

Amendment No. 2

Date: 14/12/2015

Sub: Amendment to the Tender Enquiry Document

Ref: Tender Enquiry No.: HLL/PCD/PATIALA/03/15-16 dated 24/11/2015

The following changes are being incorporated to the Technical Specifications of the above referred tender enquiry.

Section – VII **Technical Specifications**

Schedule No. 3 **Computerized cardiopulmonary exercise testing system with treadmill for humans**

1. Existing Para 7:

System should have oxygen & CO2 analyzer with response time less than 150mS.

Read as:

System should have oxygen (paramagnetic or galvanic oxygen sensor) & CO2 analyzer with response time less than 150mS. Oxygen sensor should be covered under warranty & should be replaced free of cost during warranty.

2. Added Para

Consumables required for routine and periodic calibration during warranty period should be included in the scope of supply, such as gas cylinders or any other consumable required for calibration.

Item no. 4 **Polysomnograph (portable)**

1. Added Para:

- i. Should be supplied with latest computer system with monitor of 14" or more, keyboard, mouse etc.
- ii. Should measure ECG, EOG, EMG, EEG
- iii. Total no. of channels should be 14 or more
- iv. Should have battery backup of min 10 hours or more
- v. Electrodes/Probes/Transducer/ flow sensors along with cables wherever required should be included in the scope of supply and should be covered under warranty
- vi. Offered model should be European CE or USFDA approved

Item no. 10
2D Colour Doppler Ultrasound Equipment

1. Existing Para 5.2:

The system shall provide the ability to scan in the compound imaging mode with multiple lines on all linear and convex probes. The system shall provide scan depths from a minimum of 2 cm to a maximum of at least 30 cm. System should have minimum of 50,000 Digital Channels for better resolution.

Read as:

The system shall provide the ability to scan in the compound imaging mode with multiple lines on all linear and convex probes. The system shall provide scan depths from a minimum of 2 cm to a maximum of at least 30 cm. System should have minimum of 40,000 Digital Channels for better resolution.

2. Existing Para 13:

Suitable UPS with 60 minute backup for whole system.

Read as:

Suitable UPS with 30 minute backup for whole system.

3. Existing Para 17:

360° mechanically rotated radial endoluminal probe Operating frequency: 7.5 - 10 MHz (Optional - Price to be quoted separately).

Read as:

Para 17 Deleted

Item no. 11
Ventilator-High End (I.C.U)

1. Existing Para 3.2:

Colored Touch LCD/TFT screen, **15 Inch or more.**

Read as:

Machine should have single Colored Touch LCD/TFT screen, **12 Inch or more**

2. Existing Para 3.3a:

End tidal CO₂ with capnography integrated in ventilator with display of values and EtCO₂ waveform on the screen.

Read as:

Machine should have ET_{CO}₂ with capnography (**Price to be quoted separately**)

3. Existing Para 3.3.c:

Min 2 loops- P-V, F-V with facility of saving of 1 Loop for reference

Read as:

Minimum two loops P-V, F-V with facility of displaying two loops for comparison

4. Existing Para 3.6.a:

Tidal Volume: Lowest **25 ml or less**

Read as:

Tidal Volume: Lowest **5 ml or less**

5. Existing Para 3.7.c:

Minute volume (**Inspired and Expired**)

Read as:

Minute volume **Expired**

6. Existing Para 3.7.k:

Shallow breathing index **and stress index.**

Read as:

Shallow breathing index

7. Existing Para 3.10:

Two autoclavable expiratory blocks including **flow sensors should be provided with each ventilator** and no routine calibration should be required. Flow sensors and O2 Cell should be covered under warranty.

Read as:

Two autoclavable expiratory blocks including **flow sensors 2 nos. for adult/pediatric, proximal flow sensors 2 nos. for neonatal should be provided with each ventilator** and no routine calibration should be required. **Flow sensors and O2 Cell should be covered under warranty.**

8. Existing Para 3.11.c:

Spontaneous Breathing trial

Read as:

Spontaneous Breathing trial/**RSBI**

9. Existing Para 3.16:

Automatic patient detection facility preferable

Read as:

Para 3.16 Deleted

10. Existing Para 9.1:

Trolley, Hinged Arm and other parts should be supplied

Read as:

Trolley & Hinged Arm should be supplied from the same principal company.

11. Existing Para 9.2:

Reusable flow sensor- 05 nos.

Read as:

Para 9.2 Deleted

Schedule No. 14
General Orthopaedic Instruments

1. Existing Para:

PNEUMATIC TOURNIQUET (ELECTRONIC) - 2 Nos.

Read as:

Para Deleted

Schedule No. 15
DRILL & SAW SYSTEM

The specification of the item is to be read as follows:

Ortho Drill-Battery Operated

1. Drill and Reamer Hand Piece

- Should be single hand piece for both drilling and reaming
 - Should have dual trigger for forward/ reverse and oscillation mode
 - Minimum speed of 1200 rpm and should have variable speed control on the hand piece
 - Drill Torque: 30 in lbs or more
 - Ream Speed: 300 rpm or more
 - Ream Torque: 140 – 150 in lbs.
 - Should have DC brush less motor for low maintenance
 - Should be Sterilisable by Steam Autoclave, ETO and in 10 minutes through a "Flash" autoclave
 - Should have Tool less mounting of accessories
 - Should have safety mode on the hand piece
 - Adaptors for Drill/ Reamer Hand Piece
2. Jacobs Chuck and Key attachment (Drill Attachment)
 3. Reamer attachment
 4. K wire quick coupling
 5. Tripple reamer quick coupling
 6. Quick coupling.

7. Oscillating Saw Hand Piece

- Should have two speed controls with standard and fast mode.
- Blade mount should be adjustable to different angles movement adjustable in 8 Steps to 45 Degree.
- Should have Dc brush less motor
- Should be Sterilizable by Steam Autoclave, ETO and in 10 minutes through a „Flash“ autoclave
- It should have maximum speed of 10,000 to 12000 CPM

8. Oscillating Saw Blades all sizes & lengths should be quoted.

9. Reciprocating Saw should be a separate hand piece with blades of below sizes with minimum 12000 CPM. Width 19.5 Length 86MM, CUTTING THICKNESS 1.27MM, WIDTH 12MM. LENGTH 80MM, CUTTING THICKNESS 0.9MM WIDTH 21MM. LENGTH 85MM, CUTTING THICKNESS 0.9MM ACL Blade WIDTH 9.50mm, LENGTH 25.50mm, CUTTING THICKNESS 0.60mm

10. Trinkle attachment

11. ACL Blades: Width 9.5mm, Length- 25.5mm, Cutting Thickness- 0.6mm.

12. Metall cutting

13. Burs for cement removal and sculpting.

14. Battery (4 nos):

- Should have Non Autoclavable Battery with life of 300 charging cycles
- Should have autoclavable Housing and Shield
- Should have Nickel Cadmium autoclavable Standard and Small Battery

15. Battery Charger

- 220 volts charger
- Should have capability to identify the worn out battery
- Should charge four batteries at a time
- Should have an indicator to provide battery status for charging
- The system should be European CE/ US FDA approved and all accessories should be from same manufacturer

All other contents of the tender enquiry including terms & conditions remain unaltered.

Note:

Prospective bidders are advised to check the website regularly prior to the closing date and time of online submission of tenders.

-- End --