Bihar Medical Services & Infrastructure Corporation Limited, 2nd & 3rd Floor, Swasthya Bhawan, Behind IGIMS, Sheikhpura, Adjacent to State Health Society, Patna 800023, Phone/Fax: +91612 2283287,+ 91612 2283288

Corrigendum-I

Bihar Medical Services and Infrastructure Corporation Limited (BMSICL) had invited E-Bids from the interested parties for the procurement, rate contract and the supply of medical equipment for different Govt. Institutions of Bihar vide Notice Inviting Tender No.- BMSICL/2023-24/ME-325. During and after Pre-bid meeting various suggestions were received from different prospective bidders regarding amendment in technical specification of equipment which were discussed and deliberated on by the experts, who after due deliberation recommended certain amendments in the technical specification of the equipment, which are annexed as Annexure-I of this corrigendum. Rest of the terms & conditions of the NIT & Corrigendum-I shall remain unchanged:-

Tender Reference No.	BMSICL/2023-24/ME-325
Last date and time of submission of online bids	14th December 2023 till 17:00 Hrs.
Last date and time of submission of original documents of EMD, Tender Fee and Document	15th December 2023 till 14:00 Hrs.
Date, Time and Place of opening of Technical Bid	15th December 2023 (at 15:00 Hrs.) on the website of https:/eproc2.bihar.gov.in in the office of BMSICL
Date and time of opening of financial Bids	To be announced later on https:/eproc2.bihar.gov.in

Note:- Bidders are advised to refer to the Annexure-I of this corrigendum before submission of bid.

Annexed:- as above

Sd/-
GM (Procurement)
BMSICL

	Annexure-I	
	Name of Equipment - ECG enabled Intelligent Stethoscope	
SI. No	**Technical Specification as per tender**	**Final Amendment**
	Product Quality standard certification:	
1	The Stethoscope should be an Electronic & Electrocardiogram (ECG) Enabled option to work on 3 audio modes { Bell, Diaphragm and Lung} on selection from mode buttons through Digital Filtering	No Change
2	The device should have the form-factor similar to a conventional stethoscope for easy use, instead of a box or any other form-factor. It should also have a standard binaural headset attached to the device, with length 27 to 29 inches, with rechargeable battery compartment.	No Change
3	The stethoscope should have an in-built screen display and it should display: battery level, Bluetooth on/off , HR(Heart rate), Audio mode selected (BELL, DIA, LUNG).	No Change
4	The ECG Enabled Electronic Stethoscope should give simultaneous Auscultation and display of both PCG(Heart Sounds and Murmurs{if present}) as well as ECG signals with accurate and instant cardiac insights displayed in the Bluetooth connected Application software in real-time.	No Change
5	The Real-time Application should have the ability to display Heart Sounds, ECG Waveforms and any Murmurs or High Frequency Sounds in 3 different colours, so that it is easy for a non-specialized healthcare worker to screen cardiac abnormalities.	No Change
6	Should have the possibility to store, record, print and share patient findings for remote diagnosis/expert opinion.	No Change
7	The storing functionality should have the ability to both Freeze a single screenshot as well as Record the Sounds for 10 seconds based on the user's choice.	No Change
8	The ECG Enabled Intelligent Electronic Stethoscope should have the provision of increasing or decreasing audio levels according to user's choice from level 1	No Change

	to 10, so that thin chest wall patients as well as obese patients can be screened with the same device.	
9	The ECG Enabled Intelligent Electronic stethoscope should have 3 fixed gold-plated electrodes (3 contacts that touch the Patient's skin) to capture ECG without connecting any external wires, or applying any gel and it should have the ability to display Heart rate on the stethoscope screen in real-time.	No Change
10	The Electronic stethoscope should have a feature of smart amplification and noise cancellation for listening to high-fidelity Heart sounds. It should have the ability to reject ambient noise and amplify only the heart sounds and other body sounds.	No Change
11	The ECG Enabled Intelligent Electronic Stethoscope must be US FDA cleared, and preferably the product should be categorised as Electronic Stethoscope (DQD), Phonocardiograph (DQC), and Electrograph (DPS)	No Change
12	The high- frequency sounds displayed in the Application software should be shown as real–time waveforms with different colour on any smart device. {Preferably orange colour) to differentiate from the Heart Sounds and ECG Waveforms.	No Change
13	The Application should have the ability to vary the Visual Amplitude Gain Levels of the displayed waveforms.	No Change
14	Should be internally powered with a rechargeable lithium-ion battery and should come with a charger and cable as well. The charger should be compatible with Indian AC Plugs.	No Change
15	For the ECG enabled Intelligent Electronic Stethoscope to be operational a free software, that would work on standard Mobile Phones as wel as Tablets (both Android & iOS) without any recurring charge to be available in both APP Store (for iOS)/ play store(for Android) .	No Change
16	The ECG and the Heart waveforms to be viewed on any Android or iOS devices. The application should also have the ability to review previously recorded waveforms and also enable a Report to be Printed in PDF.	No Change

17	To Playback the recorded Heart Sounds, a specialized low-frequency compatible Speaker-POD, which is portable and miniature, and should enable the Stethoscope to be placed on top of it to listen to the recorded sounds, should be provided along with the Stethoscope.	No Change
18	Should be able to operate in temperatures ranging from -5 °C to 50°C	No Change
19	Should come with a minimum of 3 years warranty.	No Change
20	The manufacturer should have company Service & Support Centre within India. The manufacturer should have prior experience in supporting Cardiac Screening Programs in India.	No Change
21	The manufacturer should provide sufficient Group Training both initially in person and then on an Annual Group Training through Virtual Online Program until warranty period to refresh the skillsets of the users.	No Change