Date: 18/06/2015

**Amendment No: 1**

**Ref:** Tender Enquiry No: HLL/BME/Calibration-06/15-16 Dated 11.06.2015

Pre-Bid meeting against the referred tender was held on 18/06/2015 at HLL Lifecare Ltd., Thycaud, Trivandrum- 695 014

The following amendments are issued with respect to the above Tender Enquiry Document.

**I )Technical Specification**

**Item No 3**

**Power and Energy Analyzer**

***Point 2.2***

***Existing Specification****:* Current Measurement Range (ac+dc): 5A to 600A

***Amended as:*** Current Measurement Range (ac+dc): 0.5A to 600A

***Following lines are added to the existing specification:***

***Point 2.4*:** Provision for Invertor efficiency is desirable.

**Item No 4**

**Endoscope Tester**

***Point 3.1***

***Existing Specification:***Comprehensive warranty for 2 years

***Amended as****: deleted*

**Item No 6**

**Data logger temperature**

***Point 3.1***

***Existing Specification****:*Data logger with at least 12 channels- 01

***Amended as:*** Data logger with at least 10 channels and upgradable- 01

***Point 4.2***

***Existing Specification****:*During the warranty period, the equipment should be calibrated free of cost

***Amended as:***deleted

**Item No 10**

**Spectrum Analyzer**

***Point1***

***Existing Specification:*** Should be a spectrum analyser to measure occupied Bandwidth, Channel Power, ACPR, C/I, Field Strength, Spectral Emissions, Interference like Spectrogram, Signal Strength, RSS etc.

***Amended as:*** Should be a spectrum analyser to measure occupied Bandwidth, Channel Power, ACPR, C/I, Field Strength, Spurious Emissions, Signal Strength etc.

***Point 2.1***

***Existing Specification:*** Frequency: 9 KHz to 3GHz

***Amended as:***Frequency: 9 KHz to 9GHz

***Point 2.10***

***Existing Specification:*** should to be able to plot RSSI on on-screen map

***Amended as:***deleted

***Point 2.11***

***Existing Specification****:* Should have Interference Mapping

***Amended as:***deleted

**Item No 15**

**Laser Power Meter**

***Point 2.5***

***Existing Specification:***The device should have peltier based thermal head with wavelength range 180 to 20,000 and input power range 1 mW to 20 W

***Amended as:***Deleted

***Point 3.4***

*Existing Specification:* Thermal detector head - 01

*Amended as:* Deleted

**(II)Section VI *List of Requirements***

***Amended as***

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. No.** | **Item** | **Warranty period (yrs.)** | **CMC period (yrs.)** |
| 1 | Dialysis Reference Meter | 2 | 5 |
| 2 | Phototherapy Radiometer | 2 | 5 |
| 3 | Power Analyzer | 2 | 5 |
| 4 | Endoscope Tester | Nil | Nil |
| 5 | CR/DR Test tool | Nil | Nil |
| 6 | Data Logger | 2 | 5 |
| 7 | Frequency Counter | 2 | 5 |
| 8 | Earth Tester | 2 | 5 |
| 9 | Ultrasound Leakage Tester | 2 | 5 |
| 10 | Spectrum analyzer | 2 | 5 |
| 11 | Ultrasound Phantom | Nil | Nil |
| 12 | Mammography Phantom | Nil | Nil |
| 13 | CT Imaging Phantom | Nil | Nil |
| 14 | High & Low Contrast Tool(s) | Nil | Nil |
| 15 | Laser Power meter | 2 | 5 |

**(III)Service Manuals should be provided with Item no 1 Dialysis Reference meter, Item no 6 Data Logger, Item no 7 Frequency Counter, Item no 8 Earth Tester, Item no 9 Ultrasound Leakage Tester, Item no 15 Laser Power meter.**

All other contents, terms & conditions of the tender enquiry remain unchanged.