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-III

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-342. 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-342**
Last date and time of submission of online bids	**18th April 2024 till 17:00 Hrs.**
Last date and time of submission of original documents of EMD, Tender Fee and Document	**19th April 2024 till 14:00 Hrs.**
Date, Time and Place of opening of Technical Bid	**19th April 2024 (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:-

1. **Bidders are advised to refer to the Annexure-I of this corrigendum before submission of bid.**
2. **Those who have submitted their bids are requested to re-submit their bids in accordance with this corrigendum.**

Annexed:- as above

Sd/-
GM (Procurement)
BMSICL

Annexure-I		
Name of Equipment - Infusion (Volumetric) Pump		
SI. No	**Technical Specification as per tender**	**Final Amendment**
1	Digital self–regulating volume controlled portable pump.	No Change
2	It can be mounted on standard bed/ wall rail or mobile pole/stand (supplied with fixation).	No Change
3	It should be capable of infusing through intravenous route.	No Change
4	It should have an open system, suitable for different brands of IV sets available in local Indian market. Also if any IV set is required to be calibrated then user should easily calibrate.	No Change
5	It should be programmable; Infusion volume and time/ flow rate can be entered.	No Change
6	The flow rate should be adjustable: 0.1ml/h to 1200 ml/h or higher, with steps of 01 ml/h & 0.1 ml/h	No Change
7	The accuracy ±5% of the total volume delivered.	No Change
8	It should have facility for occlusion detection and alarm.	No Change
9	The system should have LED /LCD display.	"The system should have a LED / LCD display and the screen size should not be less than 3.5 inches".
10	It should have an audio-visual alarm with a silencing feature for audio alarms.	No Change
11	Should have internal rechargeable battery. The battery backup should be of minimum 4hrs.	No Change
12	US FDA/European CE (issued by notified body) approved model should be offered.	No Change
13	Power Supply 220VAC +/- 10 %, 50Hz fitted with Indian plug	No Change

Name of Equipment - ECG Machine (12-Channel)		
SI. No	**Technical Specification as per tender**	**Final Amendment**
1	Simultaneous 12 Channel ECG recording with 12 lead simultaneous acquisition	No Change
2	Should have visual alarm for open lead	No Change
3	Should have a minimum 7” digital display of 12 channel ECG	No Change
4	QWERTY/Alphanumeric Keyboard/ Keypad	No Change
5	Built-in ECG Parameters measurements and Interpretation	No Change
6	Minimum 40 ECG Storage inbuilt memory	No Change
7	3 Operating modes: Automatic, Manual and Rhythm	No Change
8	Should have maintenance free digital thermal array printer	No Change
9	Printer should work with standard thermal paper (should be available in Local Market	No Change
10	Should have 12 lead ECG preview display before taking printouts and should have printer on/off selection	No Change

11	Should have ECG lead annotation facility	No Change
12	Machine should have sufficient battery backup for taking at least 25 nos. ECG on a fully charged batter	Machine should have sufficient battery backup for taking at least 100 nos. ECG on a fully charged machine.
13	Should supplied with 2 patient cable sets, 8 clip on electrodes, 12 chest electrode with silicone rubber bulb, 12 packets of recording paper,1 bottle of jelly and 12 nos. reusable button type electrode	No Change
14	Should operate on mains(220V-50Hz) and rechargeable batter	No Change
15	Recording speed should be 25 mm/ sec and 50 mm/ sec	No Change
16	Should have defibrillation protection	No Change
17	CMRR should be>90dB or ECG machine should have digital processing with at least 7000 samples per second from each lead wire	No Change
18	Frequency response 0.05 Hz to 150 Hz	No Change
19	Should have a digital filter for AC and EMG	No Change
20	Should be supplied with suitable stabilizer	Deleted
21	Should supplied with a suitable Trolley with following specifications	No Change
a	Trolley should made of Stainless Steel / Powder coated frame with SS 304 grade To	Trolley should made of Stainless Steel / Powder coated frame with SS 304 grade The cart should be Suitable for ECG Machine.
b	Should be a 3-shelf (including the top) cart, one with a drawer for storing the accessories and consumables	No Change
c	Should have four superior castors (two with brakes)	No Change
d	Trolley should have at least 30" height and the shelves should have sufficient space for storing the accessories	No Change
e	Top shelves shall be surrounded by railing	No Change
f	Trolley should have a suitable cable arm firmly affixed having holder for ECG cables while not in use	No Change
22	**Power supply**	No Change
i	Equipment shall operate on 220V-240V, 50 Hz, single phase electric supply.	No Change
ii	The mains supply voltage variation may be 180-270V and frequency variation max. 3 %. The necessary protective device shall be there with the machines.	No Change
2	**Standards, safety**	No Change
i	Model Should by US FDA / EU-CE (with notified body)/BIS approve product	Model Should be US FDA / EU-CE (with notified body) approved.
ii	Electrical safety conforms to standards for electrical safety IEC-60601/IS-1345	No Change

Name of Equipment - Crash Cart		
SI. No	**Technical Specification as per tender**	**Final Amendment**
1	Overall size shall be more than 900 mm L x 450 mm W x 1500 mm H.	No Change
2	The crash cart should be made of 25.4 mm x 18 G Stainless steel grade SS 304 tubular frame work and SS sheet of grade 304.	No Change
3	Should have dual push handles on either side.	No Change
4	Should have S.S. shelves, six colored removable bins & two polystyrene lockable storage units with three drawers each.	No Change
5	Facility to carry ECG Monitors, Defibrillators etc. on open areas at top centre and bottom shelves.	No Change
6	Should have Stainless steel saline rod fixed with two accessory mounting brackets to mount accessories anywhere without the need of pre threaded hole.	No Change
7	Crash cart should be mounted on 12.5 cms dia. non rusting swivelling castor wheels. Two having locking arrangement.	No Change
8	Oxygen cylinder stand of SS 304 grade, on one side.	No Change
9	Manufacturer should be NABL certified/ European CE (with notified body)/ USFDA/ISO certification as applicable for Medical Furniture Equipment.	Manufacturer should be NABL certified/ European CE (with notified body)/ USFDA/ISO 13485 certification as applicable for Medical Furniture Equipment.

Name of Equipment - Suction Machine (High End)		
SI. No	**Technical Specification as per tender**	**Final Amendment**
1	0 to 700 mm Hg, and above, regulatable-1/2HP	No Change
2	Single phase 1430 RPM Motor;±20/regulatable flow rate of air upto 60 lts./min.	No Change
3	flutter free vacuum control knob,	No Change
4	Wide mouthed 2 x 2 Litre (light weight, unbreakable and clear) with self-sealing bungs and mechanical over flow safety device autoclavable jars and autoclavable lids.	No Change
5	Noise (in dBA)- 50 dB A	No Change
6	Collection container & its cap, suctions tube tips, a vacuum gauge, two sets of moisture & microbial filters and control knob.	No Change
7	Silicone Tubing:8 mm ID x 2 meter (PVC), 2x2 liter jar (one set extra jar & tubing)	No Change
8	It should be Mobility, portability.	No Change
9	Equipment shall operate on 220V-240V, 50 Hz, single phase electric supply	No Change
10	USFDA/European CE with 4 digit notified certification as per medical device directive.	USFDA/European CE (issued by notified body) approved model

Name of Equipment - Autoclave – Sterilization (Vertical)		
SI. No	**Technical Specification as per tender**	**Final Amendment**
1	Should be fully automatic vertical autoclave for total destruction of all living microorganisms.	No Change
2	Pressure adjustable from 10 psi to 20 psi with an accuracy of +/- 1 to 3 psi, with automatic pressure control switch	No Change
3	Outer and Inner chambers made up of stainless steel SS 304.	No Change
4	Size of the inner chamber 40 -50 cm (Width) x 60-80cm. (Height)	No Change
5	Should be provided with silicon / Rubber/ Neoprene gasket	No Change
6	Lid should be stainless steel and should be fitted with	No Change
	a. Pressure Gauge	No Change
	b. Safety valve	No Change
	c. Manual exhaust valve	No Change
	d. Vacuum breaker	No Change
	e. Ports for calibration check	No Change
	f. All the hinges should be of stainless steel	No Change
	g. Drain valve at bottom for draining the water	No Change
	h. Microprocessor controller based system to provide digital display of cycle processes like temperature, pressure, and time.	No Change
	i. Should be provided with low water level alarm and cut off Temp range 121 degree C	No Change
	j. Automatic pressure Control Switch – To cut-off the current from the elements, when the desired/ set pressure valve level is attained inside the chamber and restarts the mechanism once the pressure inside the chamber fails from the desired level.	No Change
7	Manufacturer should have ISO Certification.	Manufacturer should have ISO 13485 Certification.

Name of Equipment - Biosafety Cabinet		
SI. No	**Technical Specification as per tender**	**Final Amendment**
1	Should be CLASS II A	No Change
2	Biosafety cabinet should provide protection for operator, environment and product from aerosols and microorganisms.	No Change
3	Size- HxWxD 1560-1600mmX 1300-1350mmX800-850mm	No Change
4	Design and Construction	No Change
	a. 18 gauge SS 304 grade interior and epoxy coated steel exterior.	No Change
	b. Fully closing front door, front door open-able to a height of 10 inches and made up of ¼ clear tempered glass.	No Change
	c. Should provide drain pan	No Change
5	Work area – 16 Gauge SS, seamless, dished work surface, removable with external knobs.	No Change

6	Airflow velocity Inflow – 100 fpm, down flow – 60+/- 10 fpm, 70% recirculation and 30% exhaust	No Change
7	Plenum – negative pressure plena surrounding the work area and should be made up of metal	No Change
8	HEPA filters Two HEPA filters (Exhaust and Supply), Should be of 99.9% efficiency at 0.1 and 0.3 μ	No Change
9	Sound emission - <65db	No Change
10	UV light – should be provided with UV light and UV Interlock system to cut the UV light automatically if the door a opens accidentally	No Change
11	Fluorescence light – should be provided with fluorescence light	No Change
12	Ports – should be provided with gas connection ports	No Change
13	Electrical socket outlets – socket for 5 and 15 amp	No Change
14	Microprocessor controlled display for airflow velocity	No Change
15	Audiovisual alarms for-	No Change
	a. Excessive opening of sash	No Change
	b. Airflow failure or slow airflow (optional)	No Change
16	Operating environment should be capable of operating in 20 - 35° and relative humidity of 80%	No Change
17	Power supply 210-240V, 50Hz	No Change
18	Compliance with – NSF49/ANS149/ EN 12469 certifications	No Change
19	European CE (issued by notified body) / US (FDA) approved model should be offered.	No Change
20	Accessories should provide the following:	No Change
	· Suitable capacity UPS with 30 minutes backup.	No Change
	· Replacement filter	No Change
	· Stand with leveling screws and castors	No Change