos in 2D or 3D.</p> <p>Water mark feature.</p> <p>Intelligent, adaptive storage management.</p> <p>Storage location is freely definable and configurable.</p> <p>Storage on internal memory (2 TB, FIFO), USB storage media via 2.0 and 3.0, optical media, network drive, FTP or via DICOM.</p>	
5	Endoscopic Trolley SS304 powder coated– Trolley should include the Monitor holder.	1

VATS Instrument specification

1. Rod lens Telescope 30°, enlarged view, diameter 5 mm, length 29 cm, autoclavable - Qty 1.
2. Straight Forward Tele - scope 0°, enlarged view, with angled eyepiece, diameter 10 mm, length 27 cm. Fiber optic light transmission incorporated, with 6 mm instrument channel, autoclavable- qty: 1
3. Trocar, size 11 mm, consisting of: Trocar only with blunt tip, Cannula without valve, with Insufflation stop- cock, length 10.5 cm Automatic valve – qty 1
4. Suction Tube, insulated, with trumpet valve, for unipolar coagulation, size 5 mm - qty 1

5. Dissecting and Biopsy Forceps, rotating, size 5 mm, length 43 cm, with connector pin for unipolar coagulation, single action jaws, with LUER lock adaptor for cleaning, consisting of: Plastic Handle, without ratchet Outer Tube with insert, insulated -qty 1
6. Coagulating Electrode, insulated, for unipolar coagulation, size 5 mm – qty 1
7. Powder Blower with bulb, size 5 mm, working length 42 cm, consisting of: Sheath for Powder Blower, Rubber bulb, Tube and Bottle qty 1
8. Trocar size 11 mm, autoclavable consisting of: Trocar, with blunt tip, Trocar Cannula, flexible, without valve, length 8.5 cm- Qty 2
9. Plastic cannula autoclavable for use with flexible trocar size 11 mm- package of 5- Qty 4
10. Trocar, size 6 mm, autoclavable consisting of: Trocar, with blunt tip, Trocar Cannula, flexible, without valve, length 8.5 cm- Qty 2
11. Plastic cannula autoclavable for use with flexible trocar size 6 mm- package of 5- Qty 4
12. Trocar, size 6 mm, consisting of: Trocar, only with blunt tip, Cannula with thread, length 6 cm - Qty 4
13. Trocar, size 11 mm, consisting of: Trocar only, with blunt tip, Cannula with thread, length 6 cm- Qty 4
14. Trocar, size 6 mm consisting of: Trocar with blunt tip, Cannula without thread, length 6.5 cm, with insufflation stopcock, Silicon Leaflet Valve, size 6 mm-Qty 4
15. Trocar, size 13 mm, consisting of: Trocar with blunt tip, Cannula with thread, length 4 cm- Qty 1
16. Parenchymal Forceps, atraumatic, straight jaws, single action jaws, size 5 mm, length 28 cm, consisting of: Metal Handle with 4 locking positions, with ratchet, Outer Tube with Working Insert-Qty 1
17. Parenchymal Forceps, atraumatic, double curved jaws, single action jaws, size 5 mm, length 28 cm, consisting of: Metal Handle with 4 locking positions, with ratchet, Outer Tube with Working Insert-Qty 1
18. Lung Forceps, atraumatic, fenestrated, curved jaws, single action jaws, size 5 mm, length 28 cm, consisting of: Metal Handle with 4 locking positions, Outer Tube with Working Insert - Qty 1
19. Dissecting and Grasping Forceps, curved jaws, double action jaws, size 5 mm, length 28 cm, consisting of: Metal Handle with 4 locking positions, Outer Tube with Working Insert-Qty 1
20. Lung Nodule Forceps, atraumatic, fenestrated, curved jaws, single action jaws, size 5 mm, length 28 cm, consisting of: Metal Handle with 4 locking positions, Outer Tube with Working Insert- Qty 1
21. Grasping Forceps, Cobra -Jaws, 1x2 teeth, straight jaws, single action jaws, size 5 mm, length 28 cm, consisting of: Metal Handle with 4 locking positions Outer Tube with Working Insert- Qty 1
22. Grasping Forceps, straight jaws, single action jaws, size 5 mm, length 28 cm, consisting of: Metal Handle with 4 locking positions, Outer Tube with Working Insert- Qty 1
23. Parenchymal Forceps, atraumatic, curved jaws, single action jaws, size 5 mm, length 28 cm, for use with Linear Stapler- Qty 1.
24. Dissecting Forceps, insulated, curved jaws, double action jaws, size 5 mm, length 28 cm, with connector pin for unipolar coagulation, consisting of: Insulated Metal Handle with 4 locking positions, Insulated Outer Tube with Working Insert- Qty 1
25. Scissors, insulated, straight jaws, curved scissor blades, double action jaws, size 5 mm, length 28 cm, with connector pin for unipolar coagulation, consisting of: Insulated Metal Handle with 4 locking positions, Insulated Outer Tube with Working Insert- Qty 1

26. Scissors, insulated, distally angled outer sheath, curved scissor-blades, scissor blades open horizontally to angulation, double action jaws, size 5 mm, length 28 cm, with connector pin for unipolar coagulation, consisting of: Insulated Metal Handle with 4 locking positions, Insulated Outer Tube with Working Insert- Qty 1
27. Scissors, insulated, distally angled outer sheath, straight scissor -blades, scissor blades open parallelly to angulation, single action jaws, size 5 mm, length 28 cm, with connector pin for unipolar coagulation, consisting of: Insulated Metal Y -Handle with 4 locking positions, Insulated Outer Tube with Working Insert-Qty 1
28. Biopsy Forceps, insulated, distally angled outer sheath, single action jaws, size 5 mm, length 28 cm, with connector pin for unipolar coagulation, consisting of: Insulated Metal Y - Handle with 4 locking positions, Insulated Outer Tube with Working Insert-Qty 1.
29. Biopsy Forceps, insulated, straight, single action jaws, size 5 mm, length 28-35 cm, with connector pin for unipolar coagulation, consisting of: Insulated Handle, Insulated Outer Tube with Working Insert-Qty 1.
30. Surgical Sponge Holder, for atraumatic dissection of tissue layers, size 10 mm, length 30 cm, consisting of: Handle, Outer Sheath, insulated Sponge Holder Insert- Qty 1
31. Powder Blower with bulb, size 5 mm, working length 30 cm, consisting of: Sheath for Powder Blower, Rubberbulb, Tube and Bottle-Qty 1
32. Suction-Coagulation Cannula, with connector pin for unipolar coagulation with handle, size 5 mm, length 28- 35 cm-Qty 1
33. dissecting forceps rotating, dismantling, with connector pin for bipolar coagulation, distally angled outer sheath, double action jaws, curved jaws, jaws open horizontally to angulation, size 5 mm, length 20 cm, color code: light blue consisting of: Outer Sheath with Forceps Insert qty-1
34. Dissecting Forceps, model, dismantling, with connector pin for bipolar coagulation, distally angled outer sheath, double action jaws, curved, jaws open horizontally to angulation, size 5 mm, length 28 cm, color code: light blue, consisting of: P Plastic Handle, with 4 ratchet positions Forceps Insert with Outer Sheath qty-1
35. Scissors, model, dismantling, with connector pin for bipolar coagulation, distally angled outer sheath, single action jaws, straight scissor blades, scissor blades open vertically to angulation, size 5 mm, length 28 cm, color code: light blue consisting of: Plastic Handle, with 4 ratchet positions Scissors Insert with Outer Sheath qty-1
36. METZENBAUM Scissors, Model, rotating, dismantling, with connector pin for bipolar coagulation, curved jaws, more slender scissor blades, double-action jaws, size 5 mm, length 20 cm, color code: light blue consisting of: Plastic Handle Metal Outer Sheath, insulated MW Scissors Insert qty-1
37. Suction-Coagulation Cannula, with connector pin for bipolar coagulation, distally angled sheath, for use with handle, size 5 mm, length 28 cm- Qty 1
38. Suction and Irrigation Cannula, with lateral holes, distally angled sheath, for use with handle, size 5 mm, length 28 cm- Qty 1
39. Dissecting Electrode, L-shaped, with connector pin for unipolar coagulation, distally angled sheath, size 5 mm, length 28 cm-Qty
40. Medical grade recorder for 3D 4K videos & still pictures.
41. Stainless steel containers for storage and sterilization
42. ICG fluorescence imaging system with 90° viewing scope

All above equipments should be from the same manufacturer and CDSCO certified.

