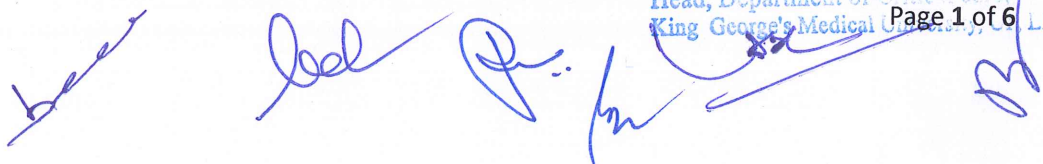


TECHNICAL SPECIFICATION FOR ENT OPERATING MICROSCOPE WITH HD MONITOR AND RECORDING SYSTEM

1. Should have the latest high-end apochromatic optics.
2. Should have 5 step magnification changers with five click stop positions (0.4x; 0.6x; 1x; 1.6x; 2.5x).
3. Should have total magnification ranging from at least 2.1x up to 26x or more without using an additional external magnification multiplier/changer.
4. Should have an objective lens with focal distances of 250mm and 300mm with a fine focusing knob.
5. Additional objective lens of 400mm should be supplied along with equipment for laryngology.
6. Pair of high point wide field push-in eyepieces 12.5x magnification with eye guards and magnetic clocks, diopter setting from -8D to +5D, also suitable for spectacles wearers.
7. Should have swivel coupling with brake for application-oriented positioning of microscope head required for specialized ENT surgeries such as stapedectomy and cochlear implants.
8. Should have a straight binocular tube with interpupillary distance adjustment varying from 55mm to 70mm or more.
9. Should have coaxial illumination by fiber light guide.
10. Should have integrated LED illumination with lamp lifetime of 50,000 working hours for better color rendition, tissue differentiation, and maintenance-free usage.
11. Should have heat absorbing and UV filters.
12. Should have Integrated red-free green filter for better visualization in the blood-filled operating field.
13. Should be floor standing type on castor wheels with brake.
14. Should have an Inclination switch that turns on the illumination in the working position and turns it off in the stand-by position.

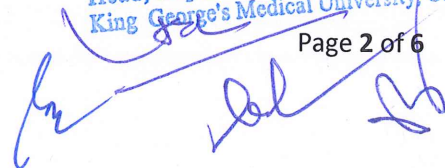
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15. Should have a fully integrated Full HD (1920 X 1080) camera inside the head of the microscope to meet the highest demands in live video quality. (Camera should not be visible from the outside).
16. Should provide integrated Full HD-video (1080p) recording which can be stored on USB/external hard disk drive, triggered from a microscope, or with remote control. The recorder should not be visible from the outside. Integrated HD video camera live & streaming with life-time recording license (Full HD 1080p), containing lifetime recording license, 1 TB external hard disk drive of SanDisk/ Sea-gate/ Toshiba/ Lenovo make, etc., remote control, with appropriate video cable for connection to full HD medical grade monitor.
17. Should simultaneously provide Full HD (1080p) live streaming without any external attachment to view live surgical video.
18. Should be able to create Full HD images during recording or from a recorded video onto shared network or USB/external hard disk drive as well as facilitate easy transfer of still images to patient management software.
19. Should be able to retroactively record video that occurred in the previous 30 seconds.
20. Should be able to record live surgery onto shared network or USB/external hard disk drive as well as facilitate easy transfer of HD videos to patient management software.
21. Should have a counter-balanced arm mechanism.
22. Should be supplied with sterilizable caps for adjustment knobs and handgrips that can be sterilized in autoclaves.
23. Should be supplied with a dust cover to cover the microscope when not in use.
24. Should be supplied with a 22" Full HD LED Medical Grade Monitor.
25. Should have powder-coated stainless steel 3 -tier trolley to mount medical grademonitor.



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26. Should have rust free design.
27. Should be operated in 200-240 Vac 50/60 Hz input supply.
28. Should be European CE certified.
29. Should be provided with 1 TB external hard disk drive of SanDisk / Sea- gate/ Toshiba/ Lenovo, etc. make for images and videos.
30. Should be provided with an appropriate voltage stabilizer.
31. Should be provided with Laser Colour Printer to take the printout of still images.

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 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 supplied equipment 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.
7. The equipment should have a Brand name/ Model Number embossed/etched on the equipment.

embossed/etched on the
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8. 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.
9. Offered Equipment should have a strong Government Installation base.
10. Offered Equipment should have a Regional Sales Service Centre of the Original Equipment Manufacturer in the region for a 95 % uptime guarantee.
11. For the offered main unit, the essential, optional required consumables'/accessories' shelf life should be declared on the Original Equipment Manufacturer's letterhead.
12. 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.
13. 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.
14. Company should quote their latest model and need to provide an affidavit for the same.
15. 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.
16. The bidder must comply with the General Financial Rules and their modifications if any issued by the Government of India- 2017.
17. 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.
18. 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.
19. 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

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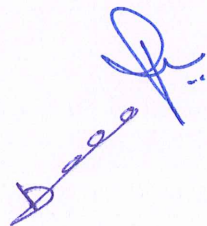
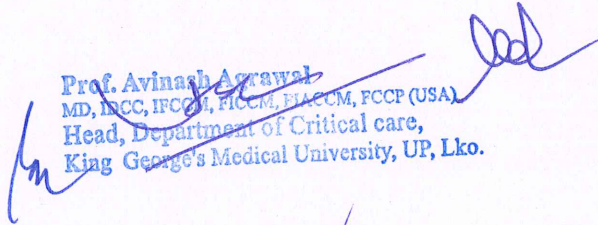

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by the bidder in the bid is on its behalf and the lowest in the current and last financial year in the country. Therefore, if at any stage it has been found that the supplier and its OEM have quoted lower rates than those quoted in this bid; the Institute (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).

20. 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.



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[Large handwritten mark, possibly a stylized 'A' or 'K', drawn in blue ink.]

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[Handwritten signatures and initials in blue ink, including a large 'R', 'M', and 'B' with a flourish.]