



Date: - 26<sup>th</sup> September 2016

## Corrigendum

for

### Equipments required for Department of Obstetrics & Gynecology

NIT Issue Date	:	21 <sup>st</sup> July 2016.
NIT No.	:	Admn/Tender/OBG/2016-AIIMS.JDH
Pre Bid Meeting held on	:	08 <sup>th</sup> August, 2016 at 03:00 PM
Extended Last Date of Submission	:	29 <sup>th</sup> September, 2016 at 03:00 PM
Revised Last Date of Submission	:	14 <sup>th</sup> October, 2016 at 03:00 PM

#### 1. The following revised and additional specification will be added:-

##### 1. Page No. 02, Chapter-I, Name of equipments, S.no. 2.c:

**For**

Ultrasonic Cutting Device

**Read**

Ultrasonic Cutting Device & Vessel Sealing System

##### 2. Page No. 10, b. Centrifuge Machine, Point No. a):

**For**

Maximum speed of 4000 rpm

**Read**

Maximum speed of 4000 rpm or more

##### 3. Page No. 10, c. Laminar Air Flow, Point No. b):

**For**

Class 100 environment, fully operated inn plc with touch TFT display.

**Read**

Class 100 environment, fully operated inn plc with touch TFT/Button operated LCD/LED display.

##### 4. Page No. 10, c. Laminar Air Flow, Point No. f):

**For**

2'X2'X 2' with S.S. top , horizontal/ vertical, 0.33 microns

**Read**

4feet X 2 feet X 2 feet with S.S. top , horizontal/ vertical, 0.33 microns

##### 5. Page No. 10, c. Laminar Air Flow, Point No. g):

**For**

HEPA filters, UV LIGHT

**Read**

ULPA filters/ HEPA filters, UV LIGHT

**6. Page No. 10, In Laparoscopic Hand Instruments & Accessories, in heading:**

**For**

LAPAROSCOPIC HAND INSTRUMENTS & ACCESSORIES

**Read**

LAPAROSCOPIC HAND INSTRUMENTS

**7. Page No. 10, In Laparoscopic Hand Instruments & Accessories, Point no. 2:**

**For**

**Reusable Trocar:-** 5/5.5mm – Multifunctional valve , insufflation stopcock and threaded sleeves, pyramidal tip, length (10.5cm) ,Flapper valve - 4 nos

**Read**

**Reusable Trocar:-** 5/5.5mm – Multifunctional valve , insufflation stopcock pyramidal tip, length (10.5cm) ,Flapper valve - 4 nos

**8. Page No. 10, In Laparoscopic Hand Instruments & Accessories, Point no. 3:**

**For**

**Reusable Trocar:** - 10/11mm & 12/13 mm-Multifunctional valve, insufflation stopcock and, pyramidal tip, length (10.5cm/11) Flapper valve - 4 each

**Read**

**Reusable Trocar:** - 10/11mm & 12/13 mm-Multifunctional valve, insufflation stopcock , pyramidal tip, length (10.5cm/11) Flapper valve - 2 each

**9. Page No. 10, In Laparoscopic Hand Instruments & Accessories, Point no. 4:**

**For**

**Trocar Under Optical Vision:** trocar with visual tip size: 10/11mm, cannula rotatable with multifunction valve, working length: 11cm. The visual tip cannula should compatible with 10mm telescope for under vision entry into peritoneum- 2 no

**Read**

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**10. Page No. 11, In Laparoscopic Hand Instruments & Accessories, Point no. 5:**

**For**

**Suction and Irrigation cannula-**Size 5mm & 10 mm, length 33-36cm, used with suction and irrigation handle, Reusable suction irrigation tubing set, Multifunction suction irrigation handle with provision for using 5/10mm diameter auxiliary instruments - 2 each

**Read**

**Suction and Irrigation cannula-**Size 5mm & 10 mm, length 33-36cm, - 1 each

**11. Page No. 11, In Laparoscopic Hand Instruments & Accessories, Point no. 6:**

**For**

**Grasping forceps curved** - toothed 2x4 teeth-2 each-Double action jaws, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, size 10mm - 2 each( 5 & 10mm)

**Read**

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**12. Page No. 11, In Laparoscopic Hand Instruments & Accessories, Point no. 7:**

**For**

**Grasping forceps straight-** toothed 2x3 teeth-Double action jaws, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, size 10mm - 2 each(5 & 10 mm)

**Read**

**Grasping forceps straight-** toothed 2x3 teeth-Double action jaws, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, - 2 each(5 mm)

**13. Page No. 11, In Laparoscopic Hand Instruments & Accessories, Point no. 8 to 16:**

**For**

8. **Maryland forceps**-Double action jaws, rotating with connector pin for unipolar coagulation, size 5mm,length 33-36cm, dismantling facility - 2 nos
9. **Grasping forceps-Atraumatic**-Double action jaws, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility - 2nos
10. **Crochet's Grasping Forceps Atraumatic** – Single Action jaw, rotating, size 5 mm, length 33 – 36 cm, dismantling facility – 2 nos
11. **Grasping forceps-Allis**-Double action jaws, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility - 2nos
12. **Grasping forceps Mixer**-Double action jaws, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility - 2nos
13. **Bowel Grasping Foceps Fenestrated - Atraumatic Serrations**-Double action jaws, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility - 2nos
14. **Grasping forceps-Babcock**-Double action jaws, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, size 5mm &-10 mm - 2 each
15. **Fan shaped retractor**-Rotating, size 5mm, length 33-36cm, dismantling facility - 2nos
16. **Hook Scissors**- rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility- 2nos

**Read**

8. **Maryland forceps**-Double action jaws, rotating with connector pin for unipolar **coagulation**, size 5mm,length 33-36cm, dismantling facility - 1 nos
9. **Grasping forceps-Atraumatic**-Double action jaws, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility – 1nos
10. **Crochet's Grasping Forceps Atraumatic** – Single Action jaw, rotating, size 5 mm, length 33 – 36 cm, dismantling facility – 1 nos
11. **Grasping forceps-Allis**-Double action jaws, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility - 1nos
12. **Grasping forceps Mixer**-Double action jaws, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility - 1nos
13. **Bowel Grasping Foceps Fenestrated - Atraumatic Serrations**-Double action jaws, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility - 1nos
14. **Grasping forceps-Babcock**-Double action jaws, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, size 5mm &-10 mm - 1 each
15. **Fan shaped retractor**-Rotating, size 5mm, length 33-36cm, dismantling facility - 1nos

16. **Hook Scissors**- rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility- 1nos

**14. Page No. 11, In Laparoscopic Hand Instruments & Accessories, Point no. 17:**

**For**

**Rotating Metzenbaum Scissors**-Double action jaws, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility – size 5mm 2nos & 10mm -1 no

**Read**

**Rotating Metzenbaum Scissors**-Double action jaws, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility – size 5mm 2nos

**15. Page No. 11, In Laparoscopic Hand Instruments & Accessories, Point no. 19 and 20:**

**For**

**Bipolar Insert Only:** bipolar grasping insert only, robust type to fit with main bipolar forceps – 1 no

**Bipolar Coagulating forceps** - Size 5mm, length 36cm, 3mm width of jaws -2 nos

**Read**

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**16. Page No. 12, In Laparoscopic Hand Instruments & Accessories, Point no. 21, 22 and 25:**

**For**

**High Frequency Cord**-For 5mm & 10mm hand instruments with Monopolar Electrodes, spatula tip, needle electrode- 2 each

**High Frequency Cord**-For 5mm & 10mm hand instruments with Monopolar Electrodes, hook tip, knife electrode - 2 each

**Claw Forceps** – 10 mm & 5mm claw forcep 2x3 teeth short with ratchet – 2 each

**Read**

**High Frequency Cord**-For use with 5mm & 10mm hand instruments with Monopolar Electrodes- 1 no

**High Frequency Cord**-For use 5mm & 10mm hand instruments with Bipolar Electrodes - 1no

**Claw Forceps** – 10 mm & 5mm claw forcep 2x3 teeth short with ratchet – 1 each

**17. Page No. 12, In Laparoscopic Hand Instruments & Accessories, Point no. 27:**

**For**

**Clip Applicator- Large-Rotatable**, Provision for locking the shaft conveniently, 10mm, compatible with clip LT 400, 2 quoted with adequate no. of spare clip (Minimum of 100 clips)- 1 no

**Read**

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**18. Page No. 12, In Laparoscopic Hand Instruments & Accessories, Point no. 28, 29,31 and 32:**

**For**

**Hassan cone** - Adaptable to 10mm/11 trocar- 2nos

**Blunt Obturator**-For 11mm port-From 10/11 mm to 5mm & 5 to 3 mm - 2nos

**L-Hook**-Size 5mm, length 33-36cm with pin for cautery- 2nos

**Spatula**-Size 5mm, length 33-36cm with pin for cautery - 2nos

**Read**

**Hassan cone** - Adaptable to 10mm/11 trocar- 1nos

**Blunt Obturator**-For 11mm port-From 10/11 mm to 5mm & 5 to 3 mm - 1nos

**L-Hook**-Size 5mm, length 33-36cm with pin for cautery- 1nos

**Spatula**-Size 5mm, length 33-36cm with pin for cautery - 1nos

**19. Page No. 12, In Laparoscopic Hand Instruments & Accessories, Point no. 33,35,36,38,39 and 41 with accessories:**

**For**

**Fascia closure instrument**-Size 2.8mm, length 17cm - 2nos

**Metzenbaum scissors**-High performance with bipolar cautery - 2nos

**Disposable extraction** bags of any international brand, minimum 10 Nos.

**Myoma screw**-5 mm, 33-36 cms length, 10mm - 2 nos

**Uterine Manipulator**- mobilization of uterus, indentification of vaginal fornices and sealing of vagina during hysterectomy – 2 nos

**Power morcellator**-With cutting sleeve and protective sleeve along with spare knife (Fully autoclavable) – 1 no

**Morcellator with accessories**

- a. Electronic Drive unit with motor for use with morcellator
- b. Morcellator tube serrated edge
- c. Atraumatic trocar sleeve with pyramidal trocar 12mm
- d. Claw forceps insert 2 x 3 teeth
- e. Insulated sheath
- f. Laproscopic Bag
- g. Insulated handle with HF connection rotating with ratchet
- h. High frequency monopolar cables-For above auxiliary instruments.
- i. High frequency bipolar cables-For above auxillary instruments

**Read**

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**20. Page No. 12, In Laparoscopic Hand Instruments & Accessories, Point no. 34, 37 and 40:**

**For**

Washers-For 5 & 10 mm cannula and reducers - 100 each

**Injection and puncture canula**-5 mm diameter, 33-36cms length with luer lock - 2 nos

**HF Needle electrode** for splitting & coagulation, insulated with connection pin for unipolar coagulation, working length – 31-33cm

**Read**

Washers-For 5 & 10 mm cannula and reducers - 10 each

**Injection and puncture canula**-5 mm diameter, 33-36cms length with luer lock - 1 nos

**HF Needle electrode** for splitting & coagulation, insulated with connection pin for unipolar coagulation, working length – 31-33cm – 1 no

**21. Page No. 12, In Laparoscopic Hand Instruments & Accessories, After Morcellator with accessories:**

**ADDED ACCESSORIES**

1. **Disposable extraction** bags of any international brand, minimum 10 Nos.
2. **Fascia Closure instrument**- size 2.8 mm, length 17 cm – 1 no
3. **Uterine Manipulator**- mobilization of uterus, indentification of vaginal fornices and sealing of vagina during hysterectomy – 1 nos

4. **Clip Applicator- Large-Rotatable**, Provision for locking the shaft conveniently, 10mm, compatible with clip LT 400, 2 quoted with adequate no. of spare clip (Minimum of 100 clips)- 1 no
5. **Power morcellator**-With cutting sleeve and protective sleeve along with spare knife (Fully autoclavable) – 1 no

**Note: Items listed under accessories can be from different manufacturer.**

**Morcellator with accessories**

- a. Electronic Drive unit with motor for use with morcellator
- b. Morcellator tube serrated edge
- c. Atraumatic trocar sleeve with pyramidal trocar 12mm
- d. Claw forceps insert 2 x 3 teeth
- e. Insulated sheath
- f. Laproscopic Bag - 20
- g. Insulated handle with HF connection rotating with ratchet

**Note: Items listed under accessories may be from different manufacturer**

**22. Page No. 12, In Laparoscopic Hand Instruments & Accessories, after Morcellator with accessories, Point no. 01 and 02:**

**For**

**STERILIZATION/DISINFECTION TRAY: DISINFECTION/STERILIZATION STAINLESS STEEL TRAY OF STEEL GRADE 304 WITH SIEVE TRAY TO LIFT. SIZE: 27”X7”X5”(LXBXD) – 1 nos**

**SUITABLE AUTOCLAVABLE PLASTIC TRAY DOUBLE TRAY FOR STERILIZATION AND STORAGE FOR HAND INSTRUMENTS: OF MINIMUM 20 HAND INSTRUMENTS PREFERABLY FROM OEM- 1 no**

**Read**

**STERILIZATION/DISINFECTION TRAY: DISINFECTION/STERILIZATION STAINLESS STEEL TRAY OF STEEL GRADE 304 WITH SIEVE TRAY TO LIFT. SIZE: 27”X7”X5”(LXBXD) – 3 nos**

**SUITABLE AUTOCLAVABLE PLASTIC TRAY DOUBLE TRAY FOR STERILIZATION AND STORAGE FOR HAND INSTRUMENTS: OF MINIMUM 20 HAND INSTRUMENTS PREFERABLY FROM OEM- 3 no**

**23. Page No. 12, In Laparoscopic Hand Instruments & Accessories, CO2 INSUFFLATOR – Quantity 1, Toggle no. 01 and 06:**

**For**

High flow with LCD display  
Integrated Gas heating

**Read**

High flow with LCD/LED display  
Internal/ external Gas heating

**24. Page No. 14, In Laparoscopic Hand Instruments & Accessories, last para.**

**For**

The core Operating instruments like Telescopes, hand instruments , HD Monitor, Light source, Camera control unit, Hand instruments(bipolar forceps, unipolar forceps, HF needle etc.) fiber optic cable, should preferably be from single manufacturer for system compatibility & for highest performance

**Read**

The core Operating instruments like Telescopes, hand instruments , HD Monitor, Light source, Camera control unit, Hand instruments(bipolar forceps, unipolar forceps, HF needle etc.) fiber optic cable, should preferably be from single manufacturer for system compatibility & for highest performance. However items listed under Accessories may be from different manufacturer.

**25. Page No. 14, In High Definition camera system for Endoscopic Surgery with advance recording and data management facility, Toggle no. 01:**

**For**

USB Port for Capturing FULL HD Videos/ HD Stills in External USB drive and direct interface of USB Printer to facilitate direct printouts.

**Read**

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**26. Page No. 14, In High Definition camera system for Endoscopic Surgery with advance recording and data management facility, Toggle no. 03:**

**For**

- System should have facility to offer various visualization modes for surgery and diagnosis by shifting the color spectrum like **BLUE & GREEN** light for recognition of the finest tissue structures and their differentiation.-

**Read**

- System should have facility to offer various visualization modes for surgery and recognition of the finest tissue structures and their differentiation and intraoperative perfusion assessment of tissues by fluorescence imaging.-

**27. Page No. 14, In High Definition camera system for Endoscopic Surgery with advance recording and data management facility, Toggle no. 06:**

**For**

All camera functions to be controlled from camera head buttons and through key board-at camera control unit to make it controllable from both sterile and non sterile zone.

**Read**

All camera functions to be controlled from camera head buttons and through key board/ touch screen -at camera control unit to make it controllable from both sterile and non sterile zone.

**28. Page No. 14, In High Definition camera system for Endoscopic Surgery with advance recording and data management facility, Technical Specifications, Toggle no. 04:**

**For**

Lens: Integrated Zoom Lens f = 15-31 mm (2x optical zoom)

**Read**

Lens: Integrated Zoom Lens f = 15/16-31/32 mm (1.8 - 2x optical zoom)

**29. Page No. 14, In High Definition camera system for Endoscopic Surgery with advance recording and data management facility, Technical Specifications, Toggle no. 08:**

**For**

2 x DVI-D output, 1 x 3G-SDI output, 3 x camera input for communication with compatible camera modules, LAN connection, 4 x US connection (2 x front, 2 back).

**Read**

1 or 2 x DVI-D output, 1 x 3G-SDI output and as per the requirement of camera & monitor

**30. Page No. 14, In High Definition camera system for Endoscopic Surgery with advance recording and data management facility, Technical Specifications, Toggle no. 09:**

**For**

Input: Keyboard input for character generator. 5- pole DIN socket.

**Read**

Input: Keyboard input for character generator. 5- pole DIN socket or touch screen

**31. Page No. 15, In High Definition camera system for Endoscopic Surgery with advance recording and data management facility, B.HIGH DEFINITION MEDICAL GRADE MONITOR, Toggle no. 12:**

**For**

Screen Dimensions: 643 x 396 x 87mm

**Read**

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**32. Page No. 15, In High Definition camera system for Endoscopic Surgery with advance recording and data management facility, C.IMAGE MANAGEMENT SYSTEM AND DATA DOCUMENTATION, Para no. 01:**

**For**

The Full High-Definition Documentation System (certified to be used in OT) should be based on Windows 7 or higher embedded platform with Integrated security software as a protection against malware, independent from security patches of the operating system and it should only be possible to run certified software (for security purposes) designed specifically for recording, managing, and archiving surgical images and video in native full HD resolution.

**Read**

The Full High-Definition Documentation System designed specifically for recording, managing, and archiving surgical images and video in native full HD resolution.

**33. Page No. 15, In High Definition camera system for Endoscopic Surgery with advance recording and data management facility, C.IMAGE MANAGEMENT SYSTEM AND DATA DOCUMENTATION, Para no. 03, 04 and 05:**

**For**

It should have Integrated surgical checklist following the WHO standard or customizable.

System should have SSD-technology (Separate SSD for boot up) in order to boot fast,

System should have i7 processor with speed of at least 3.4 GHz. With 8 GB or more RAM for fast processing of dual channel, HD recording,

System should have 2 DVI inputs for dual video recording.

**Read**

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**34. Page No. 15, In High Definition camera system for Endoscopic Surgery with advance recording and data management facility, In heading, LED Light Source Qty-**

**For**

LED Light Source Qty-1

**Read**

Light Source ( LED/ XENON)- Qty 1

**35. Page No. 15, In High Definition camera system for Endoscopic Surgery with advance recording and data management facility, In heading, LED Light Source Qty-, line no. 01:**

**For**

220 Volts , 300 watts or more

**Read**

300 watts or more

- 36. Page No. 15, In High Definition camera system for Endoscopic Surgery with advance recording and data management facility, In heading, LED Light Source Qty-, Toggle no. 05:**  
**For**  
More than 5000 Hours bulb life  
**Read**  
More than 500 Hours bulb life (five extra bulbs to be supplied)
- 37. Page No. 16, In High Definition camera system for Endoscopic Surgery with advance recording and data management facility, D. TELESCOPE, Toggle no. 05;**  
**For**  
Angle of view 0 degree – 1 no  
**Read**  
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- 38. Page No. 16, Ultrasonic Cutting Device , c.:**  
**For**  
Technical Specification of Combined Generator for Ultrasonic Cutting and Coagulation and advanced RF Energy device for Open and Laparoscopic Surgery  
**Read**  
Technical Specification of Generator for Ultrasonic Cutting and Coagulation and advanced RF Energy device for Open and Laparoscopic Surgery
- 39. Page No. 16, In Ultrasonic Cutting Devices, Toggle button no. 06:**  
**For**  
System should have the ability for software updates via USB memory stick.  
**Read:**  
System should have the ability for software updates via USB/ memory stick/LAN/ HDMI Ports
- 40. Page No. 16, In Ultrasonic Cutting Devices, Toggle button no. 07:**  
**For**  
System should be a single generator that provides Ultrasonic energy and Advanced RF energy technology for dessication and vessel sealing  
**Read**  
System should be a generator that provides Ultrasonic energy and Advanced RF energy technology for soft tissue dessication and seal vessel upto 7 mm
- 41. Page No. 16, In Ultrasonic Cutting Devices, Toggle button no. 08:**  
**For**  
RF energy technology for soft tissue dissection and vessel sealing  
**Read**  
Deleted
- 42. Page No. 16, In Ultrasonic Cutting Devices, in heading:**  
**For**  
Ultrasonic Cutting Device  
**Read**  
Ultrasonic Cutting Device & Vessel Sealing System
- 43. Page No. 17, In Ultrasonic Cutting Devices, Toggle button no. 20:**  
**For**  
System should be able to power ultrasonic energy instruments with 55.5 7 KHz frequency. and have the ability to power ultrasonic energy instruments in the frequency range of 30-80 KHz in future

**Read**

System should be able to power ultrasonic energy instruments with 45 – 57 KHz frequency.

**44. Page No. 17, In Ultrasonic Cutting Devices, Toggle button no. 23:****For**

System should be compatible with both 5mm and 10mm instruments.

**Read**

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**45. Page No. 17, In Ultrasonic Cutting Devices, Toggle button no. 24:****For**

System should have at least 5 power settings levels with power level display for ultrasonic energy instruments.

**Read**

System should have various power settings levels with power level display for ultrasonic energy instruments.

**46. Page No. 17, In Ultrasonic Cutting Devices, Toggle button no. 27:****For**

System should be equipped with advanced RF energy technology that can simultaneously seal and transect vessels up to and including 7mm, large tissue pedicles and vascular bundles.

**Read**

System should be equipped to simultaneously seal and transect vessels up to and including 5mm, large tissue pedicles and vascular bundles.

**47. Page No. 17, In Ultrasonic Cutting Devices, Toggle button no. 28:****For**

System should be equipped with advanced RF energy technology that provides temperature controlled energy delivery which should maintain tissue temperature approximately at 100 degree Celsius.

**Read**

System should be equipped with advanced RF energy technology that provides temperature controlled energy delivery.

**48. Page No. 17, In Ultrasonic Cutting Devices, Toggle button no. 31:****For**

System should have Advanced RF Energy hand instruments that provide tissue /vessel seal strength to withstand bursting pressure of 7 times the systolic pressure.

**Read**

System should have Advanced RF Energy hand instruments that provide tissue /vessel seal strength to withstand bursting pressure of minimum 5 times the systolic pressure.

**49. Page No. 17, In Ultrasonic Cutting Devices, Toggle button no. 33:****For**

System should be able to power advanced RF energy hand instruments of 5mm shaft diameter for both open & laparoscopic procedures with round tip (5mm tip width) in the following shaft lengths (14cm, 25cm , 35cm & 45cm) and should be both hand & foot activated.

**Read**

System should be able to power advanced RF energy hand instruments of 5mm shaft diameter for both open & laparoscopic procedures with round tip (5mm tip width) in the following shaft lengths (13 mm – 48 mm) and should be both hand & foot activated.

**50. Page No. 17, In Ultrasonic Cutting Devices, Toggle button no. 33:**

**For**

System should be USFDA or European CE approved.

**Read**

System should be USFDA and European CE approved.

**51. Page No. 17, In Ultrasonic Cutting Devices, Open Surgery Instruments: Point no. 1:****For**

9cm shaft, curved, tapered tip for precise dissection, seals 5 mm vessels, as well as lymphatic with 16 mm active blade & 240-degree activation, triggers support multiple hand positions.

**Read**

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**52. Page No. 17, In Ultrasonic Cutting Devices, Open Surgery Instruments: Point no. 2:****For**

17cm shaft, curved, tapered tip for precise dissection, seals 5 mm vessels, as well as lymphatic with 16 mm active blade & 240-degree activation, triggers support multiple hand positions.

**Read**

17cm – 20 cm long shaft, curved/ straight tip for precise dissection, seals 5 mm vessels or more, triggers support multiple hand positions.

**53. Page No. 17, In Ultrasonic Cutting Devices, Open Surgery Instruments: Point no. 3:****For**

5mm Hand Activated Curved Coagulating Shears capable of sealing blood vessels upto 5mm in diameter, 23 cm shaft length, ergonomic handle

**Read**

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**54. Page No. 18, In Ultrasonic Cutting Devices, Open Surgery Instruments: Point no. 5:****For**

Dissecting Hook having telescoping shaft (10cm-14cm) with integrated hand activation control buttons.

**Read**

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**55. Page No. 18, In Ultrasonic Cutting Devices, Open Surgery Instruments: Point no. 7:****For**

Combination Hook Blade, 10cm long.

**Read**

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**56. Page No. 18, In Ultrasonic Cutting Devices, Laparoscopic Surgery Instruments: Point no. 1:****For**

5mm Lap Hand Activated Curved Coagulating Shears capable of sealing blood vessels upto 5mm in diameter, 36 cm and 45 cm shaft length, ergonomic handle.

**Read**

5mm Lap Hand or Foot Activated Curved/ straight Coagulating instruments capable of sealing blood vessels upto 5mm in diameter, 35- 36 shaft length, ergonomic handle.

**57. Page No. 18, In Ultrasonic Cutting Devices, Laparoscopic Surgery Instruments: Point no. 2:****For**

5mm Lap Dissecting Hook, 32 cm long.

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**58. Page No. 18, In Ultrasonic Cutting Devices, System should comprise of the following, Accessories, Point no. 2:**

**For**  
Handpiece (Blue)  
**Read**  
Handpiece

**59. Page No. 18, In Ultrasonic Cutting Devices, System should comprise of the following, Accessories, Point no. 4:**

**For**  
Adaptors for ultrasonic and advanced RF energy instruments  
**Read**  
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**60. Page No. 18, 3. COMPACT OFFICE HYSTEROSCOPY SET, C. CONTROLLED IRRIGATION UNIT FOR HYSTEROSCOPY:**

**For**  
IRRIGATION AND SUCTION DEVICE:  
**Read**  
IRRIGATION:

**61. Page No. 18, 3. COMPACT OFFICE HYSTEROSCOPY SET , C. CONTROLLED IRRIGATION UNIT FOR HYSTEROSCOPY:**

**For**  
CONTROLLED IRRIGATION AND SUCTION UNIT FOR OPERATING HYSTEROSCOPE AND TCRE PROCEDURE TO MAINTAIN INTRAUTERINE CAVITY PRESSURE AS DESIRABLE BY SURGEON. PRESSURE OF IRRIGATION TO BE MAINTAINED BETWEEN:  
(PRESSURE 0-200mmHg). FLOW TO BE MAINTAINED BETWEEN: (& Flow between 0-500ml/L.)

**Read**  
CONTROLLED IRRIGATION UNIT FOR OPERATING HYSTEROSCOPE TO MAINTAIN INTRAUTERINE CAVITY PRESSURE AS DESIRABLE BY SURGEON. PRESSURE OF IRRIGATION TO BE MAINTAINED BETWEEN:  
(PRESSURE 0-200mmHg). FLOW TO BE MAINTAINED BETWEEN: (& Flow between 0-500ml/L.)

**62. Page No. 18, 3. COMPACT OFFICE HYSTEROSCOPY SET , C. CONTROLLED IRRIGATION UNIT FOR HYSTEROSCOPY:**

**For**  
SUCTION PRESSURE TO BE MAINTAINED BETWEEN: Suction controlled pressure between 0-(-50kPa) Should have foot switch for controlling various functions consisting of: MAIN UNIT WITH DIGITAL DISPLAY, PUMP HEAD, INDICATOR AND PRESET AND ACTUAL VALUE FOR PRESSURE, FLOW, SUCTION WITH SENSOR ATTACHMENT FOR REUSABLE DOME.

**Read**  
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**63. Page No. 19, 3. COMPACT OFFICE HYSTEROSCOPY SET, d COMPACT COMBINED UNIT FOR CAMERA, LIGHT SOURCE , MONITOR AND USB RECORDING COMPACT ENDOVISION CAMERA SYSTEM, Para 03:**

**For**

Should have Six USB ports and an SD card slot for documentation purpose.

**Read**

Should have two to six USB ports and SD Card slot for documentation purpose.

**64. Page No. 19, 3. COMPACT OFFICE HYSTEROSCOPY SET, d COMPACT COMBINED UNIT FOR CAMERA, LIGHT SOURCE , MONITOR AND USB RECORDING COMPACT ENDOVISION CAMERA SYSTEM:**

**For**

Flexible storage options - SD slot for high storage capacity - USB ports for external hard drives and USB sticks

**Read**

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**65. Page No. 19, 3. COMPACT OFFICE HYSTEROSCOPY SET, d COMPACT COMBINED UNIT FOR CAMERA, LIGHT SOURCE , MONITOR AND USB RECORDING COMPACT ENDOVISION CAMERA SYSTEM:**

**For**

Easy and reliable control - Should have Membrane keyboard, suitable for wipe-down disinfection - Hot keys for rapid and direct manipulation - Arrow buttons for intuitive control. - Connection socket for pedal control without lag time

**Read**

Easy and reliable control - Should have keyboard with hot keys for rapid and direct manipulation - Arrow buttons for intuitive control.

**66. Page No. 19, 3. COMPACT OFFICE HYSTEROSCOPY SET, d COMPACT COMBINED UNIT FOR CAMERA, LIGHT SOURCE , MONITOR AND USB RECORDING COMPACT ENDOVISION CAMERA SYSTEM:**

**For**

Natural illumination - Metal halide Hi-Lux 50 Watt high-performance -light source - Color temperature of 5700 K - similar to daylight - Should have Long lamp life

**Read**

Natural illumination - Metal halide Hi-Lux 50 Watt/ 150 Watt LED high-performance -light source - Color temperature similar to daylight - Should have Long lamp life

**67. Page No. 19 and 20, 3. COMPACT OFFICE HYSTEROSCOPY SET, f ADVANCE AUDIO VIDEO RECORDING AND DATA DOCUMENTATION:**

**For**

The Full High-Definition Documentation System (certified to be used in OT) should be based on Windows 7 embedded platform with Integrated security software as a protection against malware, independent from security patches of the operating system and it should only be possible to run certified software (for security purposes) designed specifically for recording, managing, and archiving surgical images and video in native full HD resolution and 3D. The captured full high-definition, 3D images & videos can be accessed from the hard drive for

printing or saving onto multiple forms of external media which includes CD-DVD and blue ray reader, USB Flash Drive (2.0 & 3.0) & Hospital network through FTP.

It should have Integrated surgical checklist following the WHO standard or customizable.

System should have SSD-technology (Separate SSD for boot up) in order to boot fast,

System should have i7 processor with speed of at least 3.4 GHz. With 8 GB or more RAM for fast processing of dual channel, HD & 3D recording.

System should have 2 DVI inputs for dual video recording.

The hardware of computer system should be latest technology. It should have built in touch screen.

12-14'' or more.

ALL ITEM SHOULD BE EUROPEAN CE or USFDA CERTIFIED PRODUCT. 4

### **Read**

The Full High-Definition Documentation System (certified to be used in OT) designed specifically for recording, managing, and archiving surgical images and video in native full HD resolution. The captured full high-definition, images & videos can be accessed from the hard drive for printing or saving onto multiple forms of external media which includes CD-DVD, USB Flash Drive (2.0 & 3.0) & Hospital network through FTP.

System should have 2 DVI inputs for dual video recording.

The hardware of computer system should be latest technology. It should have built in touch screen.

ALL ITEM SHOULD BE EUROPEAN CE or USFDA CERTIFIED PRODUCT. 4

## **68. Page No 21, Instruments for Department (for OPD, and OT etc), Specifications, point 2.**

### **For**

The Instruments should have European CE or USFDA certification.

### **Read**

The Instruments should have European CE or USFDA certification, except SS Drum and Instrument Trolley

**Administrative Officer  
AIIMS, Jodhpur**