

## CORRIGENDUM

**Ref. Tender No: HLL/PCD/PMSSY/PUNJAB/01/11-12 dated 07/07/2011**

**Pre-bid meeting held on 18/07/2011**

Representation/queries received during the pre-bid are being clarified below.

The following points are clarified to the Prospective bidders:

1. All X-Ray & Radiation emitting items asked in this tender should be AERB type approved.
2. Warranty mentioned any where in the specification of the items are deleted and Warranty to be read as per the terms & condition of the tender document.
3. The purchaser has the right to ask demonstration for the model quoted of the any equipment of the tendered items free of cost at the convenient place to the purchaser.
4. Please submit the required certified certificates copy, where ever asked in the specification
5. **The item sl. no. 9 is merged with the item sl. no. 7 and renamed as "PORTABLE COLOUR DOPPLER SYSTEM". Thus, total qty. & EMD amount for the merged item sl. no. 7 to read as 3 nos. & Rs. 72,000/- respectively in NIT (Section I, Para-1). In List of requirement (Section VI, Para-1), Department for the item should read as 'Pediatric & Ultrasound'**

### Schedule No. 1

#### Equipment Specifications for Modular Multi parameter Monitor

Existing Para 3.1 - Minimum 15 inches multi colored TFT display screen.

Read as para 3.1 - Minimum 15 inches **touch screen** multi colored TFT display screen.

Existing Para 3.7 - Facility to monitor and display - ECG, Respiration, NIBP, SPO<sub>2</sub>, CO<sub>2</sub> with capnography, Temp, Cardiac output (Rate to be quoted Separately), NMT (Rate to be quoted Separately), BIS/Entropy (Rate to be quoted Separately), EEG (Rate to be quoted Separately), Gastrictonometry (Rate to be quoted Separately)& IBP – 2 nos.

Read as para 3.7 - Facility to monitor and display - ECG, Respiration, NIBP, SPO<sub>2</sub>, CO<sub>2</sub> with capnography, Temp, Cardiac output (Rate to be quoted Separately), NMT (**optional**), BIS/Entropy (Rate to be quoted Separately), EEG (**optional**), Gastrictonometry (**optional**)& IBP – 2 nos.

Existing Para 3.9 - EtCO<sub>2</sub> -Main stream/ side stream. Display both inspired and expired values, showing capnography.

Read as para 3.9 - EtCO<sub>2</sub> -Main stream/ side stream/**Microstream**. Display both inspired and expired values, showing capnography.

Existing Para 3.10 - NMT Module/monitor: For measurement and display of TOF count, TOF %, ST, DBS, Tetanic and Trend for continuous usage. Automatic measurement facility in selected time interval. Automatic selection of supramaximal current. Include standard accessories (Rate to be quoted Separately).

Read as para 3.10 - NMT Module/monitor: For measurement and display of TOF count, TOF %, ST, DBS, Tetanic and Trend for continuous usage. Automatic measurement facility in selected time interval. Automatic selection of supramaximal current. Include standard accessories (**Optional**).

Existing Para 3.11 & 4.8 - EEG Module with all accessories. (Rate to be quoted Separately)

Read as para 3.11 - EEG Module with all accessories. (**optional**)

## Schedule No.2

### Equipment Specifications for Complete Monitoring System for ICU

Existing Para 3.1 - Minimum 15 inches multi colored TFT display screen.

Read as para 3.1 - Minimum 15 inches **touch screen** multi colored TFT display screen.

Existing Para 3.7 - Facility to monitor and display - ECG, Respiration, NIBP, SPO<sub>2</sub>, CO<sub>2</sub> with capnography, Temp, Cardiac output (Rate to be quoted Separately), NMT (Rate to be quoted Separately), BIS/Entropy (Rate to be quoted Separately), EEG (Rate to be quoted Separately), Gastrictonometry (Rate to be quoted Separately)& IBP – 2 nos.

Read as para 3.7 - Facility to monitor and display - ECG, Respiration, NIBP, SPO<sub>2</sub>, CO<sub>2</sub> with capnography, Temp, Cardiac output (Rate to be quoted Separately), NMT (**optional**), BIS/Entropy (Rate to be quoted Separately), EEG (**optional**), Gastrictonometry (**optional**)& IBP – 2 nos.

Existing Para 3.9 - EtCO<sub>2</sub> -Main stream/ side stream. Display both inspired and expired values, showing capnography.

Read as para 3.9 - EtCO<sub>2</sub> -Main stream/ side stream/**Microstream**. Display both inspired and expired values, showing capnography.

Existing Para 3.10 - NMT Module/monitor: For measurement and display of TOF count, TOF %, ST, DBS, Tetanic and Trend for continuous usage. Automatic measurement facility in selected time interval. Automatic selection of supramaximal current. Include standard accessories (Rate to be quoted Separately).

Read as para 3.10 - NMT Module/monitor: For measurement and display of TOF count, TOF %, ST, DBS, Tetanic and Trend for continuous usage. Automatic measurement facility in selected time interval. Automatic selection of supramaximal current. Include standard accessories (**Optional**).

Existing Para 3.11 & 4.8 - EEG Module with all accessories. (Rate to be quoted Separately)

Read as para 3.11 - EEG Module with all accessories. (**optional**)

Existing Para 3.20 - CRT Slave monitors- 21 inches in ICU - one per central station

**Read as para 3.20 – CRT/TFT/LCD Slave monitors- 21 inches in ICU - one per central station**

### **Schedule No.3**

#### **Antepartum and Intrapartum foetal monitor (Cardiotocomachine) with central station**

**Existing Para 3.1.5** - Highly sensitive ultra sound transducer which should be 1.5 MHZ for less signal attenuation and good signal acquisition. Ultrasound transducer should be a waterproof unit. Designed with Snap Clasp closure for easy application and cleaning. Should have facility to connect any transducer in any socket for easy use. Preferably there should be facility to switch between transducers when more than one transducer is used.

**Read as para 3.1.5** - Highly sensitive ultra sound transducer which should be 1.5 MHZ for less signal attenuation and good signal acquisition. Ultrasound transducer should be a waterproof unit. Designed with Snap Clasp closure for easy application and cleaning. Preferably there should be facility to switch between transducers when more than one transducer is used.

### **Schedule No.4**

#### **Equipment Specifications for Antepartum and Intrapartum foetal monitor (Cardiotocomachine)**

**Existing Para 3.1.5** - Highly sensitive ultra sound transducer which should be 1.5 MHZ for less signal attenuation and good signal acquisition. Ultrasound transducer should be a waterproof unit. Designed with Snap Clasp closure for easy application and cleaning. Should have facility to connect any transducer in any socket for easy use. Preferably there should be facility to switch between transducers when more than one transducer is used.

**Read as para 3.1.5** - Highly sensitive ultra sound transducer which should be 1.5 MHZ for less signal attenuation and good signal acquisition. Ultrasound transducer should be a waterproof unit. Designed with Snap Clasp closure for easy application and cleaning. Preferably there should be facility to switch between transducers when more than one transducer is used.

### **Schedule 5**

#### **Open Care System for Neonates**

Existing Para 3.1 - Essential parts: Cart & bassinet

Read as para 3.1 - Essential parts: bassinet

Existing Para 3.1 - Pulse oximeter: to measure oxygen saturation and heart rate resistant to motion artifact. Able to pick up signals in low perfusion states (**Price to be quoted separately**).

Read as para 3.1 - Pulse oximeter (**Nelcor or Massimo**): to measure oxygen saturation and heart rate resistant to motion artifact. Able to pick up signals in low perfusion states (**Price to be quoted separately**).

Existing Para 3.1 - CPAP system: Flow driven (**Price to be quoted separately**).

Read as para 3.1 - CPAP system: Flow driven/**Babble/conventional** (**Price to be quoted separately**).

Existing Para 3.1 - Monitor shelves: 2 in number : Should support upto approx. 20 kgs per shelf or upto 25 kgs total on single side.

Read as para 3.1 - Monitor shelves: 2 in number : Should support upto approx. 6 - **10** kgs per shelf or upto 25 kgs total on single side.

### Schedule No.7

#### STATE OF THE ART LATEST GENERATION PORTABLE COLOUR DOPPLER SYSTEM

Existing Para -1 - System should be offered with following Broad Band width Transducers:

- (i) Convex Array Transducer (frequency range of 2 to 4 MHz) (+/- 1 MHz)
- (ii) Linear Array Transducer (frequency range of 4 to 10 MHz) (+/- 1 MHz)

**Read as -**

- (i) Convex Array Transducer (frequency range of 2 to 4 MHz) (+/- 1 MHz) **or broader range.**
- (ii) Linear Array Transducer (frequency range of 4 to 10 MHz) (+/- 1 MHz) **or broader range.**

Existing Para 12 - Weight of the equipment should not be more than 5Kg to 7 Kg (Approx).

Read as para 12 - Weight of the equipment should not be more than **10** Kg (Approx).

Existing Para 18 - Inbuilt battery backup for 2 hrs appox.

Read as para 18 - Inbuilt battery backup for **90min** appox.

### Schedule No.9

**This item is deleted and merged with item no.7**

### Schedule No.10

#### DEFIBRILLATOR WITH EXTERNAL PADDLES & EXTERNAL PACE MAKER

Existing Para 7.1 - Should be FDA/CE or BIS approved product

Read as para 7.1 - Should be **US** FDA approved product

**Schedule No. 12****Equipment Specifications for ICU Beds - Advanced Model.**

Existing Para 3.4 -Base frame & support frame should be made up of Stainless steel for long life & prevention from rusting.

Read as para 3.4 - Base frame & support frame should be made up of Stainless steel/  
**epoxy/Polyester powder coated paint** for long life & prevention from rusting.

Existing Para 3.5 - Should have stepless electrical adjustment for the following

Read as para 3.5-Should have stepless electrical adjustment for the following – **(All dimension are appox)**

Existing Para 3.6 -Should have stepless pneumatic adjustment for Trendlenburg (25° approx), anti-trendlenburg (15° approx)

Read as para 3.6 - Should have stepless adjustment for Trendlenburg (**15°** approx), anti-trendlenburg (15° approx)

**Schedule No. 13****Equipment Specifications for Ventilator-High End (I.C.U)**

Existing Para 3.2 - Colored TFT screen, 12 Inch or more

Read as para 3.2 - Colored TFT **Touch** screen, 12 Inch or more

Existing Para 3.3 - Facility to measure and display

c) 3 loops- P-V, F-V, P-F with facility of saving of 3 Loops for reference.

Read as para 3.3 - Facility to measure and display

c) **3/2** loops- P-V, F-V, P-F

Existing Para 3.8 - Modes of ventilation - j) ACMV MODE

Read as Para 3.8 - Modes of ventilation - j) ACMV MODE **or equivalent**

Existing Para 6.2 - Suitable UPS with maintenance free batteries for minimum one-hour back up should be supplied with the system.

Read as para 6.2 - Suitable UPS with maintenance free batteries for minimum one-hour backup **for ventilator only** should be supplied with the system.

Existing Para 7.2 - Should be FDA or CE approved product

Read as Para 7.2 - Should be **US** FDA approved product

**Schedule No.14****Equipment Specifications for Incubator - Baby**

**Existing Para 3.6** - 4cm thick gel mattress, easily cleanable.

Read as Para 3.6 – **Foam Mattress.**

**Existing Para 3.17** - Built in weighing scale with sensitivity of  $\pm 1$  gm

**Read as para 3.17** - Built in weighing scale with sensitivity of  $\pm 5$  gm

Existing Para 6.2 - Suitable UPS with 30 Min Backup for complete system

Read as para 6.2 - Suitable 30 Min Backup for **Monitoring and alarm system.**

**SCHEDULE NO.: 16****Equipment Specifications for OT Table**

**Existing Para 2.1** - Multi purpose powered OT table, C- Arm Fluoroscopic compatible, suitable for all major surgical procedures, complete with a corded handset with battery level indicators (choice of IR handset should also be available) and moulded, anti-static, seamless mattress.

**Read as Para 2.1** - Multi purpose **Electrically driven Motorised** OT table, C- Arm Fluoroscopic compatible, suitable for all major surgical procedures, complete with a corded handset with battery level indicators (choice of IR handset should also be available) and moulded, anti-static, seamless mattress.

Existing Para 3.4 - The handset should offer controls for trendelenberg / reverse trendelenberg, lateral tilt, flexion/extension (90/230 degree), longitudinal tabletop traverse and height functions (min. height around 700-800mm and max. height around 1000-1200mm).

Read as Para 3.4 - The handset should offer controls for trendelenberg / reverse trendelenberg, lateral tilt, flexion/extension (**Up 75/45degree down**), longitudinal tabletop traverse and height functions (min. height around 700-800mm and max. height around 1000-1200mm).

Existing Para 3.5 - The brakes, wheels and castors should be controlled by two foot pedals provided at either end of the table.

Read as Para 3.5 - The brakes, wheels and castors should be controlled by **motorised brakes.**

Existing Para 3.7 - The Table stem should be located under the middle of the back section making the tabletop eccentric.

Read as Para 3.7 - The Table stem should be located under the middle of the back/**Seat** section making the tabletop eccentric.

Existing Para 3.12 - Should have facilities for manual operations in case of power failures.

Read as Para 3.12 - Should have facilities for **battery backup for 2 hrs of** operations in case of power failures.

### Schedule No 17.

#### Specifications for Operation Theatre Light with Camera

Existing Para 3.1 - Depth of illumination should be 120-140 cms. or more.

Read as Para 3.1 - Depth of illumination should be **> or = 80** cms. or more.

Existing Para 3.2 - **Camera system:** CCD camera having following features

Location of the camera in the center of the light head inside the handle for easy focusing.

Read as Para 3.2 - **Camera system:** CCD camera having following features

Location of the camera in the center/**on third arm** of the light head inside the handle for easy focusing.

### Schedule No.21

#### FLEXIBLE FIBEROPTIC LARYNGOSCOPE

Existing Para - COLOUR VIDEO MONITOR:

- d. Ability to output video in DVD/CD

Read as Para - COLOUR VIDEO MONITOR:

- d. Ability to output video in **RGB, S-VHS & USB**

### Schedule No.26

#### Specifications for High Definition Laparoscopy System

The following are added to the specs :-

1. **Laparoscopy Electro surgical unit with all accessories.**
2. **Suitable UPS with 30 Min backup for complete system.**
3. **Suitable trolley**

Existing Para - High Definition Three Chip Camera System

1. Camera console 220 v with universal coupler & Autoclavable camera head
2. Pure Digital signal with high definition video(1280\*1024 native resolution)

**Read As para - High Definition Three Chip Camera System**

1. Camera console 220 v with universal coupler & camera head
2. Pure Digital signal with high definition video(**1920\*1080** native resolution)

**Existing Para - Automatic Light source**

3. Bulb Working life 5800hrs

**Read as Para - Automatic Light source**

3. Deleted

**Existing Para - Monitor**

19" Flat Panel Monitor Colour

**Read as Para - Monitor**

19" or more Flat Panel Monitor Colour

**Existing Para - Insufflator**

40 Liter of high flow

**Read as Para - Insufflator**

**20 - 30** Liter of high flow

Existing Para - LCD based central display monitor with multilingual text & graphics

Read As Para - LCD based central display monitor

**Existing Para - Laparoscopes, Fully Autoclavable with working length 300mm**

Flexible video telescope

**Read as para – Laparoscopes, Fully Autoclavable with working length 300mm**

Deleted

Existing Para - Clip applicator 10 mm Large, Medium, Small Clips

**Read as para** - Clip applicator 10 mm Large, **and** Small Clips

Existing Para - Gall bladder extraction 5mm Large, Medium, Small Clips

**Read as para** - Gall bladder extraction 5mm **& 10mm** Clips

**Schedule No. 27**

Equipment Specifications for Operative Hysteroscope Set with Resectoscope(Complete System)

**Added to the specs - Suitable trolley for the system.****Existing Para 3.3 - Xenon light source**

1- 300 watts bulb minimum 1000 hrs. with at least one spare bulb of 15V 300 watts

Read as Para 3.3 - Xenon light source

1- 300 watts **xenon** bulb minimum **500** hrs. with at least one spare bulb of 300 watts

**Schedule No. 33****Equipment Specifications for Ion Selective Electrolyte Analyzer**

Existing Para 3.2 - Facility for auto sampler tray for constant loading. Sample can be fed by capillary syringe or sample tube directly

Read as para 3.2 - **Deleted**

**Schedule No 36****Equipment Specifications for Blood Cell Separator-Apheresis Machine**

Existing Para 2.2- Should perform both single and/or double access Aphaeresis

Read as Par 2.2 - Should perform both single access Aphaeresis

Existing Para 3.1 - In single needle procedure the equipment should continue to process the whole blood during the return cycle (Continuous flow procedure in single access) to reduce the procedure time and increase the efficiency.

Read as para 3.1 - In single needle **and single access** procedure the equipment should continue to process the whole blood during the return cycle (Continuous flow procedure in single access) to reduce the procedure time and increase the efficiency.

Existing Para 3.6 - Should be able to collect both single and/or double needle platelet aphaeresis along with concurrent plasma and / or RBC

Read as para 3.6 - Should be able to collect both single and/or double needle platelet aphaeresis along with concurrent plasma

Existing Para 3.10 - Facility to use platelets additive solution and / or normal Saline for re-suspension and storage fluid in place of plasma

Read as para 3.10 – **Should be able to deliver platelets in presuspended form and should be readily available in the machine**

**Schedule No.39****Existing Para 3.1 - VIDEO BRONCHOSCOPE (THERAPEUTIC) ADULT**

6. Depth of field: 3 mm to 100 mm or better.

12. Instrumental Channel dia: more than 3 mm

13. Bending range: Up 180 deg and Down 130 deg.

**Read as Para 3.1 - VIDEO BRONCHOSCOPE (THERAPEUTIC) ADULT**

6. Depth of field: 3 mm to **50** mm or better.

12. Instrumental Channel dia: **2.2 to** 3 mm

13. Bending range: Up 180 deg and Down **100** deg.

**Schedule No.42****TECHNICAL SPECIFICATION FOR 500 mA X-RAY MACHINE****Existing Para 1 - Generator:**

- a. Generator should be high frequency (200 MHz or more) for constant output.

**Read As Para 1- Generator:**

- a. Generator should be high frequency for constant output.

**Existing Para - 2. X – Ray Tube and Tube Mount:**

- l. Should have auto collimation and adjust automatically to the size of the inserted cassette.

**Read as Para - 2. X – Ray Tube and Tube Mount:**

- l. **Deleted**

**Existing Para - 5. Vertical Bucky Stand:**

- c. Should have automatic sensing of cassette size.

**Read as Para 5. Vertical Bucky Stand:**

- c. **Deleted.**

**Existing Para 6 - Flouroscopy: 12” triple field II for fluoroscopy with min 21” 2Nos monitor having all facility like image rotation, Neg image, Zoom etc.**

**Read as Para 6 – Deleted.**

**Existing Para 7. Accessories:** 75 KVA Servo stabilizer for the complete unit.

**Read as Para 7. Accessories: Suitable** KVA Servo stabilizer for the complete unit.

**Schedule No.61****CELL COUNTER****(5 PART DIFFERENTIAL AUTOMATED HAEMATOLOGY ANALYZER)**

**Existing Para -** Sample volume less than 20 micro litres in whole blood and pre –dilute mode.

**Read as Para -** Sample volume less than **200** micro litres in whole blood and pre –dilute mode.

**Existing Para -** Should have inbuilt graphic printer.

**Read as Para -** Should have inbuilt/**External** graphic printer.

**Schedule No. 66****Eye Examination unit**

**Existing Para - Accessories required:-**

LCD Projector

**Read as Para - Accessories required:-**

**Digital acuity chart**

**Schedule No.67****SLIT LAMP-HIGH END**

Existing Para - Magnifications: 5x, 8x, 12x, 20x, 32x

**Read as Para - Magnifications: 6X to 40X**

Existing Para - Field of view: 40 mm – 6 mm in diameter.

**Read As para - Field of view: 39mm to 9mm in diameter**

Existing Para - Width of slit image: 0 – 14 mm, continuously adjustable

Length of slit image: in steps: 0.3 / 2.5 / 3.5 / 7 / 10 / 14, Triple Slit

**Read as Para - Width of slit image: 0 – 14 mm, continuously adjustable**

**Length of slit image: in steps: 0.3 / 2.5 / 3.5 / 7 / 10 / 14**

Existing Para - Slit rotation:  $\pm 90^\circ$ , continuous

Decentration of slit image:  $\pm 4^\circ$  horizontal, click stop at  $0^\circ$

**Read as Para - Deleted**

Existing Para - Swivel range of slit prism :  $180^\circ$ , scale for angular difference,

**Read as Para - Deleted**

Existing Para - Travel of instrument base: Z axis: 29mm, X-axis: 110 mm, Y-axis: 90mm

**Read as Para - Travel of instrument base: Z axis: 29mm, X-axis: 110 mm, Y-axis: 90mm (Variation 10%)**

Existing Para - Instrument table: Asymmetrical with motorized control

**Read as Para - Instrument table: motorized control**

**Schedule No.76****3D OCT**

**Note : The bidders may offer In place of fundus Camera the OCT live funds Technology using live scanning Ophthalmoscope to view the Fundus. If the bidder have offer OCT live funds Technology than all points relate to Fundus camera may be treated as deleted.**

chedule No.83  
**Equipment Specifications for HPLC System**

**Existing Para 3.7 – Columns –**

- a. C-18, 5u, REVERSE PHASE COLUMN, (4.6x 250mm) – 10Nos
- b. C-8, 5u, REVERSE PHASE COLUMN, (4.6x 250mm) – 10Nos

Read as Para 3.7 - **Columns – Suitable for Drug and Drug abuse Assays including toxicology to be supplied and Unit Price to be quoted separately .**

**Existing Para 3.15** - Quotations (Rates) for pre validated HPLC kits for each of the following mentioned below should be supplied along with necessary columns and peripherals.

1. Vitamin A & E in Serum
2. Vitamin B1, B2, B6 in whole blood.
3. Vitamin C in Plasma
4. 25 – Hydroxy Vitamin D3 in Serum
5. Glycated Hb in whole blood
6. Homocysteine in Plasma
7. Biogenic Amines in Serum
8. Beta Thalassemia screening in whole blood

Read as Para 3.15 - **The application of the HPLC system Drug and Drug abuse Assays including toxicology so according the rate for all kit to be quoted and Unit Price to be quoted separately.**