



Date: - 18th November, 2019

Corrigendum-2
for
Flexible Video Cystonephroscope with Chip on the
tip for Urological Procedure with high Definition
System with Recording and Trolley for the
Department of Urology

NIT Issue Date	: 17 th June, 2019
NIT No.	: Admn/Tender/135-2/2019-AIIMS.JDH
Pre-Bid Meeting	: 28 th June, 2019 at 05:00 PM
Earlier Last Date of Submission	: 14 th November, 2019 at 03:00 PM
Extended Last Date of Submission	: 28 th November, 2019 at 03:00 PM
Bid opening	: 29 th November, 2019 at 03:15 P.M

The following revised and additional specification will be added:-

1. Page No. 10, In technical specification, Sub Point No. 5):

For

Flexible Video Cysto-Nephroscope (chip on tip)- 3 No's

Read

Flexible Video Cysto-Nephroscope (chip on tip)- 2 No's

2. Page No. 10, In technical specification, Point No. 2, Sub toggle button 1 to last:

For

- A full high definition processor should have resolution of 1920x1080 pixels.
- Should have compatibility for selecting Progressive/Interlaced output
- Should have a USB slot so as to take still pictures of Endoscope images.
- Should have provision for adjusting brightness automatically during to & fro of the scope movements.
- Automatic Image enhancement/IRIS control.
- Picture in Picture display possibility

Read

- A full high definition processor should have resolution of 1920x1080 pixels.
- Should have compatibility for selecting Progressive output
- Should have a USB slot so as to take still pictures of Endoscope images.

- Should have provision for adjusting brightness automatically during to & fro of the scope movements.
- Automatic Image enhancement.
- Picture in Picture display possibility

**3. Page No. 11, In technical specification, Point No. 4, Sub toggle button 1 to last:
For**

- Should have a Dual-Channel full high-definition simultaneous video capturing, recording & editing capability through a touch screen intuitive interface
- Should have minimum 7 inch or more touch screen
- Should have atleast 500 GB internal memory or more
- Should have a feature of real time in-procedure recording capability besides at-the-end procedure DVD burning.
- Such a system should have at least two USB 2.0 ports for connection to external HDD, USB Printer, etc.
- Should support *file formats* for :
Images: Bitmap (BMP), JPEG, Tagged Image File Format (TIFF)

Videos: MPEG-4 AVC/H.264

- System should be capable of integration to the FTP / CIFS / DICOM (C-Store) Servers.

Read

- Should have a Dual-Channel full high-definition simultaneous video capturing, recording & editing capability through a touch screen intuitive interface
- Should have minimum 7-12 inch or more touch screen
- Should have atleast 2-4 TB internal memory or more
- Such a system should have at least two USB 2.0 ports for connection to external HDD, USB Printer, etc.
- Should support *file formats* for :
Images: Bitmap (BMP), JPEG, Tagged Image File Format (TIFF)
Videos: MPEG-4 AVC/H.264

- System should be capable of integration to the FTP / CIFS / DICOM (C-Store) Servers.
- Recording system should be supporting 2D and 3D full HD recording

**4. Page No. 11, In technical specification, Point No. 5, Sub toggle button 1 to last:
For**

Should have following features:

- Should be ready to use after only one plug into HD camera control unit
- Scope should have in built light source located at the hand piece of the scope with no external light cable required
- Should have the latest state of art CMOS technology for image transmission for better resolution of image
- Should be water proof and fully immersible in solution
- Should have a ceramic linear in the distal end of the working channel to protect it from thermal and electro-cautery damage
- The torque ratio should be 1:1, i.e. there should 1 to 1 response of the tip, showing high torque stability
- Should have programmable buttons on the head
- Should have leakage testing port for routine maintenance
- It should adhere to sterilization method with ETO/EFO gas, Steris and Sterrad.

- Should have special filter light for observation of capillary vessels and fine patterns in the superficial layer of mucosa for early detection of lesions,
- High definition CCD chip integrated into the scope tip for superior image quality.
- Direction of view : 0 deg (forward)
- Field of view should be around : 110-120 deg
- Depth of field : 3 - 50 mm
- Insertion tube outer diameter should be around 5 – 6 mm
- Working length of videoscope should be approx. 350 – 400 mm
- Instrument Channel should be around 2 - 3 mm.
- Angulation range : UP 210 Deg or more and Down 120 Deg or more
- Total length of videoscope should be : 640-660mm
- controlled suction port for fast aspirations of fluid and smaller tissue samples
- Ergonomically positioned programmable switches for ease of use
- Should be supplied with all necessary compatible accessories like cleaning brushes ,Forceps, case for the instrument, pressure compensation cap, Leakage tester , Sterilization, cap/ETO Cap

Read:

Should have following features:

- Should be ready to use after only one plug into HD camera control unit
- Scope should have in built light source located at the hand piece of the scope with no external light cable required
- Should have the latest state of art CCD/CMOS technology for image transmission for better resolution of image
- Should be water proof and fully immersible in solution
- Should have a ceramic linear in the distal end of the working channel to protect it from thermal and electro-cautery damage
- The torque ratio should be 1:1, i.e. there should 1 to 1 response of the tip, showing high torque stability
- Should have programmable buttons on the head
- Should have leakage testing port for routine maintenance
- It should adhere to sterilization method with ETO/EFO gas, Steris and Sterrad.
- Facility for special filter light for observation of capillary vessels and fine patterns in the superficial layer of mucosa for early detection of lesions through Flexible Cystoscope/Camera System/Light Source
- Direction of view : 0 deg (forward)
- Field of view should be around : 110-120 deg
- Depth of field : 3 - 50 mm
- Insertion tube outer diameter should be around 5 – 6 mm
- Working length of videoscope should be approx. 350 – 400 mm
- Instrument Channel should be around 2 - 3 mm.
- Angulation range : UP 210 Deg or more and Down 120 Deg or more
- Suction/Irrigation facility should be available
- Ergonomically positioned programmable switches for ease of use
- Should be supplied with all necessary compatible accessories like cleaning brushes ,Forceps, case for the instrument, pressure compensation cap, Leakage tester , Sterilization, cap/ETO Cap

5. Page No. 3, In technical specification (Additional Points), After Toggle Button No. 11:

For:

1. Full high definition 3 Chip CCD/ 3 Chips CMOS Camera head

Read:

1. Full high definition 3 Chip CCD/ 3 Chips CMOS Camera head along with compatible processor for the same.
6. Inbuilt/Separate Light facility with Xenon/LED technology either from Flexible Cystoscope/Camera/Light Source
7. Flexible Video Cysto-Nephroscoposcope- ready to use with existing camera system: It should be deleted

6. Page No. 12, Point No. 10, Sub-Point No. 2

For

All equipment's should be from the same manufacturer, except accessories, which can be from other manufacturer but must be **USFDA** approved.

Read

All equipment's should be from the same manufacturer, except accessories, which can be from other manufacturer but must be **USFDA/European CE** approved