

## **Amendment No.1**

**Date: 11/01/2014**

**Subject: Amendment to the tender Enquiry Document**

**Ref:Tender Enquiry No.: HLL/PCD/PMSSY/AIIMS-II/08/13-14 dated 19/12/2013**

The pre-bid meeting for the referred tender enquiry was held on 26/12/2013. Based on pre-bid discussions following amendments are being incorporated in the referred tender enquiry document.

### **Section – VII** **Technical Specifications**

#### **Schedule No: 1**

#### **Multipurpose electro hydraulic with manual override mobile Table with divided leg section suitable for all major surgical procedures, complete with 5cm mattress and corded handset.**

**1. Existing Specification:**

Para: Para A 3: Removable head and leg sections to suit different applications, **with cassette tunnel.**

**Read As:**

Para: Para A 3: Removable head and leg sections to suit different applications.

**2. Existing Specification:**

Para C9: Leg section adjustment: **+50 deg; to -110 deg**

**Read as:**

Para C9: Leg section adjustment: **+10 deg; to -90 deg**

**3. Existing Specification:**

Para: C 27: **X Ray cassette tray with pushing rod- 1**

**Read as:**

Para: C 27: **Clamp for locking X Ray cassette -1**

#### **Schedule No: 2** **Specifications for Electro Surgical Unit (ESU)**

**Existing Specification:**

Para: 3.1: Integrated touch screen system with 350W output generator for monopolar cut, 120Watt for monopolar coagulation, bipolar cut 150Watt and Bipolar coagulation 120Watt and vessel sealing system for open and laparoscopic surgery

**Read as:**

Para: 3.1: **Integrated LCD display with touch screen/touch button facility with 300W output generator for monopolar cut**, 120Watt for monopolar coagulation, bipolar cut 150Watt and Bipolar coagulation 120Watt and **vessel sealing system for sealing vessels upto 6 - 7mm.**

**Schedule No: 3**  
**SURGICAL MICROMOTOR SYSTEM**

**1. Existing Specification:**

Para: 2. (a) Oscillating Saw, Sagittal Saw & Reciprocating Saw attachment - Speed above 15,000 rpm - 50 blades each for all three attachments

**Read as:**

Para: 2. (a) **Separate hand pieces of Micro saw's i.e: sagittal Saw, Reciprocating , Oscillating drill CPM limits should be provided. CPM limits should be 15000 cpm or more for each of the drill types and 50 blades for each of the three attachments.**

**2. Existing Specification:**

Para: 2. (b) Drill attachment, straight and angled, long & short.

**Read as:**

Para: 2. (b) Drill attachment **for cutting burrs and polishing burrs of size 1-6mm to be provided**, straight & angled, long & short – 2 each

**Schedule No: 5**  
**Specifications for Laparoscopic Surgery Set with High Definition Camera**

**1. Added Para:**

**The core operating Laparoscope telescopes, endovision three chip HD camera with console, light source, CO2 insufflator should be from same manufacturer.**

**2. Existing Specification:**

Para: 3.1 e. The system should have **digital zoom** to enhance the quality of image size & cross speciality standardization of the camera system, regardless of the telescope used.

**Read as:**

Para: 3.1 e. The system should have **digital zoom and/or integrated optical zoom with auto focus** to enhance the quality of image size & cross speciality standardization of the camera system, regardless of the telescope used.

**3. Existing Specification:**

Para 3.1 f): System should have integrated Optical Zooming facility with autofocus to enhance image size.

**Read as:**

**Deleted.**

**4. Existing Specification:**

Para: Technical Specification: a: Image Sensor:3 x 1/3 Progressive scan CCD Chip

**Read as:**

Para: Technical Specification: a:Image Sensor:3 x 1/3 Progressive scan CCD Chip. **Aspect ratio-16:9**

**5. Existing Specification:**

Para: Technical Specification: f) Input Key Board for Character Generator, 5 pole DIN Socket

**Read as:**

**Deleted**

**6. Existing Specification:**

Para: 3.3: TELESCOPES

**Read as:**

Para: 3.3: TELESCOPES (**HD Compatible**)

**Schedule No: 6**

**Laparoscopic Surgery Set with Hysteroscope & Resectoscope with High Definition Camera & Monitor**

**1. Existing Specification:**

Para 2: **Operational Requirements: All** offered items should be from same manufacturer.

**Read as:**

**Operational Requirements: All** offered items should be from same manufacturer with **USFDA or European CE approved products.**

**2. Existing Specification:**

Para 3.2 (41): Electronic morcillator-With cutting sleeve and protective sleeve along with spare knife (Fully autoclavable)

**Read as:**

Para 3.2 (41): Electronic morcillator-With cutting sleeve and protective sleeve along with spare knife (Fully autoclavable) **can be from other make. It should be European CE or USFDA approved.**

**3. Existing Specification:**

Para 3.7: Formaline Chamber:

**Read as:**

Para 3.7: Formaline Chamber **(Imported / Indian make)**

**4. Existing Specification:**

Para 3.9 e: System should have integerated Parafocal Optical Zoom ( F 14-30mm, 2 X) to enhance image size and focus lens/rings to make it fully soakable and waterproof.

**Read as:**

Para 3.9 e: System should have integerated Parafocal Optical **Zoom ( F should not be less than 12 mm and upper range should not be less than 30 mm, 2 X)** to enhance image size and focus lens/rings to make it fully soakable and waterproof.

**5. Existing Specification:**

Para 3.9 g): Camera control unit should be compatible with all camera heads i.e Three chip

**Read as:**

Para 3.9 g): **Three Chip** Camera control unit should be compatible with all **the tree chip** camera head and **the company should provide standby facility within 48 hours of breakdown.**

**6. Existing Specification:**

Para 3.11 g) :Built in anti fog air pump

**Read as:**

Para 3.11 g): **Deleted**

**7. Existing Specification:**

Para 3.12: VIDEO- CART

**Read as:** Para 3.12: VIDEO- CART **(Should be from the same manufacturer)**

**8. Added under Para 3.13: IMAGE MANAGEMENT SYSTEM:**

**k. Full HD recording, Medical grade computer and Monitor,Touch screen,Minimum 1 TB storage memory. It should have window based operating system,minimum Windows –XP.**

**9. Existing Specification:**

Para 3.14: VIDEO COLOUR PRINTER

**Read as:**

Para 3.14: VIDEO COLOR PRINTER/ **LASER COLOUR PRINTER**

**10. Added Para: 3.14 iv. It should be CE approved.**

**11. Existing Specification:**

Para 4.3 A(a): Operating and Contact-Hysteroscope Forward-Oblique Telescope 30°, enlarged view, magnification 1x, 60x, diameter 4.0 mm, length 30 cm, autoclavable, fiber optic light transmission incorporated,- 1 no

**Read as:** Para 4.3 A(a): Operating and Contact-Hysteroscope Forward-Oblique **Full HD** Telescope 30°, enlarged view, magnification 1x, 60x, diameter 4.0 mm, length 30 cm, autoclavable, fiber optic light transmission incorporated,- 1 no

**12. Existing Specification:**

Para 4.3 F) Hysteromet

**Read as:** Para 4.3 F) Hysteropump

**Schedule No: 9**

**Multipurpose electro hydraulic with manual override mobile Table with divided leg section suitable for all Gynaecological surgical procedures, complete with 5cm mattress and corded handset.**

**1. Existing Specification:**

Para 3: Removable head and leg sections to suit different applications, **with cassette tunnel.**

**Read as:**

Para 3: Removable head and leg sections to suit different applications.

**2. Existing Specification:**

Para C 2: Width: 3.5 ft

**Read as:**

Para C 2: Width: **500 mm or more**

**3. Existing Specification:**

Para C 3:

Minimum height (without mattress) : 600± 50 mm

Maximum height (without mattress): Minimum of 1050 mm

**Read as:**

Para C 3:

Minimum height (without mattress): **700 mm.**

Maximum Height (without mattress): **1000 mm**

**4. Existing Specification:**

Para C 9: Leg section adjustment: +50 deg to -110 deg

**Read as:**

Para C 9: Leg section adjustment: **+20 deg or more to -90 deg or more.**

**5. Existing Specification:**

Para C 13: Back section adjustment: (-15 to +70) deg

.

**Read as:**

Para C 13: Back section adjustment: **(-35 to +75) deg.**

**6. Existing Specification:**

Para C 11: Break (flexion) position: 110-130 deg

**Read as:**

Para C 11: Break (flexion) position: **100-130 deg**

**7. Existing Specification:**

Para C 12: Cranial & caudal traversing: 200-300 mm

**Read as:** Para C 12: Cranial & caudal traversing: 200-300 mm. **It should be operated with remote control.**

**8. Existing Specification:**

Para C 14: Maximum patient weight: 250 kg or more

**Read as:**

Para C 14: Maximum patient weight: **180 kg or more in all positions.**

**9. Existing Specification:**

Para E: UPS of suitable rating with voltage regulation and spike protection for 60 minutes back up.

**Read as:**

**Deleted.**

**Schedule No: 10**  
**Equipment Specifications for DELIVERY BED**

**1. Existing Specification:**

Para 3.1.1. It should have control devise for making **height** and back adjustments.[ manual as well as remote control].

**Read as:**

Para 3.1.1. It should have control devise for making **height (44cm to 90cm)** and back adjustments.[ manual as well as remote control].

**2. Existing Specification:**

Para: 3.1.3 It should have three sectional mattress and seat section should have large perineal cut.

**Read as:**

Para: 3.1.3 It should have three sectional mattress and seat section should have large perineal cut.  
**The mattress thickness should be 50mm or more.**

**3. Existing Specification:**

Para: 3.1.4 It should have head board which can be detached.

**Read as:**

Para: 3.1.4 Head board and food section can be detached or slides and stores under the bed.

**4. Existing Specification:**

Para: 3.1.5 Should have wheels provided with locking system.

**Read as:**

Para: 3.1.5 Should have wheels (**dia- 6” or 8”**) provided with locking system.

**5. Existing Specification:**

Para 3.1 (6): Should have retractable foot section so as to convert bed into table.

**Read as:** Para 3.1 (6): Should have retractable foot section **with indication for locking**, so as to convert bed into table.

**6. Existing Specification:**

Para 3.1 (12): It should be able to give trendelenburg, reverse trendelburg and **70 degree** sitting position both mechanically and electronically.

**Read as:**

Para 3.1 (12): It should be able to give trendelenburg, reverse trendelburg and **60 degree** sitting position both mechanically and electronically.

**7. Existing Specification:**

Para 3.1(16): Dimensions - **Length 6 feet and width =2 and half feet.**

**Read as:**

Para 3.1(16): Dimensions - **Length: Minimum 180 cm and width: Minimum 75 cm**

**8. Added Para:**

1. **Pelvic tilt: – 15 degree.**
2. **Should have easy slide calf supports swing into correct positional lock with single lever.**
3. **Should have CPR release.**
4. **Weight capacity: 200 (Approx)**

**Schedule No: 11**

**LEEP SYSTEM with Smoke Evacuator & integrated cart**

**1. Existing Specification:**

Para 3: Should have RF output frequency **450 KHz** power cut 0-100 watt.

**Read as:**

Para 3: Should have RF output frequency **350 – 450 KHz** power cut 0-100 watt.

**2. Existing Specification:**

Para 6: Should have pneumatic foot pedal for maximum safety

**Read as:**

Para 6: Should have pneumatic / **normal spring type pedal** for maximum safety

**Schedule No: 12**

**Cryo Surgical System**

**Existing Specification:**

Para 9: Activation should be via footswitch.

**Read as:**

Para 9: Activation should be via footswitch **or hand control.**

**Schedule No: 15**

**MTP SUCTION FOR OBST. & GYANE DEPARTMENT**

**1. Existing Specification:**

Para 1: Piston/cylinder system (self lubricating) **approx. 70rpm**

**Read as:**

Para 1: Piston/cylinder system (self lubricating)

**2. Existing Specification:**

Para 2: Fast vacuum build up, vacuum capacity **50L/min, -90 Kpa/-675mm Hg**



**Read as:**

Para 2: Fast vacuum build up, vacuum capacity **40 - 50 L/min** with vacuum of minimum **-90 Kpa/-675mm Hg.**

**Added Para: The Machine should be ergonomically designed and easy to clean.**

**Schedule No: 16**  
**Multiparameter monitor**

**1. Existing Specification:**

Para 1: Wall mounted **modular unit** suitable for all patient categories. i.e. neonates and infants, children and adolescents.

**Read as:**

Para 1: Wall mounted **modular or preconfigured unit** suitable for all patient categories. i.e. neonates and infants, children and adolescents.

**2. Existing Specification:**

Para 2: Parameters monitored: ECG, HR. Respiration rate, SPO2, NIBP

**Read as:**

Para 2: Parameters monitored: ECG, HR. Respiration rate, SPO2, NIBP, **Temp & Dual IBP.**

**3. Existing Specification:**

Para 3: Display: Colour TFT, approx. atleast 10 inch, with wide viewing angle, facility for display of at least 5 waveforms

**Read as:**

Para 3: Display: Colour TFT **Touch screen**, approx. atleast 10 inch, with wide viewing angle, facility for display of at least 5 waveforms

**4. Existing Specification:**

Para 13: Trend display (numerical and graphic) from **24 hrs.** Facility for zooming in up to 1 min. The trends data should not be lost on switching off the monitor.

**Read as:**

Para 13: Trend display (numerical and graphic) from **72 hrs.** Facility for zooming in up to 1 min. The trends data should not be lost on switching off the monitor.

**5. Existing Specification:**

Para 15: RS 232 serial data output provision (peripheral printer or network), analogue output for ECG

**Read as:**

Para 15: RS 232 **& LAN** serial data output provision (peripheral printer or network), analogue output for ECG

**Schedule No: 17**

**TECHNICAL SPECIFICATIONS SYRINGE INFUSION PUMPS**

**1. Existing Specification:**

Para 2: Must Work on commonly available standard 5ml/10ml/20ml/50ml/60 ml Syringes with accuracy of minimum of +/-2% or better, with automatic syringe size recognition.

**Read as:**

Para 2: Must Work on commonly available **standard 2ml/3ml/5ml/10ml/20ml/50ml/60ml** Syringes with accuracy of minimum of +/-2% or better, with automatic syringe size recognition.

**2. Existing Specification:**

Para 3: Manufacturer should be ISO and CE certified for quality standards.

**Read as:**

Para 3: Manufacturer should be ISO certified for Quality Standards and **the System should be European CE or USFDA certified.**

**3. Existing Specification:**

Para 4: Flow rate programmable from **0.1 to 1000 ml/hr** or more in steps of 0.1 ml/hr with user selectable flow set rate option. SAVE last infusion rate even when the AC power is switched OFF.

**Read as:**

Para 4: Flow rate programmable from **0.01 to 1000 ml/hr** or more in steps of **0.01 ml/hr** with user selectable flow set rate option. SAVE last infusion rate even when the AC power is switched OFF.

**4. Existing Specification:**

Para 5: Bolus rate should be programmable to 40 to 1000 ml/hr or more with infused volume display and one key press bolus. Reminder audio after every 1 ml delivered bolus.

**Read as:**

Para 5: Bolus rate should be programmable to **100 to 1200 ml/hr** or more with infused volume display and one key press bolus. Reminder audio after every 1 ml delivered bolus.

**5. Existing Specification:**

Para 6: Display of Drug directory of more than 50 drugs, customized and adjustable.

**Read as:**

Para 6: Display of Drug directory of more than **50 or more** drugs or more, customized and adjustable.

**6. Existing Specification:**

Para 14: Rechargeable Battery having at least 1 hours backup for about 5ml/hr flow rate with 50ml syringes. Larger battery life and indication of residual life will be preferred.

**Read as:**

Para 14: Rechargeable Battery having **5 hours or more** backup for about 5ml/hr flow rate with 50ml syringes. Larger battery life and indication of residual life will be preferred.

**7. Existing Specification:**

Para 16: The unit shall be capable of stored and operating continuously in ambient temperature of 10 - 50deg C and relative humidity of 15-90%

**Read as:**

Para 16: The unit shall be capable of stored and operating continuously in ambient temperature of 10 - 50deg C and relative humidity of **30-90%**

**Added Para:**

1. **Coloured display of atleast 3.5 inches.**
2. **Should have upto 2000 history records.**

**Schedule No: 18**

**SPECIFICATIONS FOR ELECTRO SURGICAL UNIT (ESU) WITH  
VESSEL SEALING SYSTEM**

**1. Existing Specification:**

Para 3.1: Integrated touch screen system with **350W** output generator for monopolar cut, 120Watt for monopolar coagulation, **bipolar cut 150Watt** and **Bipolar coagulation 120Watt** and vessel sealing system for open and laparoscopic surgery

**Read as:**

Integrated colour display touch screen system with **minimum 300W** output generator for monopolar cut, 120Watt for monopolar coagulation, bipolar cut **minimum 90Watt** and **Bipolar coagulation minimum 90Watt** and vessel sealing system for open and laparoscopic surgery

**2. Existing Specification:**

Para 3.3: Should provide monopolar output for cut, coagulation (fulguration & spray) & blend in multiple levels. It should have pure cut, blend cut & uro cut (pure & blend), Argon cut – Argon gas supported cutting. Monopolar Coagulation should offer the following modes: Contact Coagulation, Auto stop: Self coagulation with automatic switch off, forced coagulation, Dessication & argon spray for open surgical application.

**Read as:**

Para 3.3: Should provide monopolar Cutting should offer following modes:

- A. Pure cut
- B. Blend cut
- C. Super blend cut

- D. Uro cut-pure
- E. Uro cut-blend
- F. Argon cut.

Monopolar coagulation should offer following modes:

- A. Contact coagulation
- B. Coagulation Auto stop
- C. Forced coagulation
- D. Argon spray for open surgical application
- E. Endo-organ soft spray current

**3. Existing Specification:**

Para 3.15: Frequency Leakage on the patient should be less than 10 micro Amp.

**Read as:**

3.15 Frequency Leakage on the patient should be less than 10 micro Amp. **Continuous monitoring of the HF leakage current with error message should be displayed on the equipment display.**

**4. Existing Specification:**

Para 4.2 m: Laproscopic Vessel Sealing Instrument (Reusable) [the same Instrument should offer Vessel Sealing & cutting) – 1 no

**Read as:**

Para 4.2 m: Laproscopic Vessel Sealing Instrument - **5mm** (Reusable) [the same Instrument should offer Vessel Sealing & cutting) – 1 no. **It should be from the same principal manufacturer as of vessel sealing system.**

**5. Existing Specification:**

Para 4.2(l): cable for connecting to standard mono polar and bipolar laparoscopic instruments,

**Read as:**

Para 4.2(l): cable for connecting to standard mono polar and bipolar laparoscopic instruments, **(5 nos Each)**

**All other terms and conditions of the tender enquiry remain unaltered.**