

Amendment No. 2**Date: 15/02/2014****Subject: Amendment to the tender Enquiry Document****Ref: Tender Enquiry No.: HLL/PCD/PMSSY-II/Nagpur/01/13-14 dated 29/12/2013
read with Amendment no. 1 dated 28/01/2014**

The following changes have been incorporated in the referred tender .

SECTION-I**NOTICE INVITING TENDERS (NIT)****Existing:**

Sl. No.	Description	Schedule
i.	Dates of sale of tender enquiry documents	30.12.2013 to 15.02.2014 , 1000 hrs to 1600 hrs IST
vi.	Closing date & time for receipt of Tender	17.02.2014, 1400 hrs IST
vii.	Time and date of opening of Techno – Commercial tenders	17.02.2014, 1430 hrs IST

Amended as:

Sl. No.	Description	Schedule
i.	Dates of sale of tender enquiry documents	30.12.2013 to 03.03.2014 , 1000 hrs to 1600 hrs IST
vi.	Closing date & time for receipt of Tender	04.03.2014, 1400 hrs IST
vii.	Time and date of opening of Techno – Commercial tenders	04.03.2014, 1430 hrs IST

Section – VII Technical Specifications

Item No: 1 DEFIBRILLATOR BIPHASIC

Existing Para:-

- 3.1 Should be a low energy biphasic defibrillator monitor with recorder, having capability to arrest all arrhythmia. Up to – 200-360 joules.

Read as:-

- 3.1 Should be a low energy biphasic defibrillator monitor with recorder, having capability to arrest all arrhythmia.

Existing Para:-

- 3.2 Should monitor ECG through external paddles and monitoring electrodes and defibrillate through external paddles. Should have automatic lead switching to see patient ECG through paddles or leads. Changing time should be 0.5 sec for maximum energy.

Read as:-

- 3.2 Should monitor ECG through external paddles and monitoring electrodes and defibrillate through external paddles. Should have **automatic/manual** lead switching to see patient ECG through paddles or leads.

Existing Para:-

- 3.5 Should have charging time of less than **10 seconds** for maximum energy. Charging indicator should be there.

Read as:-

- 3.5 Should have charging time of less than **8 seconds** for maximum energy. Charging indicator should be there.

Existing Para:-

- 3.6 Should have bright TFT colour display for viewing messages and ECG waveform of 4 seconds.

Read as:-

- 3.6 Should have bright TFT colour display **at least 8”** for viewing messages and ECG waveform of 4 seconds.

Existing Para:-

- 3.10 Should be capable of printing reports on event summary, configuration, self-test, battery capacity etc.

Read as:-

- 3.10 Should be capable of printing reports on event summary, configuration, self-test etc.

Item No: 2
DEFIBRILLATOR WITH ECG MONITOR

Existing Para:-

- 2.4 Should work on Manual and Automated external defibrillation (AED) in Bi-phasic mode at least 200J or more (optional). The maximum energy delivered by the device should be at least 200J or more (optional). In AED mode biphasic shocks should be delivered in escalating strengths with inbuilt trans-thoracic impedance compensation as mentioned below.

Read as:-

- 2.4 Should work on Manual and Automated external defibrillation (AED) in Bi-phasic mode at least 200J or more. In AED mode biphasic shocks should be delivered in escalating strengths with inbuilt trans-thoracic impedance compensation as mentioned below.

Existing Para:-

- 3.2 Should monitor ECG through external paddles and monitoring electrodes and defibrillate through external paddles. Should have automatic lead switching to see patient ECG through paddles or leads.

Read as:-

- 3.2 Should monitor ECG through external paddles and monitoring electrodes and defibrillate through external paddles. Should have **automatic/manual** lead switching to see patient ECG through paddles or leads.

Existing Para:-

- 3.6 Should have bright TFT colour display for viewing messages and ECG waveform of 4 seconds.

Read as:-

- 3.6 Should have bright TFT colour display **size 8"-12"** for viewing messages and ECG waveform of 4 seconds.

Existing Para:-

3.10 Should be capable of printing reports on event summary, configuration, self-test, battery capacity etc.

Read as:-

3.10 Should be capable of **inbuilt printing for** printing reports on event summary, configuration, self-test etc.

Existing Para:-

7.1 Should be US-FDA and CE approved product

Read as:-

7.1 Should be **US-FDA and/or European CE** approved product.

Item No: 3

DEFIBRILLATOR WITH MONITOR

Existing Para:-

3.2 Should monitor ECG through external paddles and monitoring electrodes and defibrillate through external paddles. Should have automatic lead switching to see patient ECG through paddles or leads.

Read as:-

3.2 Should monitor ECG through external paddles and monitoring electrodes and defibrillate through external paddles. Should have **automatic/manual** lead switching to see patient ECG through paddles or leads.

Existing Para:-

3.5 Should have charging time of less than 5 seconds for maximum energy.

Read as:-

3.5 Should have charging time of less than **10** seconds for maximum energy.

Existing Para

3.6 Should have bright TFT colour display for viewing messages and ECG waveform of 4 seconds.

Read as:-

- 3.6 Should have bright TFT colour display of **at least 8"-12"** for viewing messages and ECG waveform of 4 seconds.

Existing Para

- 3.10 Should be capable of printing reports on event summary. Configuration. Self-test. Battery capacity etc.

Read as:-

- 3.10 Should be capable of **inbuilt printer** for printing reports on event summary, configuration, self-test etc.

Existing Para

- 7.1 Should be US-FDA and CE approved product.

Read as:-

- 7.1 Should be **US-FDA and/or European CE** approved product.

Item No: 5

ECG MACHINE WITH 12 LEADS

Existing Para:-

16. Frequency response 0.05 Hz to 129 Hz.

Read as:-

16. Digital Filter range should be from **0.05Hz to 150Hz**.

Existing Para:-

18. Should have safety certificate from a competent authority CE / FDA(US) STQC CB certificate / STQC S certificate or valid detailed electrical and functional safety test report from ERTL. Copy of the certificate / test report shall be produced along with the technical bid.

Read as:-

18. **Should have safety certificate from a competent authority European CE / FDA (US)**

Item No: 6

FIBEROPTIC LARYNGOSCOPE

Existing Para:-

5. **Light source equipment (24 w high Lux light source) with integrated key board Power supply – 110-240 VAC, (50-60 Hz) -Xenon light source equipment with twin bulb facility Two bulb fitted with light source machine, one xenon bulb 150 w extra to be supplied = Total three bulb to be supplied.**

Read as:-

5. **Twin Halogen Light source equipment -Twin bulb facility and extra one halogen bulb 250Watt to be supplied.**

Existing Para:-

10. Voltage stabilizer- 0.5 KV.

Read as:-

10. **Should supply Voltage stabilizer of 0.5 to 01 KVA (one) & suitable UPS for 60 min back up Quantity- 1(one).**

Item No: 7

FLEXIBLE NASOPHARYNGO LARYNGOSCOPE

Existing Para

- 11- Cold Light source – 175 Xenon lamp, light source twin bulb. Voltage 230v, Lamp power 24, 250W. Number of lamps 2. No. of cooling fans 2, type of lamp – with reflector, Type of lenses – condenser type, variable light intensity with heat Absorbing filter, constant colour, 1 spare halogen lamp and spare fuse.

Read as Para

- 11 - Cold Light source – 175 Xenon lamp, light source. Voltage 230v, lamp – with reflector, Type of lenses – condenser type, variable light intensity with heat Absorbing filter, constant colour, 1 spare halogen lamp **250Watt** and spare fuse.

Item No: 8

BLOOD GAS ANALYZER WITH ELECTROLYTES

Existing Para:-

- 2 - Instrument should be able to measure accurately within clinical range and resolution of the following measured parameters pH, pCO₂, pO₂, Sat O₂ (SO₂), tHb, Hct, Na⁺, K⁺, Ca⁺⁺, Cl, Baro.

Read as:-

- 2- Instrument should be able to measure accurately within clinical range and resolution of the following measured parameters pH, pCO₂, pO₂, tHb, Hct, Na⁺, K⁺, Ca⁺⁺, Cl, Baro.

Existing Para:-

- 3 - It should also have following Calculated parameters:-
q) - MCHC middle corpuscular Hb concentration.
r) - Osmolality (Osm)

Read as Para:-

- 3 - It should also have following Calculated parameters:-
q) - **Deleted**.
r) - **Deleted**

Existing Para:-

- 4 – h) It should have highly accurate multi wavelength oxymetry measurement technology featuring ultrasonic hemolysis of sample within measuring chamber to avoid dilution, contamination, and air bubbles. Self – cleaning measuring cuvette to eliminate clots and for maintenance free operation. It should feature automatic quality control with built in QC module with random access of the on board QC ampoules.

Read as Para:-

- 4 – h) **Deleted**

Item No: 10

NEONATAL VENTILATOR

Existing Para:-

- 3.3 Should have the facilities for following setting and display for child & Neonates
a) Tidal Volume (5 – 200ml).

Read as:-

- 3.3 Should have the facilities for following setting and display for child & Neonates
a) Tidal Volume (**2 – 200ml**).

Existing Para:-

- 3.7 Reusable and autoclavable sensors should be automatically calibrated every time it is switched on

Read as:-

- 3.7 Reusable and autoclavable sensors **should automatically go for calibration every time** it is switched on.

Item No: 11

Power Instrument Drill and Saw etc.

Existing Para:-

1. Future navigation interface for joint replacement surgery

Read as:-

1. Future navigation interface for joint replacement surgery (**Optional**)

Existing Para:-

6. Quick coupling modified
Reamer attachment
Cannulated
Maximum speed: up to 900 rpm.

Read as:-

6. Quick coupling **Hudson** modified
Reamer attachment
Cannulated
Maximum speed: up to 900 rpm.

Existing Para:-

7. Quick coupling for Kirschner wires
For diameter 1.0 to 4.0 mm
Maximum speed: 930 rpm

Read as:-

7. Quick coupling for Kirschner wires
For diameter **0.8 to 3.0 mm is must 3.0 to 4.0 mm Desirable.**

Maximum speed: 930 rpm.

Existing Para:-

11 :- Battery reciprocator (hand piece)

Variable frequency of 14000-30000 osc / min
Typical charging time of max 90 mins
Click in saw blade fixation
Saw blade for reciprocating saw
Variable in length, width and thickness
US FDA approved.

Read as :- 11 :- Battery reciprocator (hand piece)

Variable frequency of **13000-14000 osc / min**
Typical charging time of max 90 mins
Click in saw blade fixation
Saw blade for reciprocating saw
Variable in length, width and thickness
US FDA approved.

Item No: 12

Pulse Oximeter

Existing Para :-

1.1 A pulse oximeter is a medical device that indirectly measures the amount of oxygen in a patient's blood (as opposed to measuring oxygen saturation directly through a blood sample) and changes in blood volume in the skin, producing a photoplethysmograph

Read as :-

1.1 Should be light weight convenient handheld device with a long battery life.Should have three SpO2 sensitivity modes that would include normal and maximum.Should be upgradeable to non invasive co-oximetry.Should have rotational screen in the handheld - automatically changes to horizontal or vertical view.Should provide 96 hours of trending with a 2 second resolution.

Existing Para:-

3.1 Display- LCD, Backlight illuminated.

Read as:-

3.1 Display- LCD, Backlight illuminated **with Nellcor technology or equivalent.**

Existing Para:-

3.3 SPO2 range- 70-100 %.

Read as:-

3.3 SPO2 range- 1-100 %. **Resolution 1%**

Existing Para:-

3.5 Pulse rate range should be 30-240 bpm

Read as:-

3.5 Pulse rate range should be **25-240 bpm. Resolution 1BPM**

Added para –

1. **Perfusion: 0.02% - 20%**
2. **Accuracy Levels Saturation Range 70% to 100% ±3 digits [No Motion], ±2 digits [Motion], ±3 digits [Motion Ped], ±2 digits [Low Perfusion], ±3 digits [Low Perfusion neo].**
3. **Pulse Rate 25 - 240bpm ±3 digits [No Motion], ±5 digits [Motion], ±3 digits [Low Perfusion]**

Item No: 16

VIDEO BRONCHOSCOPE

Existing Para - Bronchoscope

1. The working length of the Bronchoscope should be 60 cm or more.
2. The outer diameter should not exceed 4.0 mm (lesser diameter preferable)\
3. Range of bending at the tip should be minimum 150 degrees up and 100 degree down.
4. Outer channel – Not more than 4.0 mm

Read As para - Bronchoscope

1. The working length of the Bronchoscope should be 60 cm or more.
2. The outer diameter should not exceed **6.0 mm** (lesser diameter preferable)\
3. Range of bending at the tip should be minimum **180** degrees up and **130** degree down.
4. Outer channel – Not more than **6.2 mm**

Existing Para - LIGHT SOURCE

- Compatible light source for color CCD video Bronchoscope system
- Automatic light adjustments to maintain optimum brightness
- Xenon lamp 300 W
- It should be supplied with suitable voltage stabilizer.

Read As Para - LIGHT SOURCE - LED

- Compatible light source for color CCD video Bronchoscope system
- Automatic light adjustments to maintain optimum brightness
- **LED**
- It should be supplied with suitable voltage stabilizer.

Existing Para - RECORDER

- Ability to record in digital format with ability to output image and video sequences in CD/DVD Rom

Read As Para - RECORDER

- Ability to record in digital format with ability to output image and video sequences in CD/DVD Rom **and Flash drive and external hard drive of 01 TB**

Added Para –

1. **Suitable On-line UPS for half hour backup.**
2. **Scope working length around 600mm**
3. **Scope total length around 870mm**

Item No: 17
VIDEO-LARYNGOSCOPE (ENT Department)

Existing Para 1 :- Cold Light Source – Xenon

Cold Light Fountain XENON 300 with one 300 Watt XENON lamp and one light outlet. Power supply 100-125 / 220-240 VAC, 50 / 60 Hz consisting of XENON 300 400A Mains cord. High light intensity due to 175 W Xenon lamp. Light intensity continuously manually adjustable.

Read as :- Cold Light Source – Xenon

Cold Light Fountain XENON 300 with one 300 Watt XENON lamp and one light outlet. Power supply 100-125 / 220-240 VAC, 50 / 60 Hz consisting of XENON 300 400A Mains cord. High light intensity due to **300 W** Xenon lamp. Light intensity continuously manually adjustable.

One extra bulb of 300 W

Existing Para 7 :- Digital Endoscopic Camera System 3 Chip Camera

- Camera should be autoclavable

Read as :- Digital Endoscopic Camera System 3 Chip /**HD** Camera.

All other contents of the tender enquiry read with its earlier amendment including terms & conditions remain unaltered.