

TENDER SPECIFICATION OF OPERATING MICROSCOPE OPHTHALMIC
BNS UPASHAM

1. **Name of Equipment:** OPERATING MICROSCOPE OPHTHALMIC.
2. **Purpose:** To do operation in EYE Department.
3. **Quantity:** 01 (One) complete set.
4. **Make /Model:** To be mentioned.
5. **Brand:** To be mentioned.
6. **Name of Manufacturer:** Name and full address of manufacturer is to be mentioned.
7. **Country of Origin:** USA/ Canada/ UK/ EU/ Japan/ Australia/ South Korea.
8. **Manufacturing Country:** USA/ Canada/ UK/ EU/ Japan/ Australia/ South Korea.
9. **Port of shipment:** To be mentioned.
10. **Qualification of Bidders:** Bidders must be enlisted in NSSD Dhaka.
11. **Year of Manufacture:** From 2021 to 2023.
12. **Source of Supply:** Bidders/Suppliers are to be mentioned the name address and contact details of original source from where goods would be imported. Any software required for installation or proper operation of the equipment has to be provided with original CD.
13. **Price without import duties:** Quoted price is to excluded all import duties as those will be consigned against BN.
14. **Ambient Condition:** The **Operating Microscope Ophthalmic** will be operated and maintained in the following ambient conditions:

a	Ambient air temperature	5°C to 45°C
b	Relative humidity	Up to 95%

15. **Scope of Supply:** 01 (one) complete set of **Operating Microscope Ophthalmic** will have to be supplied with all attachments, accessories etc and complete in all respect for immediate operation.
16. **Technical features /facilities:**

Features:

- a. Surgical Microscope ensures high performance, so procedure times are shorter and patient throughput is higher.
- b. Microscope on Floor stands with magnetic brakes for easy positioning.
- c. Compact park position.
- d. Microscope settings on the Overhead Display for showing current settings at a glance at all the time.
- e. XY-coupling: 61mm x 61mm with centering button
- f. Motorized Zoom system with apochromatic lens, ratio 1: 6 (factor 0.4 to 2.4)
- g. Motorized focusing, range: 70mm
- h. Fast focus for switching rapidly between different focal planes, such as when folding the IOL
- i. before implanting it.
- j. Stereo Coaxial Illumination (SCI) technology for high contrast, precise, detailed view of the eye.
- k. Allows visualizing the most minute details in difficult situations like small pupils, advance cataract so can easily see remaining cortex tissue in the capsular bag.
- l. Apochromatic optics.

- m. Depth of field management system, Deepview for optimizing the scope for maximum depth of field or light transmission.
- n. Retina protection filter and device.
- p. Light source LED.
- q. 14 function foot control panel, wireless.
- r. 3m backup Cable for wireless foot switch.
- s. Widefield, push-in eyepiece 10x
- t. Objective lens $f = 200$ mm
- u. 180° Tilttable Binocular Tube.
- v. Widefield, push-in eyepiece 10x
- w. Objective lens $f = 200$ mm.
- x. Integrated Assistant's Microscope with Magnification Changer.
- y. Entire video chain should be integrated into the microscope. Integrated full HD video chain comprised of a high quality video camera and USB recording into the surgical microscope.
- z. Basis set (caps).
- aa. Dust cover.

Technical features/ Specification:

Surgical microscope:

- a. Motorized zoom system with apochromatic lens, zoom ration 1:6.
- b. Magnification factor $y = 0.4-2.4$.
- c. Focusing: motorized, focusing range: 70mm.
- d. Objective: $f = 200$ mm.
- e. Binocular tube: 180° Tilttable Binocular Tube.
- f. Eyepieces: Wide – angle eyepieces 10x
- g. XY coupling : Travel range: max. 61mm x 61mm Automatic centering at push of button.
- h. Light source: SCI: Coaxial and full field illumination.
 - : LED light source.
 - : LED fiber optic illumination.
 - : Near – daylight color temperature Hamode Filter.
 - : Blue blocking Filter.
 - : 14 Functions wireless foot control panel with 3m backup Cable.

Integrated Assistant's Microscope:

Integrated Assistant Scope with Magnification Changer with 45° inclined binocular tube

Integrated full HD video chain (From Same source)

- a. Integrated 3 CCD HD Color Camera.
- b. Integrated HD video and image recording via USB media.

The Microscope have Ethernet interface for LAN connectivity.

Following accessories with the Microscope:

Sterilizable Caps	- 02 sets
Dust cover	- 01 sets
Power Cable	- 01 set

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Local Supply items:

- 01. 40" LED monitor HD - 01 PC
- 02. Compatible 2000 VA online UPS - 01 PC

FDA/CE Certificate must be submitted with offer

17. **Standard Accessories:** Standard accessories must include all items and accessories with Brand, Model and Country of Origin including following which are required for installation and operation the **Operating Microscope Ophthalmic** whether those are mentioned in the specification or not. A list of such items/accessories is to be provided with the quotation indicating item wise price separately:

- a. Objective - 01 no
- b. PC with monitor
- c. Printer (HP Laser P2035)
- d. Software CD
- e. Voltage Stabilizer
- f. Multiplug
- g. Dust Cover
- h. AC Cable
- i. Table/Trolley.

18. **Local Training:** The supplier will arrange following training at **BNS UPASHAM** free of cost:

- a. Operational Training: 02 x Operator for 02 weeks.
- b. Repair/Maintenance Training: 02 x EM Tech (01x Navy & 01x Civ) for 01 week.

19. **Publication:** Following brochure/catalogue in English language showing detailed particulars of the quoted items should supplied along with the offer.

- a. Operation manual – 03 copies (1 x Original & 2 x Photocopies).
- b. Repair/maintenance/service manual including detail circuit/schematic diagram-03 copies (1x Original & 2 Photocopies).
- c. Parts Catalogue/Master Parts list – 03 copies (1x Original & 2 Photocopies).

20. **Spare Parts:** Adequate number of fast moving spare parts and other recommended spare parts required for 5 years operation are to be quoted indicating item wise price from which buyer will select as per requirement. The supplier should provide guarantee for supplying spare parts for a minimum period of 10 years.

21. **After Sales Service:** The supplier should have requisite after sales service facilities at home to render necessary services as and when required by BN. Necessary agreement will be signed if required. Details of workshop facilities of the supplier should mentioned.

22. **Test, Trial and Acceptance:** The supplier will carry out free of cost installation, test and trial of the supplied machine in presence of the buyer's representative. The acceptance of the supplied items will be carried out by the buyer at **BNS UPASHAM, Khulna** where the supplier's representative may be present if they feel so. After the satisfactory test/trial, the acceptance certificate will be given by the **ACINS Khulna**.

23. **Warranty/Guarantee:**

- a. The supplier must ensure that all items are new and unused. The supplier must provide warranty at least for 02 (two) years from the date of acceptance of the item(s) after satisfactory inspection, test, trial etc as applicable. If any defect/discrepancy of any item arise within the period of warranty, the specific period from the date of notification of the defect/ discrepancy to the supplier upto the date of rectification of defect/resolve of discrepancy will have to be deducted from the warranty period for that particular item(s).
- b. If any defect/discrepancy arises, within warranty period, then the respective item(s) is/are to be replaced free of cost including freight within 03 (three) months from the date of notification of the same to the supplier. In this regard, the supplier must furnish an undertaking with the offer by stating, "I do hereby assure that we take the liability to replace all spare parts/item(s) free of cost including freight within three months from the date of notification about the defect/discrepancy of the spare parts/item(s) by the buyer, if it occurs within the period of warranty".

24. **Delivery:** The supplied items are to be delivered within 03 (three) months from the date of signing contract to the **OIC NSD Khulna**.

25. **Validity of Offer:** Up to 30 June 2024.
26. **Certificate/Document of Authentication:** The local supplier must provide following original certificate(s)/document(s) with the offer/quotation to ascertain the genuinity of source and item(s) in order to establish chain of links from the original source of supply items.
- One certificate/document by the manufacture in favour of the supplier (in case of manufacture as direct source)
 - FDA/CE/JIS must be submitted
27. **Users List:** List of user in Bangladesh along with user's certificate of the quoted machine is to be provided along with the offer.
28. **Terms of Payment:** 100% payment will be made after satisfactory test, trial & acceptance by BN in local currency.
29. **Condition for Acceptance of Quotation:** Quotation has to have supporting documents (booklets, leaflet, catalogue, brochure etc) having detailed particulars of the offered **Operating Microscope Ophtalmic**. The quotation will not be accepted If detailed information regarding specifications, maker's books and catalogue about the same model of the machine quoted, list of spare parts and accessories, etc are not provided.
30. **Compliance statement:** A compliance statement fulfilling all requirements of the tender is to be submitted for evaluation of the quotations, Stating mere 'Yes' or 'No' will not suffice and detailed description/ information's as required are to be given. An incompliance statement may attribute to cancellation of the offer. If any clause of this specification does not commensurate with the offered item, the deviation has to be spelt out clearly.

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Dt.

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