



Notice Inviting e-Tender

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Procurement of Endo Bronchial Ultra Sound System for the Department of Pulmonary Medicine at R. G. Kar Medical College and Hospital, Kolkata
(Submission of Bid through *online*)

Bid Reference No.: WBMSCL/NIT-704/2023
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Dated-21.12.2023

Amendment-I

REVISED TECHNICAL SPECIFICATION

Endo-Bronchial Ultrasound System (EBUS)

System includes:

1. Endobronchial Ultrasound Scope for EBUS-TBNA
2. Ultrasound Processor with color Doppler function.
3. Video Processor & Light Source.
4. High Definition Monitor.
5. Aspiration Needle Set.
6. Balloons
7. Biopsy Forceps & Accessories.
8. Computer, Trolley, Software for image recording and archiving.

Specification:

1. Endobronchial Ultrasound Scope (for EBUS-TBNA)
 - Thin diameter- transducer for ease of insertion.
 - Fully immersible in disinfection solution.
 - Electronic curved linear array scanning.
 - Endoscopy image during procedure should be completely visible **with** no masking.
 - Should be repairable in India only.

Field View	: 80° or better
Direction of view	: 45° or less
Depth of field	: 2 to 50 mm or better
Distal End diameter	: 6.4 mm or more
Instrument Channel Diameter	: 2.2 mm or more
Working length	: 600 mm or more
Tip bending length	: Up 120° Down 70° or more
Ultrasound display modes	: B-mode, Color Flow Mode, Power Flow mode
Scanning frequency	: 5,6/7.5, 10, 12 MHz
Scanning range	: 65° or more
Contact method	: Balloon & Direct contact method
Remote switch	: 3 (three) or more

2. Ultrasound Process:

- Compact & easily transportable unit Ultra sound & color Doppler function.
- Processor should be high-end and latest models.
- Compatible with Electronic or Mechanical probes / both.
- Should preferably have capabilities to connect radial probes for accessing peripheral lungs
- Generated frequency range : preferably 20 MHz or more required for radial probes
- Should have facility to measure distance between two points defined by 4 or more symbols.
- Touch screen, LED backlit keys and dedicated, user friendly key board.
- Cine memory : 150 frames or more
- Equipped hard disk drive with minimum 1 GB to storage of still images.
- GAIN, contrast, STC functions.
- Image : 3D ULTRASONIC IMAGE (optioned)

3. Video Process and Light Source

- Should have scope identification function.
- Should be compatible with semi automatic / Manual leakage tested.
- HD Output – must have HD-SDI and DVI-D output facility.
- It should have structure and edge enhancement option for better image quality
- Should support Optically Enhanced Band imaging : NBI / BLI / OE-iScan
- It should be varies Iris control option for better light distribution
- Unit should be compact and light weight
- Light Source should be compact and light weight

- Light Source should be 300W Xenon lamp with additional lamp 2(two) nos. (i.e. Total of 3 Nos.) Or 4 LED with emergency backup lamp.
- It should be latest and High end version.

4. High Definition Monitor

27" or more High Definition LCD Medical Grade Color Monitor

5. Aspiration Needle Set

Preferably from the same company or US FDA/ European CE/BIS approved – 100 Nos.
Echogenic dimpled needle tip for better Ultrasound visibility.

Needle Gauge: 22G(Qty-40), 21G(Qty-50), 19G(Qty-10).

Needle Length: 40 mm

6. EBUS Balloons:

Preferably from the same company or US FDA/ European CE/BIS approved – 20 nos.

7. Biopsy Forceps

Cytology brush – 10 Pcs

Biopsy Forceps (Disposable) – 5 Pcs

Guide Sheath Kit – 10 Pcs

Scope cleaning brush – 10 Pcs

8. Computer, Trolley, Software etc for image recording and archiving

The company should provide good quality Trolley, Computer (i5) with Color Laser Printer and Reporting Software

Company should have good service structure and good installation base in reputed government institution.

Company should have facility of repairing scope in India.