

AMENDMENT-II

Ref.: IFB No. HSCC/SJH/Medical Equipment/2016/29 Dated 29.03.2017

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

Pre bid queries are being examined for item no. 2,3, the bid submission date is extended from from 27.04.2017 to 04.05.2017

Regarding item no. 1 and 4 the technical amendment given below. The bid submission date is extended from 27.04.2017 to 04.05.2017

Item No. 1

Amended Specification of Cardiac Defibrillator

Description of Function

1. Defibrillator should use low energy biphasic waveform for delivering shock energy & must have energy selection 2-200 j and more as per AHA 2010 & 2015 guidelines in AED as well as manual mode.
2. Should have facility to do ECG monitoring from 3-5 leads , with screen size >5”
3. Must be capable of monitoring ECG through ECH cables, multiple functions electrode /pads & external paddles.
4. Unit should have adult & in built pediatric external paddles & should be able to defibrillator both adult & pediatric patients with charging time of <5 seconds.
5. Facility for increase/ decrease energy selection on paddles as well as on the unit. Should have ECG print out facility.
6. Machine should be compact & portable with in-built rechargeable battery for at least 3 hr. of continues ECG monitoring & should be weighing less than 10 kg. With battery & paddles.
7. Defibrillator should have facility to upgrade for external pacing Spo2 & Etco2 monitoring parameters.

8. Should have user selectable alarm setting .should work on mains as well as rechargeable battery.
9. Should be supplied with following accessories :
 - i. 3/5 lead ECG cable – 2 Nos.
 - ii. External Defibrillator paddles (Ped & adult) – 1 Nos.
 - iii. Multi- functions defibrillator & monitoring pads- 5 Nos.
10. Should be US FDA approved product approved for use in US.

Item No. 4

4D (Live 3D) Echocardiography colour Doppler system:

Point No	Existing as	Amended as
B 2	System should have minimum 800,000 digitally scalable channels for simultaneous formation, acquisition and processing of multiple ultrasound beams and has system architecture to process an entire bandwidth of frequencies form 1MHz to 10 MHz System should support pulse coding and pulse shaping technologies. Please mention number of digital channels in technical bid and highlight same in specification sheet	System should have minimum 800,000 digitally scalable channels for simultaneous formation, acquisition and processing of multiple ultrasound beams and has system architecture to process an entire bandwidth of frequencies form 1MHz to 10 MHz System should support pulse coding and pulse shaping technologies. Please mention number of digital channels in technical bid and highlight same in specification sheet
B 3	System should have a dynamic range of minimum 200 DB so that variety of patient sizes can be handled without compromise. Please mention dynamic range in the technical bid with supporting specification sheet.	System should have a dynamic range of minimum 280 DB so that variety of patient sizes can be handled without compromise. Please mention dynamic range in the technical bid with supporting specification sheet.
B 4	System should be capable of supporting second generation LIVE 3D matrix	System should be capable of supporting second generation LIVE 3D matrix

	Transducer capable of supporting LIVE 3D image quality on the matrix array transducer with a 3D data processing speed at 64 mega voxels per second. Please mention 3D Data processing speed in technical bid.	Transducer capable of supporting LIVE 3D image quality on the matrix array transducer with a 3D data processing. Please mention 3D Data processing speed in technical bid.
B 7	System should have Live 3D Echocardiography capability with Color Flow Imaging.	System should have Live 3D Echocardiography capability with Color Flow Imaging with single beat.
B 21	System should have storage facility of images, loops in the hard disk drive of 160 GB or more. System should be able to transfer Images & clips to CD & DVD media	System should have storage facility of images, loops in the hard disk drive of 500 GB or more. System should be able to transfer Images & clips to CD & DVD media
B 22 a)	Adult Echo Live 3D Echo Transducer with frequency ranging from 1-5 MHz: one	Adult Echo Live 3D Echo Transducer with frequency ranging from 1- 5 +/-1 MHz:- one
B 22 b)	Vascular Transducer (Linear Array) with frequency ranging from 5-11 MHz: One	Vascular Transducer (Linear Array) with frequency ranging from 5-11 +/-1 MHz: One
B 22 e)	Regular adult TEE probe 2D multiplane with colour Doppler: one	Regular adult TEE probe Live 3D multiplane with colour Doppler: one

Amendment to be issued will be uploaded on websites www.tenderwizard.com/HSCC & www.hsccltd.com.

All other tender terms and conditions remain unchanged

Medical Superintendent
VMMC& Safdarjung Hospital