



Date: - 19<sup>th</sup> August, 2019

Corrigendum  
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 <sup>th</sup> June, 2019
NIT No.	: Admn/Tender/135-2/2018-AIIMS.JDH
Pre-Bid Meeting	: 28 <sup>th</sup> June, 2019 at 03:30 PM
Earlier Date of Submission	: 13 <sup>th</sup> August, 2019 at 03:00 PM
Extended Date of Submission	: 29 <sup>th</sup> August, 2019 at 03:00 PM
Bid opening	: 30 <sup>th</sup> August, 2019 at 03:15 P.M

The following revised and additional specification will be added:-

1. Page No. 1, In technical specification, After Toggle Button No. 1):

**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. 1, In technical specification, Toggle Button No. 2:

**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

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- 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. 1, In technical specification, Toggle Button No. 5 :

#### 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. 1, In technical specification, Toggle Button No. 6 :

#### For

Should have following features:

- Should be ready to use after only one plug into (existing) 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 defintion 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
- Distal end outer diameter should be around 2.5- 2.8 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
- Single finger 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

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**5. Page No. 2, In technical specification , After Toggle Button No. 5:**

**For:**

Should have following features:

- Should be ready to use after only one plug into (existing) HD camera control unit
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- Should have the latest state of art CMOS technology for image transmission for better resolution of image
- 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 : forward viewing (0 degree)

- Depth of field : 1.5-50mm
- Field of view should be around : 80-90 deg
- Insertion tube Distal end outer diameter –6 Fr to 8.5 Fr
- Insertion tube outer diameter: 8.4 to 9.9 Fr
- Angulation range : Up 270° & Down 270°
- Instrument Inner channel diameter : 3 - 4 Fr
- Working length of videoscope should be approx. : 650-700mm
- Total length of videoscope should be approx.. : 950-990mm
- 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
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**6. 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. Autoclavable Full high definition 3 Chip CCD/ 3 Chips CMOS Camera head