

**GOVERNMENT OF INDIA
MINISTRY OF EXTERNAL AFFAIRS**

AMENDMENT-VI

Dated: 02.05.2012

Subject: Supply, Installation, Testing and Commissioning of Medical Equipments & CSSD Equipments for 200 Bedded **Nepal-Bharat Maitri Emergency and Trauma Center (NBMETC), Kathmandu, Nepal.**

IFB Ref: HSCC/PUR/NEPAL/2012/A-B dated 20.03.2012.

Technical Clarifications-III

Technical Queries of the Prospective Bidders during the pre-bid meeting held on 02.04.2012 at 10:00 AM for the procurement of Medical Equipment for 200 Bedded Emergency and Trauma Hospital at Kathmandu, Nepal along with reply to the queries:

| S.No. | Technical Queries by Prospective Bidders | Replies to Queries |
|--|--|--|
| Item No.31 (OT Table for General Surgery) | | |
| 1. | Table should be mobile, electrically controlled with Battery Operated | No Change. Technical specifications provided in the tender document will remain unchanged. |
| 2. | The table should have 100% C-Arm coverage with longitudinal shift or 200mm-600mm, as required | |
| 3. | Table top adjustable from 65-100cm | |
| 4. | Head Break 15 deg up and 90 down with manual operations | |
| 5. | Shall Meet IEC 60601-1-2:2001 (or Equivalent BIS) General Requirements of safety for Electro Magnetic Compatibility and should comply with 89/366/EEC; EMC-directive. | |
| Item No.32: Ceiling OT Lights-Twin LED Lights | | |
| 1 | The Specifications are for one particular product of one company who make the Branded LED OT Lights under the Brand Name: iLED5 and iLED3. Request to amend the specifications for the Generic 'OT Lights with LED Technology'. | Modified/Revised specifications are attached at Annexure-A of this amendment. |
| 2. | Specifications are tailor made which belong to a particular company since the model number has also been mentioned i.e. iLED5/iLED3 Agency to participate if the specifications are broad based so that a fair competition is possible. | |

The tender document is amended/clarified to the extent of Addendum-I dated. 11.04.2012, Addendum-II dated. 13.04.2012, Amendment-I dated. 12.04.2012, Amendment-II dated 16.04.2012, Amendment-III dated 20.04.2012, Amendment-IV dated 20.04.2012, Amendment-V dated 25.04.2012 and Amendment-VI dated 02.05.2012. All other terms & conditions of the tender document will remain unchanged

All subsequent updates, amendments, corrigendum's etc related to this tender will only appear on websites www.hsccltd.co.in or www.mea.gov.in or www.eprocure.gov.in

Joint Secretary (North)
Ministry of External Affairs
Govt. of India

ANNEXURE-A

OT LIGHT WITH CAMERA WITH MONITOR

Description: Dual Dome LED Surgical Lighting System with one dedicated Spring-Arm Suspension for Progressive Scan HD Flat Panel with an Integrated In-Light Camera System.

A. OT Light

Operating Room Surgical Lighting System should provide an ideal combination of brightness, maneuverability, and shadow resolution without sacrificing color accuracy through a consistent Halogen lamp based technology with a unique faceted reflector design technology.

Such Lighting System should have the following technical specifications:

| | | |
|----------------------------|---|--|
| Number of Light heads | : | Two per suspension |
| Number of LEDs | : | minimum 90 LEDs |
| Color Temperature | : | 4000 - 5000 K |
| Field Size Diameter Depth | : | 6 inch – 12 inch |
| Depth of Field | : | 30 - 35 inch |
| Illumination Level | : | minimum 160,000 Lux |
| Controls | : | Wall Control, Touch – Panel, Voice Capable |
| Rotation | : | 360 degrees |
| Vertical Adjustment Range | : | + 20 inch - 25 inch |
| Sterilizable Handle | : | Yes |
| Lighthouse Diameter | : | 22 – 30 inch |
| Mounting Type | : | Ceiling |
| Supply Voltage | : | 100-230VAC 50/60Hz |
| Bulb Type | : | LED |
| Dimming Range | : | 30% - 100% |
| Operating/Storage Humidity | : | 10-95% |
| Life of Light Source | : | >30,000 Hrs |

B. Camera System

Description : Integrated In-Light Camera System should be integrated at the centre of one of the domes of this lighting system in order to capture images & video sequences of the open cases.

Such a camera should have the following specifications:

| | | |
|-----------------------------------|---|---------------------------|
| Signal to Noise Ratio (S/N Ratio) | : | <50 dB. |
| Minimum Illumination | : | <3 lx |
| Optical Zoom | : | 25 - 30x. |
| Digital Zoom | : | 12-15X |
| Power Supply | : | Through Light / max. 12W. |
| Relative Humidity | : | <90%. |
| Video Output | : | S-Video & Composite Video |
| White Balance & Gain | : | Automatic/Manual |

Such Surgical Light System Should be compliant with relevant European/US standards

Such Light and Integrated Camera should have a control through Touch Panel of the control equipment placed inside the operating room at documentation station / nurse works station.

C. Flat Panel Monitor

Should be 26" High Definition Progressive Scan Flat-panel Monitors with ceiling mounted spring arm suspension to support high-definition/HDTV progressive Scan images and should be able to support and display DVI/HDTV, RGBHV, S-Video, Composite video signals.

The flat Panel suspension should be ready with the cables for integration of High Definition Digital (DVI/HDTV), RGBHV(High Resolution), SVHS(S-Video), Composite video signals to travel from the various sources of video like endoscopic camera, room camera, in light camera, high definition flat panel monitors, while assuring native resolution / signal.

Such Monitor should at least meet the following technical criteria:

| | |
|---------------------------|--|
| Resolution | : 1600 dots x 1200 dots, Progressive Scan |
| Display Colors | : 16 Million Colors |
| Inputs | : DVI, RGBHV, S-Video, Composite Video |
| Synchronization | : 2.5 – 5.0 Vpp separated sync |
| Response time | : < 25ms |
| Travel | : 330° - 340° |
| Forward Tilt | : 30° - 40° |
| Backward Tilt | : 45°- 50° |
| Cable Kit for Integration | : DVI, Fiber Optic, RGBHV, S-Video, Composite |
