



## **Notice Inviting e-Tender**

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**Supply and Commissioning of Endoscopic Ultrasound Machine for Department of Medical Gastroenterology at MCH, Kolkata**

(Submission of Bid through *online*)

**Bid Reference No.: WBMSCL/NIT-231/2023**

**Dated-10.05.2023**

### **Amendment III Pg 35**

### **Revised Technical Specifications**

S.NO.	
	<b>Specification For Endoscopic Ultrasound System</b>
<b>1.</b>	<b>UNTRASONIC GASTROVIDEOSCOPE (LINEAR)</b>
•	Should have 150° or more electrical curved linear scanning.

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	<ul style="list-style-type: none"> <li>Should have EUS images with four or more selectable frequencies.</li> <li>Should have Colour and Power Doppler for effective confirmation of blood flow.</li> <li>Should always have lens cleaning function for keeping the endoscopic field of view clear.</li> <li>Distal end should have short rigid portion for less trauma to be patient.</li> <li>Videoscope should have FNA (therapeutic) capability.</li> <li>EUS Scope should be fully immersible for thorough cleaning</li> <li>Endoscopic Image should be completely visible without any masking</li> <li>Quoted model should be compatible with optical image enhanced endoscopy is NBI/BLI/I SCAN OE</li> <li>Should have a detachable / in-built cable for better handling and maintenance of scope</li> </ul>
	Field of view : 100 degree or more
	Direction of view : 40-60 degree Forward oblique or forward viewing
	It should have four or more Programmable buttons on the body of the Video Scope with depth of field of 3-100 mm.
	Insertion tube outer diameter : 12.9 mm or less
	Instrument channel diameter : 3.7 mm or more
	Working Length : 1250 mm or more
	Bending section : Up 130 deg, Dn 90 deg, Rt & Lt 90 deg or better.
	Contact Method : Balloon Method or direct contact method.
<b>2.</b>	<b>ULTRASONIC GASTROVIDEOSCOPE (RADIAL)</b>
	<ul style="list-style-type: none"> <li>Should have 360-degree electronic radial scanning.</li> <li>Should have high quality ultrasound images with four or more selectable frequencies.</li> <li>Should have Colour and Power Doppler for effective confirmation of blood flow.</li> <li>Should have lens cleaning function for keeping the endoscopic field of view clear.</li> <li>Distal end should have short rigid portion for less trauma to the patient.</li> </ul>
	Field of view : 100 degree or more.
	Direction of view : 50-60 degree Forward oblique or forward viewing.
	It should have four or more Programmable buttons on the body of the Video Scope with depth of field of 3-100 mm.
	Insertion tube outer diameter : 12.1 mm or less.
	Instrument channel diameter : 2.2 mm or more.
	Working Length : 1250 mm or more.
	Bending section : Up 130 deg, Dn 70 deg, Rt & Lt 70 deg or better.
	Contact Method : Balloon Method or sterile de-aerated water method.
<b>3.</b>	<b>ULTRASOUND PROCESSOR</b>
	<ul style="list-style-type: none"> <li>Compact &amp; easily transportable unit.</li> <li>Should be high end system</li> <li>Compatible with Electronic scanning and preferably mechanical scanning probes</li> <li>3D imaging option for radial scanning probes preferred</li> <li>Preferable generated frequency range: up to 20 MHz</li> <li>Touch screen dedicated and user-friendly keyboard</li> <li>Cine Memory: 120 frames or more</li> <li>Possibility to retrieve images through USB port to record.</li> <li>AGC/Enhance, GAIN, STC functions.</li> </ul>

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•	Display mode: B Mode, Colour Flow Mode, Power Flow Mode and H-Flow / F-Flow mode, Contrast and Tissue Harmonic modes, Contrast Harmonic Imaging and Real Time Tissue Elastography with strain Histogram / strain ratio. Should have shear wave quantification features.
<b>4.</b>	<b>VIDEO PROCESSOR</b>
•	Capable of storage up to 35 to 45 patient's data.
•	May be separate/combined unit from light source
•	Should be equipped with HDTV imaging capability for observing of capillaries, mucosal structure and other patterns.
•	Special light imaging capability to enhance the visibility of capillaries and other structures on the mucosal surface.
•	Should have HD-SDI/DVI output for high quality video image transfer.
•	Light Source: 300 W Xenon/ 4 -LED or more with the facility of optical enhancement technology i.e., NBI/ISCAN OE/BLI and LCI.
•	Emergency lamp as backup, which should automatically ignite, in case the main lamp gets defective.
<b>5.</b>	<b>MONITOR &amp; TROLLEY</b>
•	27" or more High-Definition Monitor of Medical Grade
•	Good quality trolley should be supplied with the system
<b>6.</b>	<b>COMPUTER, PRINTER AND SOFTWARE</b>
•	Software for image recording and archiving including
•	Computer should have min I3 processor with Colour Printer
<b>7.</b>	<b>ACCESSORIES (Should be from the same manufacturer or US FDA approved)</b>
•	EUS FNA NEEDLES 22 Gauge : Min 10 Nos.
•	BALLOONS: 20 Nos each for Radial and Linear Scope
•	2KVA Online UPS.
	<b>KEY POINTS:</b>
i.	The offered equipment should have a brand name/Model Number embossed/ etched on the equipment of the OEM with mandatory after sales service with a dedicated trained service engineer/ service representative team of OEM Principle Company.
ii.	Company must have at least 5 installations of the quoted models in the last 3 years, in reputed Government/ Private institutions in India.
iii.	Company should have good service structure and facility of repairing scopes in India and will be available within 6 hours of intimation.
iv.	Any other essential hardware/ software/ items required to make all above things functional should be quoted, otherwise it will be treated that same will be supplied free of cost.
v.	All systems should be latest version and same series of High End.

Note: whole system should be certified by the USFDA / European CE (4 digit notified body) / BIS except the accessories which must be from the standard company