



## Notice Inviting e-Tender

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SUPPLY AND COMMISSIONING OF MEDICAL EQUIPMENTS (SET-II) FOR FORTRAUMA CARE FACILITIES AND BRGF HOSPITALS FOR THE HOSPITALS AND MEDICAL COLLEGES OF THE GOVT. OF WEST BENGAL

(Submission of Bid through *online*)

Bid Reference No.: WBMSCL/NIT- 63/2017

Dated -22.09.2017

The following amendments have been made in the tender document. The changes are highlighted in yellow in the document below,

# 1. TECHNICAL SPECIFICATION

## SCHEDULE – IV

### Upper & Lower G.I. Endoscope (Flexible)

1. Operational Requirements:
  - 1.1. COMPRISING OF 1. VIDEO ENDOSCOPE 2. VIDEO PROCESSOR WITH LIGHT SOURCE 3. FLAT PANEL (LCD) MONITOR 4. DIATHERMY (OEM or other make having US FDA approval) COMPATIBLE WITH THE VIDEOSCOPE. 5. ENDOSCOPE WASHER and STERILIZING SYSTEM(OEM or other make having US FDA approval)
2. Technical Specification:
  - 2.1. Video Upper GI Scope (Diagnostic):
    - 2.1.1. Field of view 140 degree

- 2.1.2. Direction of view Forward viewing
- 2.1.3. Depth of field 5 to 100mm or better
- 2.1.4. Total length - 1365mm or more
- 2.1.5. Working length more than 1000mm
- 2.1.6. Insertion tube outer diameter 9.8 mm or less
- 2.1.7. Distal end diameter 9.8 mm or less
- 2.1.8. Bending section tip deflection
  - 2.1.8.1. Up – 210 degrees
  - 2.1.8.2. Down – 90 to 120 degrees
  - 2.1.8.3. Left - 100 to 120 degrees
  - 2.1.8.4. Right – 100 to 120degrees
- 2.1.9. Instrument channel - Diameter – 2.8 mm or more
- 2.2. Duodenoscope:
  - 2.2.1. Field of view 100 degree
  - 2.2.2. Direction of view 5 deg backward or rear mode
  - 2.2.3. Depth of field 5 to 60 mm
  - 2.2.4. Total length - 1500 mm or more
  - 2.2.5. Working length more than 1000 mm
  - 2.2.6. Insertion tube outer diameter 13 mm or less
  - 2.2.7. Distal end diameter 14 mm or more
  - 2.2.8. Bending section tip deflection
    - 2.2.8.1. Up – 120 degrees or more
    - 2.2.8.2. Down – 90 degrees or more
    - 2.2.8.3. Left - 90 degrees or more
    - 2.2.8.4. Right –100 degrees or more
  - 2.2.9. Instrument channel - Diameter – more than 4mm
- 2.3. Video Colonoscope ( Single Channel):
  - 2.3.1. Field of view 140 degree
  - 2.3.2. Direction of view Forward viewing
  - 2.3.3. Depth of field 3 to 100 mm
  - 2.3.4. Total length - 1900 mm or more
  - 2.3.5. Working length 1600 mm or more
  - 2.3.6. Insertion tube outer diameter 13.5 mm or less
  - 2.3.7. Distal end diameter 13 mm or more
  - 2.3.8. Bending section tip deflection
    - 2.3.8.1. Up – 180 degrees
    - 2.3.8.2. Down –180 degrees
    - 2.3.8.3. Left - 160 degrees
    - 2.3.8.4. Right – 160 degrees

- 2.3.9. Instrument channel - Diameter – more than 3.6mm
- 2.4. Video Colonoscope (Two Channel):
  - 2.4.1. Field of view 140 degree
  - 2.4.2. Direction of view Forward viewing
  - 2.4.3. Depth of field 3 to 100mm or better
  - 2.4.4. Total length - 1600mm to 2100mm
  - 2.4.5. Working length more than 1300 mm to 1750mm
  - 2.4.6. Insertion tube outer diameter 12 to 13mm
  - 2.4.7. Distal end diameter 13 to 14mm
  - 2.4.8. Bending section tip deflection
    - 2.4.8.1. Up – 180 degrees
    - 2.4.8.2. Down –180 degrees
    - 2.4.8.3. Left - 160 degrees
    - 2.4.8.4. Right – 160 degrees
  - 2.4.9. Instrument channels - Diameter – First channel more than 3.6mm/ second channel more than 2.6mm.
- 2.5. Video Processor With Light Source Compatible With The Above Mentioned Videoscope:
  - 2.5.1. Colour system single CCD Colour.
  - 2.5.2. Xenon lamp / LED: 100 – 300 W
  - 2.5.3. Out put for high video image transfer
  - 2.5.4. Convenient digital to digital recording of both still and moving images.
  - 2.5.5. Picture and picture display for any combination of endoscopic images.
  - 2.5.6. Convenient index display for documentation.
  - 2.5.7. Scope ID function for endoscopy suite management.
  - 2.5.8. External devices controls
  - 2.5.9. 1 printer control connector, 2 external device control connectors.
  - 2.5.10. Power supply : 220 – 240V AC
  - 2.5.11. Should include Air feeding & water feeding system with detachable water container.
- 2.6. High Definition medical grade LCD Colour Monitor ( Flat Panel):
  - 2.6.1. Full digital High Definition TV compatible high resolution LCD monitor
  - 2.6.2. LCD Screen 21" or more
  - 2.6.3. Power supply 220 – 240 V AC
  - 2.6.4. Computer connector
  - 2.6.5. Computer, Printer with software for image capture and printing of image with foot switch
  - 2.6.6. Should come with leakage tester

2.7 Endoscopic Trolley/Rack to be supplied

2.8 Cupboard for endoscopes from Indian make reputed company

2.9 The endoscopic systems should be CE and US approved product