



## **Notice Inviting e-Tender**

**West Bengal Medical Services Corporation Limited**

**Swasthya Sathi**

**GN-29, Salt Lake, Sector-V**

**Kolkata-700091**

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**Supply and Commissioning of different types of Medical Equipment for Calcutta National Medical College and Hospital (Discipline- ENT)**

(Submission of Bid through *online*)

**Bid Reference No.: WBMSCL/NIT-412/2024**

**Dated-15.07.2024**

### **Amendment-I**

## **REVISED TECHNICAL SPECIFICATION**

### **Schedule – I**

#### **Ventilating Bronchoscopy and Esophagoscope (adult and paediatric)**

#### **Bronchoscope and Esophagoscope for Foreign Body Removal.**

1. Bronchoscope, length 30 cm, size 6.
2. Bronchoscope, length 30 cm, size 5
3. Bronchoscope, length 30 cm, size 4.5.
4. Bronchoscope, length 30 cm, size 4

5. Bronchoscope, length 30 cm, size 3.5.
6. Bronchoscope, length 26 cm, size 4.
7. Bronchoscope, length 26 cm, size 3.5
8. Bronchoscope, length 26 cm, size 3
9. Bronchoscope, size 3.5, length 18.5 cm, for neonates
10. Esophagoscope, length 30 cm, size 6.
11. Esophagoscope, length 30 cm, size 5.
12. Esophagoscope, length 30 cm, size 4
13. Esophagoscope, length 18.5 cm, size 3.5
14. Compatible Telescopes for above mentioned Bronchoscope & Esophagoscope tubes, Straight Forward- telescope 0°, autoclavable. Fiber optic light transmission incorporated.
15. Compatible Optical Forceps, 2 x 2 teeth, for the controlled grasping of coins and flat foreign bodies, for use with telescope forced controlled handle.-Qty-01.
16. Compatible Optical Forceps, universal, for biopsy and foreign body removal, for use with telescope-Qty 01.
17. Compatible Optical Forceps, for grasping peanut fragments and soft foreign bodies, with spring action handle-Qty 01.
18. Compatible Optical Alligator Forceps for Paediatric Broncho esophagoscopes, for use with telescope forced controlled handle for removal of hard foreign bodies - Qty 01.
19. Compatible Optical Forceps for Pediatric Broncho-Esophagoscopes, with bean jaws, for use with telescope forced controlled handle for removal of peanuts and soft foreign bodies. -Qty 01
20. Compatible Optical Forceps for Neonatal Broncho-Esophagoscopes, with bean jaws, for use with telescope forced controlled handle for removal of peanuts and soft foreign bodies. Qty 01.
21. Compatible Optical Forceps, for Neonatal Broncho-Esophagoscopes with 2 x 2 teeth, for the controlled grasping of coins and flat foreign bodies, for use with telescope forced controlled handle. -Qty 01.
22. Compatible Optical Alligator Forceps for Neonatal Broncho-Esophagoscopes, for use with telescope forced controlled handle for removal of hard foreign bodies -Qty 01.
23. Rubber Telescope Guide for use with Telescopes or optical forceps. -Qty 01.
24. Prismatic Light Deflector, Autoclavable, with Connection to fiber light cable Qty 01.
25. Glass window Plug. Qty- 01.

26. Adaptor with sliding glass window plug, sealing cap, notched lens and keyhole opening, moveable -Qty 01.
27. Adaptor from bronchoscope to respirator Qty 01
28. Instrument guide, for suction catheter Qty 01
29. Injection Cannula for positive pressure assisted ventilation system, O.D. 3.5 mm and 2.7mm with LUER-lock - Qty 01
30. Coagulating Suction tube, insulated, with connector pin for unipolar coagulation, diameter 3mm, working length 35cm, with Unipolar High Frequency Cord. Qty 01
31. Foreign Body Basket, with ring handle, working length 35 cm. Qty 01
32. Suction Catheter, 7Fr. With adaptor, Qty 1
33. Suction Tube, with rubber tip, straight, outer diameter 2 mm, working length 35 cm -Qty 01.
34. Suction Tube, with rubber tip, curved, outer diameter 2 mm, working length 35 cm-Qty 01.
35. Rigid Suction Tube, outer diameter 3mm, working length 35 cm -Qty 01.
36. Sponge Holder, spring handle, working length 35 cm -Qty 01.
37. Cotton Carrier, working length 35 cm -Qty 01.
38. Forceps, pointed, serrated, for coins and flat foreign bodies, double action jaws, sheath diameter 2 mm, working length 35 cm -Qty 01.
39. Forceps, spoon shaped, oval, fenestrated, for biopsy and foreign body removal, double action jaws, sheath diameter 2 mm, working length 35 cm- Qty 01
40. Forceps, alligator, for hard foreign bodies, double action jaws, sheath diameter 1.5 mm, working length 35 cm -Qty 01.
41. Forceps, alligator, for hard foreign bodies, double action jaws, sheath diameter 2 mm, working length 35 cm -Qty 01.
42. Forceps, for peanuts and soft foreign bodies, double action jaws, sheath diameter 2 mm, working length 35 cm -Qty 01.

#### Adult Esophagoscope for Foreign Body Removal.

1. Esophagoscope, oval, size 10 x 14 mm, length 50 cm

2. Esophagoscope, oval, size 10 x 14 mm, length 40 cm
3. Esophagoscope, oval, size 8 x 12 mm, length 40 cm
4. Esophagoscope, oval, size 8 x 12 mm, length 50 cm
5. Compatible Telescope for above mentioned Esophagoscope tubes, Straight Forward- telescope 0°, diameter 5.5 mm, length 53cm, autoclavable. Fiber optic light transmission incorporated Qty 01.
6. Compatible Optical Forceps, for the controlled grasping of peanuts and soft foreign bodies, including cleaning adaptor. -Qty 01.
7. Compatible Optical Forceps, alligator, large jaws, for hard foreign bodies. - Qty 01.
8. Prismatic Light Deflector, Autoclavable, with Connection to fiber light cable Qty 01.
9. **Compatible illuminating system should be provided along with all esophagoscope**
10. Insertable Suction Tube, for use with esophagoscopes, outer diameter 2 mm, length 50 cm -Qty 01.
11. Insertable Suction Tube, for use with esophagoscopes, outer diameter 2 mm, length 30 cm -Qty 01.
12. Forceps, pointed, serrated, for coins and flat foreign bodies, with LU ER-Lock irrigation connector for cleaning, double action jaws, sheath diameter 2.5 mm, working length 55 cm -Qty 01.
13. Forceps, alligator, for hard foreign bodies, with LUER-Lock irrigation connector for cleaning, double action jaws, sheath diameter 2.5 mm, working length 55 cm -Qty 01.

**Specification for Full High Definition Endoscopic Camera with for surgery/video endoscopy**

Sl. No.	Technical Specifications
1	<p><b>Full High definition Camera System</b></p> <p>The system should have the maximum Resolution of 1920 X 1080 pixels, progressive scan and the consistent use of 16:9 formats for Input &amp; Output.</p> <ul style="list-style-type: none"> <li>• The system should have facility of Optical <b>or</b> Digital Zoom lens to enhance the quality of Image size &amp; cross specialty usage of the camera system, regardless of</li> </ul>

Sl. No.	Technical Specifications																
	<p>the telescope used.</p> <ul style="list-style-type: none"> <li>• Internal / External Medical grade recorder for Capturing FULL HD Videos and HD Stills with storage capability of 50GB or more.</li> <li>• System should have facility of controlling additional -'equipment's like light source and recording device from the camera head.</li> <li>• System should have facility to offer various visualization modes for surgery and diagnosis by shifting the color spectrum like <b>BLUE &amp; GREEN</b> light for recognition of the finest tissue Structures and their differentiation.(optional)</li> <li>• Parallel live display of visualization modes besides white light mode (picture-in-picture).(optional)</li> <li>• Homogenous light mode for peripheries and posterior end available in the system. " (optional)</li> <li>• Vascularity enhancement mode for better tissue differentiation should be available (optional)</li> <li>• Pointer and Grid Functions for teaching and conferences. (optional)</li> <li>• Modular design: Digital FULL HD camera module should be compatible for use with video flexible GI endoscopes. The system should also be upgradable to 3D technology.(optional)</li> <li>• Should be provided with suitable trolley</li> </ul> <p><b>Technical Specifications:</b></p> <table> <tr> <td>Image sensor:</td> <td>CMOS</td> </tr> <tr> <td>Pixels</td> <td>1920x1080</td> </tr> <tr> <td>AGC:</td> <td>Microprocessor Controlled</td> </tr> <tr> <td>Lens:</td> <td>Integrated Zoom Lens(optional) f = 15-31 mm (2x optical zoom) (optional)</td> </tr> <tr> <td>Minimum light sensitivity:</td> <td>1.17 Lux (f = 1.4 mm)(optional)</td> </tr> <tr> <td>Control buttons:</td> <td>3 (2 of them freely programmable)</td> </tr> <tr> <td>Video output:</td> <td>2 x DVI-D , 2 x USB connection</td> </tr> <tr> <td>Input:</td> <td>Keyboard input for character generator.</td> </tr> </table>	Image sensor:	CMOS	Pixels	1920x1080	AGC:	Microprocessor Controlled	Lens:	Integrated Zoom Lens(optional) f = 15-31 mm (2x optical zoom) (optional)	Minimum light sensitivity:	1.17 Lux (f = 1.4 mm)(optional)	Control buttons:	3 (2 of them freely programmable)	Video output:	2 x DVI-D , 2 x USB connection	Input:	Keyboard input for character generator.
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Sl. No.	Technical Specifications
	Power Supply:- 100-240 VAC 50/60 Hz
2	<b>High Definition Medical Grade Monitor</b>
	<p>The monitor should have:</p> <p>HDTV display in original 16:9 format.  1080 p / 50 &amp; 1080p/60 displays possible.  LED crystal display.  Max. Resolution of 1920X 1080.  Screen diagonal - 27 inches  Desk top with pedestal.  Should have the facility of PIP mode.</p> <p>Accessories External 24VDC Power Supply, Mains Cord, Pedestal.</p>
4	<b>LED Light Source with Fiber optic cable</b>
	<ul style="list-style-type: none"> <li>• Color Temperatures 6400K</li> <li>• Light Outlets - 1</li> <li>• Lamp life should be 30000 working hours</li> <li>• <b>Light Intensity Adjustment: - Continuously adjustable manually</b></li> <li>• Light source should be a separate unit.</li> <li>• Should be supplied with Diameter 3.5mm, Length 230cm.</li> </ul>

**The camera system should have facility to connect chip on tip video scopes directly.**

ALL ABOVE EQUIPMENTS SHOULD BE FROM THE SAME MANUFACTURER

Certification-The bidder should submit CDSCO Certificate/Registration/License for both the manufacturer(s) and importers(s) as applicable.