Clarification Regarding Technical Specifications

Date: 11/01/2014

Subject: Clarification regarding Technical Specifications

Ref: (i) Tender Enquiry No.: HLL/PCD/PMSSY/AIIMS-II/03/13-14 dated 02/12/2013
(ii) Amendment No.1 dated 20/12/2013.
(iii) Amendment No.2 dated 10/01/2014.

The following clarifications regarding technical specifications are made further to the TED and Amendments as referred.

Section – VII
Technical Specifications

Schedule no. 1
Anaesthesia Machine with Integrated Monitor & Ventilator

1. **Existing Amended Specification:**

   Para : 13.It should have coloured touch screen 12" or more.

   Read as:
   Para :13 It should have **coloured screen.**

2. **Existing Amended Specification:**

   Para.15 . Should be able to display
   a. Pressure Vs time
   b. Volume Vs time

   Read as: Para.15 . Should be able to display
   a. Pressure Vs time
   b. **Volume /Flow** Vs time

3. **Existing Amended Specification:**

   Para 17. Should have a battery backup of atleast 2 Hr.

   Read as: Should have battery backup of **atleast 60 minutes**

   The Monitor should have the following

4. **Existing Amended Specification:**

   Para 2. Should have atleast 19"TFT colour display with up to 12 waveforms at a time

   Read as: Should have atleast **17" or more** TFT colour display with up to 12 waveforms at a time

5. **Existing Amended Specification:**

   Para 12.1: The machine should be internationally reputed company and should be USFDA approved

   Read as: The quoted model should be **European CE or US FDA** approved

6. **Existing Amended Specification:**

   Added Para: ready to run Web based application like PACS,HIS,RIS,LIS,Cath lab Report, X-Ray as standard on the patient monitor.

   Read as: ready to run Web based application like PACS,HIS,RIS,LIS,Cath lab Report, X-Ray as standard on the patient monitor **(optional – price to be quoted separately)**

Schedule no. 3
Defibrillator with CPR monitoring and TC pacing

1. **Existing Specification:**

   Para 12: The Unit should be U.S.F.D.A approved

   Read as: The Unit should be **U.S.F.D.A or European CE** approved

Schedule no. 6
Difficult Airway Management Cart

2. **Existing Specification:**

   Para: Should be US FDA & ISO approved.

   Read as:
   Should be US FDA or European CE approved product & manufacturer should be ISO certified

Schedule no. 7
Non Invasive Cardiac Support Pump with Defibrillator

1. **Existing Specification:**

   Para 24: It should be U.S.F.D.A approved

   Read as:

   Para 24:The Unit should be **U.S.F.D.A or European CE** approved

Schedule no. 11
Recovery ward modular Monitors

1. **Existing Amended Specification:**

   Para 3. Portable with weight less than **7 kg** including battery.

   Read as: Portable with weight less than **8 kgs** including battery.

2. **Existing Amended Specification:**

   Para 8: Facility to monitor last min **48 Hours** or more graphical and numerical trends having options to select the items to be displayed in NIBP trend table.

   Read as: Facility to monitor last min **24 Hours or more** graphical and numerical trends having options to select the items to be displayed in NIBP trend table.

3. **Existing Amended Specification:**

   Para 11. Review up to 48 hours files for the numeric data of alarm occurrences from the alarm history table.

   Read as: Review up to **24 hours files** for the numeric data of alarm occurrences from the alarm history table.

4. **Existing Amended Specification:**

   Added Para. The rate of NMT and EEG module should be quoted separately and data should be displayed on the monitor

   Read as: The rate of NMT and EEG module should be quoted separately and data should be displayed on the monitor. **(Optional – Price to be quoted separately)**

Schedule no. 13
ICU VENTILATOR

1. **Existing Specification:**

   Para 5 Should have the facility for following settings
   a) Tidal Volume: Minimum 2 ml and maximum of 1500 ml or more in Volume control

   Read as: Tidal Volume: **Minimum 5ml** and maximum of 1500 ml or more in Volume control

2. **Existing Specification:**

   Para 5 d) Flow Pattern: Square, Decelerating, **Sinusoidal**

Read as: Flow Pattern: Square, Decelerating

3. **Existing Specification:**

Para 7. Should have built-in ultrasonic nebuliser

Read as: **In-line Nebuliser with capability of producing < 3 micron drug particle.**

4. **Existing Specification:**

Para 19: Should be CE **&** US F.D.A. approved

Read as: Should be European CE **or** US F.D.A. approved

5. **Existing Amended Specification:**

Para 20. Ventilator should have external compressor and cost should be quoted separately**.**

Read as: Ventilator should have external compressor, from the same manufacturer **(Optional - price to be quoted separately).**

6. **Existing Amended Specification:**

Added Para: **Compressor should be US-FDA approved.**

Read as: Compressor should be **US-FDA or European CE** approved.

Schedule no. 14
Specification for high-end Monitor for ICU with CNS

1. **Existing Amended Specification:**

Para 2. Monitor must have bright, highly visible minimum **19"** or more color TFT display with full touch screen facility.

Read as: Monitor must have bright, highly visible minimum **15" or more** color TFT display with full touch screen facility.

2. **Existing Specification:**

Para 18**.** Monitor must have facility to display 12 lead ECG **with simultaneous interpretation results.**

Read as: Monitor must have facility to display 12 lead ECG.

3. **Existing Amended Specification:**
Added Para 8:-To provide suitable facility for sending and receiving DICOM compatible radiological images like Ultrasound, X-ray etc to and from monitoring network to and from HIS, RIS etc for integration of various information .

Read as: To provide suitable facility for sending and receiving DICOM compatible radiological images like Ultrasound, X-ray etc to and from monitoring network to and from HIS, RIS etc for integration of various information **(Optional-Price to be quoted separately)**

4. **Existing Amended Specification:**

   Para 28:- Monitor must be U.S. FDA **and** European CE approved.

   Read as: Monitor must be U.S. FDA **or** European CE approved.

Schedule no. 15
DVT Pump

1. **Existing Specification:**

   Para 1. Increases blood flow – Velocity by over 220% on resting mode.

   Read as: **Deleted**

Schedule no. 18
Lead ECG Machine

1. **Existing Specification:**
   Para 4. Manual, automatic and ECG recall

   Read as: **Deleted**

2. **Existing Specification:**

   Para 6. Complete digital filters, avoids baseline drft, AC (ON/Off) and EMG (25 Hz/35Hz/off) interface , low pass filter(150 Hz/100 Hz/75 Hz), DFT Filter.

   Read as: **Deleted**

3. **Existing Specification:**

   Para 9 Auto updation of patient – ID

   Read as: **Deleted**

4. **Existing Specification:**

   Para 13 Average template recording (use selectable)

   Read as: **Deleted**

5. **Existing Specification:**

   Para 15 Alarm information for lead off, lack of paper, Hi & low alarm, ECG signal overload and low battery capacity.

   Read as: **Deleted**

Schedule no. 19
SPECIFICATION FOR TRANSPORT VENTILATOR

1. **Existing Specification:**

   Para: It should work with external high pressure source/cylinders.

   Read as: It should work with external **high pressure and low pressure** source/cylinders and **Low flow O2.**

2. **Existing Specification:**

   Para: Should have spontaneous ventilation with pressure support and PEEP applicable to Non-invasive ventilation with pressure safety mode.

   Read as: **Deleted**

3. **Existing Specification:**

   Para: The ventilator should have proper valid US FDA **&** CE certification.

   Read as:
   The ventilator should have proper valid US FDA **or** European CE certification.

4. **Existing Amended Specification:**

   Para: Volume controlled modes (CMV & ACMV) BiPAP/PCV,PSV with PEEP.

   Read as: Volume controlled modes (CMV, ACMV) **BiPAP and PCV, PSV** with PEEP.

Schedule no. 20
TRANSPORT MONITOR

1. **Existing Amended Specification:**

   Para: Modular monitor High – resolution colour TFT display of minimum screen size ≥ 6".

   Read as: **Modular monitor** High – resolution colour TFT display of minimum **10" or more**

2. **Existing Amended Specification:**

   Para: Plethysmograph with prefusion indicator.

   Read as: Plethysmograph with prefusion indicator **(optional – price to be quoted separately)**

3. **Existing Specification:**

   Para: Should have option to attach inbuilt two channel recorder

   Read as: Should have inbuilt **three channel** recorder

Schedule no. 21
Non-invasive ventilator

1. **Existing Amended Specification:**

   Para: Should be USFDA **and** European CE, approved product.

   Read as: Should be USFDA **or** European CE approved product

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