

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES,
STORE SECTION (DO), 1ST FLOOR, ANIMAL HOUSE,
ANSARI NAGAR, NEW DELHI-110 029, INDIA**

TENDERENQUIRY DOCUMENT

(Two Bid System for Machinery & Equipments)



Advertised Tender Enquiry No.: XX-152/SO(DO)/Pead. Surgery/24-25/M&E

**Brief Description of Goods : Purchase of Integrated Difficult Airway
Scope - 01 Set.**

SECTION-I



**ALL INDIA INSTITUTE OF MEDICAL SCIENCES
ANSARI NAGAR, NEW DELHI-110 029
TENDERS ENQUIRY DOCUMENTS (TED)**

Advertised Tender Enquiry No : XX-152/SO(DO)/Pead. Surgery/24-25/M&E

On behalf of Director, AIIMS, Ansari Nagar, New Delhi-110 029, online bids are invited in two bid system (Techno-Commercial Bid and Financial Bid) from reputed, eligible and qualified firms/manufacturer for supply of following Goods:

| S. No. | Brief Description of Goods | Quantity | Amount of Bid Security/EMD |
|--------|---|----------|----------------------------|
| 1. | Purchase of Integrated Difficult Airway Scope | 01 Set. | INR Rs. 1,88,000/- |

CRITICAL DATE SHEET

| | |
|---------------------------------------|----------------------------------|
| Published Date & Time | 28-11-2024 at 06.00 pm |
| Bid Document Download/Sale Start Date | 28-11-2024 at 06.00 pm |
| Seek Clarification Start Date | 28-11-2024 at 06.00 pm |
| Seek Clarification End Date | 04-12-2024 at 04.00 pm |
| Pre Bid Meeting | NA |
| Pre Bid Meeting Place & Address | NA |
| Bid Submission Start Date & Time | 10-12-2024 at 04.00 pm |
| Bid Submission End Date & Time | 30-12-2024 (Monday) at 03.00 pm |
| Bid Opening Date & Time | 31-12-2024 (Tuesday) at 03.00 pm |

Section – VII
TECHNICAL SPECIFICATION AND GENERAL POINTS

Specifications for Integrated Difficult Airway Scope (Pediatric)

Quantity: 1 set

Flexible Video scopes & Video laryngoscope required with video illumination to visualize and document the operational area for difficult intubation in both pediatric patient on video monitor. It should consist of following features:

Video processor & Monitor

- Monitor Screen size between 8 to 12 inch for display with touch screen to control features with HDMI output for connecting to a big screen which can display picture simultaneously on both screens.
- Monitor should have two ports to connect two video endoscopes (Video laryngoscope + Flexible Intubation scope) at one time and picture can be swapped using touch screen.
- The monitor battery should be chargeable, should be supplied with a charger and should have facility to be used while charging.
- Monitor resolution should be minimum 1920 X 1200 pixels in 16:9 format.
- It should have integrated video processing & Integrated recording of Video & still images on data card (minimum 16 GB) or USB drive with JPEG and MPEG format which can be easily transferred to the computer/laptop. Documented videos & still images should be easily recalled on the monitor.
- Monitor Should have a facility to connect flexible videoscope directly without any special coupler or accessory.
- Monitor should have Picture-in-Picture & side-by-side mode to view images from 2 different blades or flexible video scopes.
- Monitor should be splash proof according to IP 54 and should be shock resistant.
- Monitor should have lithium-ion rechargeable batteries and run for at least 100 minutes when fully charged.
- Adult and Pediatric angulated Magill forceps from same manufacturer to be provided for foreign body removal and for assisting nasal intubation while using blades.
- Product certification EC Class-I
- Same Monitor should be compatible with all the below mentioned scopes of same manufacturing principal company:
 - o Reusable video laryngoscope
 - o Single use video laryngoscope
 - o Reusable flexible intubation video endoscope
 - o Single use flexible intubation video endoscope
 - o Video Intubation endoscope with flexible tip

Flexible Video scope – NeoNatal

- It should be light weight, high resolution & portable flexible scope.
- Integrated camera chip and LED light illumination
- CMOS technology
- ET TUBE HOLDER should be a part of standard accessory of flexible scope and should be from same manufacturer.
- There should be 5cm interval markings on the scope.
- Set should include- Suction Adaptors & Leakage tester as standard accessories along with carrying case
- Scope should be suitable for following applications-
 - o Endotracheal Intubation
 - o Bronchoscopy
 - o Inspection of the Airways
- Technical Details of Flexible Video Endoscope-
 - Tip deflection UP/DOWN; atleast 140° each direction
 - Angle of view 90-100 degrees,
 - Working Length: maximum 50 cm to 55 cm
 - Total length: 70 - 75 cm,
 - Distal Tip Outer Diameter: 2.6 mm-3mm
 - Direction of view: 0 degrees

Flexible Video scope - Pediatric

- It should be light weight, high resolution & portable single use flexible scope.
- Integrated camera chip and LED light illumination
- ET TUBE HOLDER should be a inbuilt.
- CMOS technology
- Scope should be suitable for following applications-
 - Endotracheal Intubation
 - Bronchoscopy
 - Foreign body removal
 - Bronchial Lavage
 - Inspection of the Airways
- Technical Details of Flexible Video Endoscope-
 - Tip deflection UP/DOWN; atleast 140° each direction
 - Angle of view 90-100 degrees,
 - Working Length: minimum 65 cm or more
 - Total length: at least 90-100 cm,
 - Working Channel diameter: 1.5 mm or more,
 - Distal Tip Outer Diameter: 3.8- 4.2mm
 - Direction of view: 0 degrees

Flexible Video scope - Adult

- It should be light weight, high resolution & portable single use flexible scope.
- Integrated camera chip and LED light illumination
- ET TUBE HOLDER should be a inbuilt.

- CMOS technology
- Scope should be suitable for following applications:
 - Endotracheal Intubation
 - Bronchoscopy
 - Foreign body removal
 - Bronchial Lavage
 - Inspection of the Airways
- Technical Details of Flexible Video Endoscope:
 - Tip deflection UP/DOWN: atleast 140° each direction
 - Angle of view 90-100 degrees,
 - Working Length: minimum 65 cm or more
 - Total length: at least 90-100 cm,
 - Working Channel diameter: 2 mm or more,
 - Distal Tip Outer Diameter: 5.5 mm
 - Direction of view: 0 degrees

Video laryngoscope for difficult intubation:

- Blades and connection cable should be fully immersible in disinfecting solution.
- Blades can be sterilized using plasma sterilization system or autoclave
- Required standard Macintosh and Miller blades with titanium handles with integrated camera chip and LED light illumination.
- Blades should have anti fogging mechanism.
- Macintosh blade size 0 producing resolution of minimum 800p.
- Macintosh blade size 2 producing resolution of minimum 800p.
- Macintosh blade size 3 producing resolution of minimum 800p.
- Miller blade size 0 producing resolution of minimum 800p.
- Special angulated Adult Blade for difficult intubation with device for introduction of suction catheter of size 16-18 Fr., angle of view should be 70 degree or more.
- Special angulated Pediatric Blade for difficult intubation with device for introduction of suction catheter of size 16-18 Fr., angle of view should be 70 degree or more.
- Stylet from same manufacturer for special angulated blade should be provided.

Video Trolley/ Cart:

Trolley to hang monitor, flexible scope and to hold video laryngoscope blades with tray should be provided from same manufacturer with height 120 cm, rollable with minimum five legs and antistatic castors, crossbar 25 cm x diameter 25 mm for positioning the monitor, with tray, dimensions (w x d x h): 30-40 x 20-25 x 10-15 cm. The trolley should be made up durable rust-free material. The wheels should be heavy duty and lockable.

Tray for sterilization/ disinfection:

Suitable trays for sterilization/ disinfection for

- Flexible Intubation scope
- video laryngoscope blades.

Note:

1. All Flexible intubation video scope, Video processing system including Video Blades should be from same manufacturer for total system compatibility and optimal system performance.
2. Demonstration of the complete system is must before finalization of opening finance bid.
3. BIS Approved or USFDA Approved and European CE certificate with 4 digit notified body.
4. OEM should have ISO 13485:2016 certified service process in India.
5. System should have warranty of 5 years and should quote the CMC for the next 5 years
6. Should quote all the necessary of consumables required to run the equipment for shelf life

BOQ:

1. Video processor & Monitor - 1 Nos.
 2. Connecting cable - 02 Nos
 3. Flexible Intubation Video Endoscope- Pediatric- 1 Nos.
 4. Flexible Intubation Video Endoscope - Neo Natal - 1 Nos.
 5. Macintosh blade size 0 - 01 Nos.
 6. Macintosh blade size 2 - 01 Nos.
 7. Macintosh blade size 3 - 01 Nos.
 8. Miller blade size 0 -01 Nos.
 9. Miller blade size 1 -01 Nos.
 10. Miller blade size 2 -01 Nos.
 11. Special angulated Adult Blade for difficult intubation - 01 no
 12. Special angulated Pediatric Blade for difficult intubation -01 no
 13. Stylet for special angulated blade -01 no
 14. Video Trolley complete set as per specification- 1 Nos.
 15. Tray for disinfection/ sterilization for Flexible scopes- 01 Nos
 16. Tray for disinfection/ sterilization for Video laryngoscope =01 Nos.
 17. Magill forceps- Adult - 01 Nos.
 18. Magill forceps- Pediatric - 01 Nos.
- Any additional Accessories or Consumable must be added to the BOQ quote.
 - Videobronchoscope are instruments and should have a warranty of atleast 2 year.
 - Laryngoscope blades are durable instruments and should have a warranty of atleast 5 years.
 - Physical demonstration may be asked if required
 - There should be the fixation of the consumables for a minimum of 10 years. The company must provide CMC for 5 years followed by CMC for another 5 years for monitor and processor.
