

## **Amendment XX**

HSCC/SJH/MED.Equt./2016 Dated: 23.08.2016

**Ref: Tender No. HSCC/SJH/Med. Eqpt./2015/13 Dated: 13.03.2016**

**Subject: Procurement of Medical Equipment for New Emergency Block & Super-Specialty Block at Safderjung Hospital, New Delhi**

**Technical Amendment for item no 4 and 6**

**Item No. 4. Heart Lung Machine**

- a) **Existing as: (point 2. a) the unit** should have 5 pumps and can be used as arterial, two suction, vent and cardioplegia with separate power supply and control modules. Should have easy access connectors for interchanging the pump. Should have integrated centrifugal pump facility.

**Amended as:**

The unit should have 5 pumps and can be used as arterial, two suction, vent and cardioplegia with separate power supply and control modules. Should have easy access connectors for interchanging the pump.

- b) **Existing as: (point 2. b)** The design of pump must be horse shoe race way design and the pumps should have direct drive system and maintenance free. All the pumps should have pulsatile mode in built. Each module should work its own

**Amended as:**

The design of pump must be horse shoe or U Shaped race way design and the pumps should have direct drive system and maintenance free. All the pumps should have pulsatile mode in built. Each module should work its own.

**Existing as: (point 2. g)** should have unidirectional hand crank facility as a critical safety feature hand crank loading should be from top for faster access

**Amended as:** should have unidirectional /Bidirectional hand crank facility as a critical safety feature hand crank loading should be from top for faster access

**Existing as: (point 2. I)** Occlusion: should have Thump wheel locking Mechanism

**Amended as:** Occlusion: should have thump wheel locking Mechanism or any other mechanism.

**Existing as: (point 2. j)** Monitor Pressure (2), Timers (3), Temperature Monitor (4) and all the monitors should be touch screen.

**Amended as:** Monitor Pressure (2), Timers (3), Temperature Monitor (4) and all the monitors should be touch screen or manual.

**Existing as: (point 2. q)** Must have Master UPS – shows all the details like Battery time, Load time & Remaining time. Should have BSA Calculation.

**Amended as:** Must have Master UPS – shows all the details like Battery time, Load time & Remaining time.

**Existing as: (point 2.1 F)** Provision of Feeling the flow constant for using the tubing of unknown ID

**Amended as: Point Deleted**

**Existing as: (point 3 b.)** HEATER COOLER MACHINE: The unit should have 3 independent tanks and 3 separate circuits and these circuits should be able to control patients' temperature and also heating and cooling of cardioplegia and should work simultaneously.

**Amended as:** The unit should have 2/3 independent tanks and 2/3 separate circuits and these circuits should be able to control patients' temperature and also heating and cooling of cardioplegia and should work simultaneously.

**Existing as: (point 3 C.)** The accuracy should be 0.1 C. Settings should be adjustable to 0.1

**Amended as:** The accuracy should be 0.1-0.3 C. Settings should be adjustable to 0.1-0.3C

**Technical Amendment: -  
Item No. 6. Sternal Saw**

### **Technical Specification for Sternal Saw**

1. The Sternal Saw should be light weight and provide clear line of sight
2. The Sternal Saw should operate through a flexible drive cable by an electric motor.
3. It should be able to ETO Sterilized/autoclaved.
4. The blade holding mechanism should be chuck type assembly for quickly replacing the blades.
5. The reciprocating blade should have a 5-7 mm stroke length.
6. The saw should have a blade protector on it and blade protector should be easily replaceable.

7. Foot switch should permit variable saw speeds.
8. The system operates on 220V/250V, 50Hz, single phase.
9. It should be European CE & UD FDA approved.
- 10.AMC for 5 years
- 11.Demonstration of the apparatus is must.

The bid submission date is extended up to 31.08.2016

**All other tender terms and conditions remain unchanged**  
**Amendment to be issued will be uploaded on website [www. Tenderwizard.com/HSCC](http://www.Tenderwizard.com/HSCC) & [www.hsscltd.com](http://www.hsscltd.com)**

Submitted for approval please

Sr. Manager (BME)

G.M (Proc.)

CGM

**CGM**