

Technical Specification for Pediatric Fiberoptic bronchoscope

Specification for Pediatric Fiberoptic bronchoscope

1. Field of View should be 120 degrees or more
2. Depth of field should be 3 – 50 mm or better
3. Distal end diameter should be 4.9 mm or less
4. Insertion tube diameter should be 5.0 mm or less
5. Channel diameter should be 2.2 mm or more
6. Should be lightweight and easy to use
7. Working length should be 600 mm or more
8. Total length should be 890 mm or better
9. UP and DOWN Angulation should be 180 degrees and 130 degrees or better
10. Should have a telescopic eyepiece
11. Can be fully immersed in disinfectant solution and water
12. Should have an autoclavable suction valve to avoid cross-contamination risk.
13. Should have the facility to check leakage by automatic pressure regulated leak tester.
14. Should be compatible with 150-watt halogen light source

Specs for Halogen Light Source

1. It should be provided with a suitable Portable halogen light source of 150W
2. Light Source should have a Vibratory Pump for use in UGI Scopes as well to deliver air/water to patients.
3. It should be able to give Pump Pressure of 41-62kPa
4. Lamp Life should be 50 Hrs on Continuous Use
5. Weight should not exceed 6 kg
6. It should be able to operate with 230V with 60Hz Frequency with power consumption of 200VA
7. It should have a Class 1 Type of Protection against electric shock
9. It should have an interchangeable Auxiliary Socket

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Prof. Avinash Agrawal
MD, DCC (ICCM), FCCM, FIACCM, FCCP (USA)
Head, Department of Critical Care,
King George's Medical University, UP, Iko.

Specification for Camera

1. should be a compact and well-balanced high-resolution video system.
2. Should be digital signal output DVI:1 that deliver more connect ability with almost all type of monitor, both digital and analog.
3. Weight should not be more than 5 Kg
4. When the camera head is disconnected, a color bar chart can be displayed.
5. Should have iris feature & Brightness control can be adjusted
6. Camera head should be immersible in disinfection solution.
7. Camera should be OEM Make.
8. Type of Protection against electric shock- Class I

Trolley

1. Trolley should have space to accommodate the video processor, monitor, and all the required equipment.
2. Provision of a Scope hanger in the trolley to hold the scope during the procedure
3. Trolley should have antistatic castor wheels having a front locking facility to move the trolley

Monitor-

1. 19' Inch Color Monitor
2. DisplayPort, DVI-D, D-Sub mini 15 pin
3. Backlight Sensor
4. Power Requirements- AC 100 - 240 V: 50 / 60 Hz
5. Should have CE certification.

Endoscopy reporting software

1. Endoscopy software compatible with video processor unit capable of recording and archiving still and video images along with the capability to provide reporting in modifiable format.




Desktop

1. Should provide the latest generation (i5 with 500 GB SDD hard Disk) Computer system with laser colour printer.



Conditions for tenderer:

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 attached).
3. Should be USA FDA and 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.




Prof. Avinash Agrawal
MD, ACCRECC, FICCM, FIACCM, FCC
Head, Department of Medical C
All India Institute of Medical Sciences
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All India Institute of Medical Sciences

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QUESTIONAIRE

1. The purpose of this study is to determine the effect of the proposed project on the environment. The study will be conducted in the area of the proposed project. The study will be conducted in the area of the proposed project. The study will be conducted in the area of the proposed project.

CONCLUSIONS

The study has shown that the proposed project will have a significant impact on the environment. The study has shown that the proposed project will have a significant impact on the environment. The study has shown that the proposed project will have a significant impact on the environment.

RECOMMENDATIONS

It is recommended that the proposed project be approved. It is recommended that the proposed project be approved. It is recommended that the proposed project be approved. It is recommended that the proposed project be approved.

REFERENCES

1. Environmental Impact Assessment Act, 1986.
2. Environmental Protection Act, 1986.
3. Environmental Protection Act, 1986.

4. Environmental Protection Act, 1986.

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.
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

Prof. Avinash Agrawal

MD, NCCRI, King George's Hospital,
Head, Department of Critical Care,
King George's Medical University, UP, India.

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- 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.
20. Should provide 5-year CMC. CMC cannot be more than 5% of the contract value.
21. System configured application-specific educational video tutorials shall be provided as standard with the system.
22. Details of service outlet in India to render services during 5 years warranty period.
23. The principals must give a certificate if the supplier/vendor is changed during the course of the guarantee/warranty period, the principals would be responsible for the upkeep/maintenance of the quote/supplied equipment, besides honouring all the terms and conditions of CMC/AMC in letter and spirit.
24. The supplied equipment is to be covered under a 5years comprehensive warranty and post-completion 5 years paid CAMC, in which all accidental damages/ breakage, leakage/ punctures, manufacturing defects and wear and tear of all sorts will be covered. However, consumables (valves/buttons/batteries, filters etc.), procedural endo therapy accessories are not covered under any kind of warranty or contract.



Prof. Avinash Agrawal
MD, IDCC, IFCCM, FICCM, FIACCM, FRCR (USA)
Head, Department of Critical care,
King George's Medical University, UP, I.ko.





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