

Technical specifications for Pediatrics Video Bronchoscope system –

Should have the following specifications:

1. Lighter and possess high-resolution image quality.
2. Scope should have an image enhancement function.
3. Fully immersible in disinfectant solution.
4. Should have High-definition image quality.
5. Two or more no. of remote-control switches on the control body.
6. Compatible with leakage testing device Manual/Automatic.

Field of view	: 120 degrees or more
The direction of view	: 0-degree, forward-viewing
Depth of field	: 3 to 50 mm or better
Distal end outer diameter	: 3.5 mm or less
Insertion tube outer diameter	: 3.5 mm or less
Tip Bending range	: Up 180 deg& more, down 130 deg& more
Working length	: 600 mm or more
Channel inner diameter	: 1.2 mm or more

Full HD Video Processor Module:

1. Equipped with high-resolution HDTV Imaging capacity.
2. Should be compatible with Analog and Digital output with 1920X1080P output.
3. Minimum 2 HDTV image output (HD-SDI/DVI/HDTV) for HD image transfer.
4. Integrated/Separate, lightweight, and ergonomically designed.
5. Should have Special light functions such as FICE/BLI/NBI/I-SCAN OE to see the vascular/mucosal pattern.
6. Should have LCI (Linked Colour imaging) /RDI & TXI – Advance Image Enhancement Endoscopy facility or equivalent.
7. System should support Close focus up to 1.5 mm to get an enhanced image for diagnosis.
8. System should have Edge & Structure enhancement.
9. No white balance compulsion would be added advantage.
10. Recording of both still & moving images
11. Portable Memory & USB Slot for image recording with 4 GB internal memory and externalUSB (8GB) Automatic IRIS control & automatic white balance.
12. Automatic IRIS control & automatic white balance.
13. Should be compatible with Optical zoom, Enteroscopy scopes, and EUS system for future upgradation.

base

[Signature]

Prof. Avinash Agrawal
MD, IDCC, IFCCM, FICCM, FIACCIM, FCCP (USA)
Head, Department of Critical care,
King George's Medical University, UP, Lko.

[Signature]
[Signature]

14. Electronic Zoom up to 2X.
15. Equipped with memory backup for settings & Lithium battery.

Light Source:

1. Long life Multi LED light source (3 or more LED bulbs) with a minimum lamp life of 6000 hours, & light intensity equivalent to Xenon 300 watt
2. Backlit front panel indicators.
3. Equipped with automatic light adjustment forced air cooling, regulated air feeding pump, and fan with low noise.
4. Compatible with waterproof one-touch connector
5. Compact & lightweight design weight up to 15 Kg.
6. Integrated/Separate, lightweight, and ergonomically designed.

Medical Grade Monitor

26" or more medical grade monitor compatible with the above-quoted system.

The system should be supplied with the below-mentioned items -

- Compatible trolley of same make to mount the system
- HD Reporting and Reporting Software
- Computer system with i5 processor, 8GB RAM & 1 TB HDD or higher
- Laser color printer.
- Biopsy Forceps (2 No. for each)
- Mouth Guard (10 No. for each)
- The company should have a good service structure and facility for repairing scopes in India.
- Appropriate recording cables and accessories should be in the scope of vendors only for making it fully functional.

Conditions for tender:

1. All accessories should be from the same Original Equipment Manufacturer for the main unit.
2. Instruments must be ISO certified and a copy should be enclosed. (The ISO Certificate must be issued by any organization accredited by the Bureau of Indian Standard or accredited by the international accrediting forum "IAF" (Certificate to be

Prof. Avinash Agrawal
MD, IDCC, IFCCM, FICCM, FIACCM, FCCP (USA)
Head, Department of Medical care,
King George's Medical University, K.G. U., K.G.O.






Page 2 of 4

attached).

3. Should be USA FDA and/ or European CE be approved by 4 digits notified body.
4. Other necessary certifications if any required will be provided by the bidder for the smooth functioning of the machine.
5. Installation process should be performed by O.E.M trained service engineers/ service representatives on OEM letterhead or Service Report within 15 days of supply, with the mandatory provision of providing preventive services visit of OEM trained Service Engineer/ Service Representative quarterly per year till the completion of warranty period (i.e., 20 visits for the first 05 years) & further quarterly visits (04 visits/year) year till the completion of CMC period.
6. The equipment should have a Brand name/ Model Number embossed/etched on the equipment.
7. All the technical specifications in the compliance statement must be supported by Original Literature from the firm/ O.E.M with highlighting Numbering & flagging of all technical certificates.
8. Offered Equipment should have a strong Government Installation base.
9. Offered Equipment should have a Regional Sales Service Centre of the Original Equipment Manufacturer in the region for a 95 % uptime guarantee.
10. For the offered main unit, the essential, optional required consumables'/accessories' shelf life should be declared on the Original Equipment Manufacturer's letterhead.
11. In case of technical snag/failure/breakdown the response time for the inspection should be within 24 hours and repair within 05 days otherwise provide a service machine/ alternate arrangement to be made till the period of recovery of the breakdown of the unit, failing which attracts penal action as per the decision of institute/ hospital.
12. For offered equipment the Training of technical staff and users should be performed by Original Equipment Manufacturer trained Service Engineers at the proper designated place- at bidders' cost.
13. Company should quote their latest model and need to provide an affidavit for the same.
14. As a tendering process the Demonstration of the offered Equipment is Mandatory at hospital/institute premises or other designated places at the bidder's cost.
15. The bidder must comply with the General Financial Rules and their modifications if any issued by the Government of India- 2017.

Prof. Dr. S. K. Singh
MD, IDCC, IFCCM, FICCM, FIACCM, FCCP (USA)
Head, Department of Critical Care
All India Institute of Medical Sciences, New Delhi
Georges Medical University, UP, Lko.

16. Any bidder from a country that shares a land border with India will be eligible to bid in the tender only if the bidder is registered with the Competent Authority (i.e., Registration certificate issued by the Ministry of Commerce and Industry (Department for Promotion of Industry and Internal Trade- DPIIT after October 2020). If any such bidder is not registered with DPIIT they will be liable for technical disqualification.
17. Principal (OEM) must authorize only one agent to be quoted in the bid otherwise multiple quotes through different agents in the same bid will be canceled.
18. The Bidder and its OEM both have to submit a notarized affidavit on the Indian Non-Judicial Stamp Paper of Rs.100/- that the bidder has not quoted the price higher than the current financial year and last financial year supplied to any government Institute/ Organization/ reputed Private Organization. OEM also has to submit that the price quoted by the bidder in the bid is on its behalf and the lowest in the current and last financial year in the country. Therefore, if at any stage it has been found that the supplier and its OEM have quoted lower rates than those quoted in this bid; the Institute (the purchaser) would be given the benefit of lower rates by the Supplier and any excess payment if any, will become immediately payable to the Institute (the purchaser). If such an affidavit is not submitted, the bid will be outrightly rejected. (Part of technical bid).
19. Guarantee / Warranty Period: Separate offers of Comprehensive Maintenance Contract (CMC on main equipment) and Annual Maintenance Contract (AMC on main equipment) for further 5 years after expiry of 5 years of warranty (i.e., 6th, 7th, 8th, 9th and 10th years) in rupees only (and on basis of percentage of price) should be included in a financial bid in the absence of which the offer is liable to be rejected. Payment for CMC/AMC shall be made only after the expiry of the warranty of 5 years, in case the Institute (the purchaser) decides for availing of CMC/AMC services. Contract for CMC/AMC shall be decided on expiry of warranty but rates (not more than 5% inclusive of all taxes for 6th to 10th year) will be frozen at the price of an issued purchase order before the release of payment by the Institute (the purchaser). However, the Institute (the purchaser) may decide not to enter into any CMC/AMC contract without assigning any reason for the same, which shall be binding upon the bid.






Prof. Avinash Agrawal
MD, IDCC, IFCCM, IFCCM, FIACCM, FCCP (USA)
Head, Department of Critical care,
King George's Medical University, U.S., Lko.