

**TENDER SPECIFICATION OF ENDOSCOPY AND COLONOSCOPY MACHINE WITH STANDARD ACCESSORIES - BNS PATENGA**

1. **Name of Equipment:** ENDOSCOPY AND COLONOSCOPY MACHINE WITH STANDARD ACCESSORIES.
2. **Purpose:** To be used in ICU/MOPD 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. **Manufacture of 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 is 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 Endoscopy And Colonoscopy Machine With Standard Accessories will be operated and maintained in the following ambient conditions:

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

15. **Scope of Supply:** 01 (One) complete set of Endoscopy And Colonoscopy Machine With Standard Accessories will have to be supplied with all attachments, accessories etc and complete in all respect for immediate operation.
16. **Technical features /facilities:**

**Subject: High Definition Video Upper GI & Colonoscopy System (Technical specification).**

Ser	Description of Goods	Qty
01	<p><b>Item Name:</b> Video HD Endoscopy Processor and light source with standard accessories.</p> <p><b>Video HD Processor and light source</b>  <b>Technical specification:-</b> Video output : Y/C , DVI, RGB, SYNC, AV</p> <p><b>Image enhancement :</b> E-stressed mucosal morphology or profile for increasing the sharpness of endoscopic images. Profile enhance level has four gears to choose from.</p> <p>a. Light Source : LED</p> <p>b. Dimension ( W X H X D / weight ) : 452 X 167 X456mm/11.5Kg</p> <p>c. Color tone adjustment: "R" , "B" adjustment : +/- 25 steps</p> <p>d. Freeze, save, review: Endoscopy images can be frozen and saved, so that images can be reviewed.</p> <p>e. Gain control: (OFF, 1, 2 and 3)</p> <p>f. Metering mode : Average ; Peak</p>	01 Pc



	g. White balance adjustment: Press the white balance switch to perform the white balance adjustment. h. Voltage: 100 – 240VAC i. Power frequency: 50 Hz /60Hz j. Air flow : 2 steps ( H/L )	
02	Item Name: HD Video Upper GI Scope with standard accessories.  <b>High-Resolution: Video Upper GI Scope Technical specification:-</b>  a. Field of view ( ° ) :140 b. Depth of field (mm) :3~100 c. Tip angulation Up-Down ( ° ) :210-90 d. Tip angulation Left-Right ( ° ) :100-100 e. Distal <b>end</b> diameter (mm) : 9.6 f. Insertion tube diameter (mm) : 9.6 g. <b>Max. insertion portion diameter (mm)</b> : 9.6 Minimum insertion tube channel h. diameter ( mm ) : 2.8 i. Working length (mm) :1050 j. Total length (mm) :1373	01 Pc
03	<b>Item Name: Video HD Colonoscopy</b>  <b>Video HD Colonoscopy Scope standard Accessories Technical specification:-</b>  a. Field of view ( ° ) :140 b. Depth of field (mm) :3~100 c. Tip angulation Up-Down ( ° ) :180-160 d. Tip angulation Left-Right ( ° ) :160-160 e. Distal <b>end</b> diameter (mm) :12.8 f. Insertion tube diameter (mm) :12.8 g. <b>Max. insertion portion diameter (mm)</b> :12.8 h. Minimum insertion tube channel i. diameter ( mm ) :3.7 j. Working length (mm) :1680 k. Total length (mm) :2023	01 Pc
04	Item Name: Leakage Tester No Balloon Tubing	01 Pc
05	Endoscopy Video Printing System: Image Software (Panaroma), Compatible PC(Dell 12th Gen , LCD Monitor 19" (Dell) , Colour Photo Printer ( EPSON L-130).	01 Set
06	Endoscopy Suction Machine 2.5L Bottle, 02 Bottle Capability .	01 Pc
07	Video Endoscopy Trolley: SS, 04 Shelf with Power Connection Socket .	01 Pc
08	a-Si TFT Active Matrix LCD 24" HD Monitor (LMD2435MD) with standard accessories.	01 Pc

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 **Endoscopy And Colonoscopy Machine With Standard Accessories** 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.





18. **Local Training:** The supplier will arrange following training at **BNS PATENGA** free of cost:
- Operational Training: 02 x Operator for 01 week.
  - 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 be supplied along with the offer:
- Operation manual – 03 copies (1 x Original & 2 x Photocopies).
  - Repair/maintenance/service manual including detail circuit/schematic diagram-03 copies (1x Original & 2 Photocopies).
  - 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 be mentioned.
22. **Test, Trial and Acceptance:** The supplier will carry out installation, test and trial of the supplied machine at his own cost. The acceptance of the supplied items will be carried out by **BNS PATENGA** where the supplier's representative will be present. After the satisfactory test/trial, with certificate the acceptance certificate will be given by the **CINS NSD Chattogram**.
23. **Warranty/Guarantee:**
- 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 arises 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).
  - 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 Commanding Officer NSD Chattogram**.
25. **Validity of Offer:** Up to 30 Jun 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 (Original)).
  - FDA/EC Certificate /JIS must be submitted.
  - Manufacturer Authorization Certification for the specific tender (original).
  - Trained Bio Medical Engineer list with update CV.
27. **Users List:** User List in Bangladesh with contract details 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 and 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 **Endoscopy And Colonoscopy Machine With Standard Accessories**. 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.

*Bahum* 12.10.23  
A H M HABIBUR RAHMAN  
Surg Cdr BN  
DDMS (Navy)  
Member Secy  
Dt.

*[Signature]* 12.10.23  
M NADIM CHOWDHURY SAZIB  
DNT (Rep)  
Member  
Dt.

*[Signature]* 12.10.23  
M FAHIM KABIR  
Lt Commn r BN  
DNO (Rep)  
Member  
Dt.

*Wason* 12.10.23  
MD MAHMUDUL HASAN  
Lieutenant BN  
DNT (Rep)  
Member  
Dt.

*[Signature]*  
এম আব্দুল কাদের  
ক্যাপ্টেন বিএন  
পরিচালক ডেপুটি-স্টোরেস  
মৌ সদ্দা, ঢাকা-১২১৩  
DTS  
Member  
Dt. 15-10-23

*[Signature]*  
M GOLAM HOSSAIN  
Commdore BN  
Director of Naval Stores  
DNT  
Member  
Dt.

*[Signature]* 15.10.23  
DMS (Navy)  
President  
Dt.

AHMED RAFI  
Surgeon Commadore BN  
DMS (Navy)  
Naval Headquarters  
Banani, Dhaka-1213