Bihar Medical Services & Infrastructure Corporation Limited, 4th floor, Bihar State Building Construction Corporation Limited. Hospital Road, Shastri Nagar, 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 LDR Bed/Delivery Bed & CPAP for different Govt. Institutions of Bihar vide Notice Inviting Re-tender No.- BMSICL/2022-23/ME-297. 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. In order to facilitate maximum participation of bidders the tender schedule is being revised as follows:-

Tender Reference No.	**BMSICL/2022-23/ME-297**
Date and time for downloading of bid document	**Up to 30th November 2022 till 17:00 Hrs.**
Last date and time of submission of online bids	**01st December 2022 till 17:00 Hrs.**
Last date and time of submission of original documents of EMD, Tender Fee and Document	**02nd December 2022 till 14:00 Hrs.**
Date, Time and Place of opening of Technical Bid	**02nd December 2022 (at 15:00 Hrs.) on the website of www.eproc.bihar.gov.in in the office of BMSICL**
Date and time of opening of financial Bids	**To be announced later on www.eproc.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 - LDR/Delivery Bed			
SI. No	**Technical Specification as per tender**		**Final Amendment**
1. USE			
1	Clinical Purpose	Table for Obstetric labour (LDR) is specifically designed to support the mother during all stages of giving birth that includes labour, delivery and recovery.	No change
		The bed should convert quickly from a practical labour bed to a delivery platform and back to a comfortable recovery bed. At any stage, it can be rapidly adjusted to any positions to cater for emergency situations.	No change
2.1	Technical Characteristics (Specific to this type of device)	1. The LDR bed should be electro-mechanically controlled.	No change
		2. It should have three sections and seamless joint it each part with minimal gap between section at mattresses and the seat-section should have a large perineum cut.	No change
		3. Mattresses cover should be non-slippery, washable and waterproof.	No change
		4. The foam density of the mattresses should be of minimum 60 kg/m^3 and thickness of minimum 3-4 inches.	The foam density of the mattresses should be of minimum 40 kg/m3 and thickness of minimum 3-4 inches
		5. The mattress should be fixed with high grade adhesive Velcro tape for proper fixing on the bed top.	No change
		6. Removable SS (304)/ABS head and leg bows with padded panel.	No change
		7. The unit should have provision for Trendelenburg and reverse Trendelenburg positions (minimum 15 degree or more) and reclaimable adjustable back rest angle of 60 degree or more. All position should be achievable by both mechanically and electronically.	The unit should have provision for Trendelenburg and reverse Trendelenburg positions (minimum 15 degree or more) and reclaimable adjustable back rest angle of 60 degree or more. All position should be

			achievable electronically.
		8. Should have control device for back and height adjustments through remote control as well as manually operable.	Should have control device for back and height adjustments through remote control.
		9. Pre-fitted SS-304 grade adjustable/collapsible side rails.	Pre-fitted SS-304 grade or polymer/ABS type with antibacterial additives side boards, adjustable/collapsible side rails.
		10. Push grip handle (grab bars) with soft cushion padding on both sides of the bed.	No change
		11. Should have foot support for nursing staff.	Deleted
		12. Frame should be of epoxy powder coated steel.	No change
		13. Should be easy to clean, sterilize (especially blood stains) and maintain.	No change
		14. Should have catheter bag holder which can be attached on either side of bed.	No change
		15. Should have infusion rods (made of SS-304 grade) which have adjustable heights, quick release and attachable to all corners of the bed.	Should have infusion rods (made of SS-304 grade) which have adjustable heights, quick release and attachable to both side of head end of the bed.
		16. Should have retractable foot section (section can be telescoped under) so as to convert bed into table.	No change
		17. To and for motion of the leg section should be very smooth.	No change
		18. Should be able to hold minimum 150 Kg of load.	No change
		19. Caster: Should have minimum 100mm or more heave duty roller wheels with ball bearing and with central & directional locking mechanism.	No change
		20. Should have rectangular sliding/detachable SS-301 tray at perineal part of table.	No change

2.2	User's Interface	Electro-mechanical.	No change
3.1	Dimensions (in mm)	Overall approximate size 1880-2160 mm (L)*550 mm to 880 mm (H) (With option of manual adjustable height of the bed)	Overall approximate size 1880-2160 mm (L)*550 mm to 880 mm (H)
3.3	Noise	Less than 50 db.	No change
3.5	Mobility/Portability	Area Specified above (Labour room)	No change
4.1	Battery backup	1. Battery backup of minimum 30 minutes operation time with inbuilt battery charger shall be provided. The handset shall have indications for power on and battery charge.	Battery backup of minimum 30 minutes operation time with inbuilt battery charger shall be provided. The handset shall have indications for power on/battery charge.
		2. Should have facility to operate manually in case of power failure	Deleted
5.1	Accessories, (mandatory, Standard, operational); Spare parts (main ones) Consumable/reagents (open, closed system)	1. All consumables required for installation and standardization of the system should be provided free of cost.	No change
		2. Minimum 60 mm thick Kg/m3 high density foam matters washable and waterproof and detachable in three parts.	No change
		3. Should be provided with extra one pair of leg rest.	No change
		4. Should be provided with minimum four infusion rods (SS 340) with hook for hanging IV fluids.	No change
6. ENVIRONMENT AL AND DEPARTMENTAL			
6.1	Atmosphere/Ambiance (air conditioning, humidity, dust)	The unit shall be capable of operating continuously in ambient temperature of 5-50 deg C and relative humidity of 30-90%	No change
		The unit shall be capable of being stored continuously in ambient temperature of 0-50deg C and relative humidity of 15-90%	No change
6.2	User's care, Cleaning, Disinfection & Sterility issues	Disinfection: Parts of the Device that are designed to come into contact with the patient or the operator should be compatible with medical grade disinfectant solution	No change

7.1	Certificates (pre-market, sanitary,); Performance and safety standards (specific to the device type); Local and/or international	1. Should be US FDA/ European CE/BIS approved	Should be US FDA/ European CE (issued by notified body)//BIS / ISO 13485 certification from NABCB Accredited Body
		2. Manufacturer and supplier should have ISO 13485 certification from NABCB Accredited Body.	Deleted
		3. The product should confirm to the latest safety standards of IS: 13450 certifications from NABCB Accredited Body.	Deleted
8.1	Operating manuals, service manuals, other manuals	Should provide 2 sets (hardcopy and soft-copy of: -	No change
		1. User, technical and maintenance manuals to be supplied in English/Regional language along with machine diagrams;	No change
		2. List of equipment and procedures required for local calibration and routine maintenance.	No change
		3. Service and operation manuals (original and copy) to be provided.	No change
		4. Advanced maintenance tasks documentation;	No change
		5. Certificate of calibration and inspection	No change
8.2	Other accompanying documents	ISO Certification on quality of stainless steel used.	Deleted
9.1	Service Support Contact details (Hierarchy Wise; including a toll free/landline number)	1. Contact details of manufacturer, supplier and local service agent to be provided.	No change
		2. Any Contract (AMC/CMC/ad-hoc) to be declared by the manufacturer; Purchaser my engage third party for maintenance of equipment and vendor need to comply in all terms.	No change

		3. Manufacturer/Supplier of medical services should provide price quote for spare part of medical device or supply items, against requisition/Purchase order from Biomedical engineers/technicians.	No change
Name of Equipment - CPAP			
SI. No	**Technical Specification as per tender**		**Final Amendment**
1.	**TECHNICAL CHARACTERISTICS**		
1.1	Technical characteristics	1) Devices should able to deliver CPAP up to 10 cm H2O in increments of 1 cm, using a underwater bubble system	No Change
	(specific to this type of device)	2) The devices should have a heated wire a in-built air oxygen blender to deliver FiO2 21% to 100% (+/-2%) with an adjustable flow in the range of 0-15 l/min(+-0.5 lit./min);	No Change
		3) Should have a heated wire servo controlled humidifier with display temp. near patient end of the circuit.; to be supplied with 2 reusable infant water chamber;	No Change
		4) Should be supplied with 2 reusable heated wire silicone tubing circuit for infant/New-born.	No Change
		5) Should be able to deliver CPAP using available patient interfaces nasal prongs/nasopharyngeal prongs.	No Change
		6) For devices based on underwater bubble systems the water chamber should be reusable. to be supplied with 2 reusable water chambers;	For devices based on underwater bubble systems the water chamber should be reusable. to be supplied with 2 reusable water chambers; with required accessories.
		7) Should be provided pressure release valve at 15cmH2O to 17cmH2O.	

1.2	User's interface	For a flow driving system a pressure display is required Audio / visual alarm for low pressure, high pressure, power failure (in case of power operated), low O2.	No Change
1.3	Software and/or standard of communication (where ever required)	NA	No Change
2. PHYSICAL CHARACTERISTICS			
2.1	Dimensions (metric)	NA	No Change
2.2	Weight (Ibs, kg)	<8kgs	No Change
2.3	Configuration	NA	No Change
2.4	Noise (in dBA)	<60dB, Alarm>65dB	No Change
2.5	Heat dissipation	Yes	No Change
2.6	Mobility, portability	Portable	No Change
3.1	Power Requirements	220V AC, 50 Hz	No Change
3.2	Battery operated	with at-least 6 hours battery backup	No Change
3.3	Tolerance (to variations, shutdowns)	± 10% of input	No Change
3.4	Protection	OVP, earth leakage protection	No Change
4. ACCESSORIES, SPARE PARTS, CONSUMABLES			
4.1	Accessories (mandatory, standard, optional); Spare parts (main ones); Consumables/reagents (open, closes system)	1) Each device should be provided with 30 nasal prongs (At least three sizes suitable for neonates weighing < 1000grms, 1000-1500grms &>1500grms)	No Change
		2) Air and O2 hose of 3m length each along with the appropriate socket;	No Change
5. ENVIRONMENTAL AND DEPARETMENTAL CONSIDERATONS			
5.1	Atmosphere/Ambiance (air conditioning, humidity, dust ….)	1) Operating condition: Capable of operating continuously in ambient temperature of 10 to 40 deg C and relative humidity of 15 to 90% in ideal circumstances.	No Change
		2) Storage condition: Capable of being stored continuously in ambient temperature of 0 to 50 deg C and relative humidity of 15 to 90%	No Change

5.2	User's care, Cleaning, Disinfection & Sterility issues	1) Disinfection: Parts of the Device that are designed to come into contact with the patient or the operator should either be capable of easy disinfection or be protected by a single use/disposable cover.	No Change
6. STANDARDS AND SAFETY			
6.1	Certificates (pre-market, sanitary, …): Performance and safety standards (specific to the device type); Local and/or international	1)USFDA/CE(EU)/ BIS/ISO 13485:2015 from NABCB accredited Body	1. Blender Must have US FDA or CE ("Conformity European") from European Union notified body having 4-digit identification number approved. 2. Humidifier Must have US FDA or CE ("Conformity European") from European Union notified body having 4-digit identification number approved.
		2) IEC-60601-1-2:2007, IEC 60601-1-8-2006, IEC 60601-1-SER-Ed 1.0-2011, IEC/TRF 60601-1-8 Ed4.0-2010, ISO 15001-2010 (aesthetic & respiratory equipment-compatibility with oxygen)	Deleted
7. TRAINING AND INSTALLATION			
7.1	Pre-installation requirements: nature, values, quality, tolerance	electrical sockets; Oxygen supply	No Change
7.2	Requirements for sign-off	Supplier to perform installation, safety and operation checks before handover	No Change
7.3	Training of staff (medical, paramedical, technicians)	Training of user's operation and basic maintenance shall be provided Advanced maintenance tasks required shall be documented	No Change
8. WARRANTY AND MAINTENANCE			
8.1	Warranty	3 years;	No Change

8.2	Maintenance tasks	1) Maintenance manual detailing:	No Change
		2) Complete maintenance schedule;	No Change
8.3	Service contract clauses, including prices	1) The spare price list of all spares and accessories (including minor) required for maintenance and repairs in future after guarantee/warranty period should be attached.	No Change
		2) warranty of three years with free servicing (min.6) during warranty.	No Change
9. DOCUMENTATION			
9.1	Operating manuals, service manuals, other manuals	Should provide 2 sets (hardcopy) of:-	No Change
		1) User, technical, maintenance and service manuals to be supplied along with machine diagrams.	No Change
		2) List of equipment and procedures required for local calibration and routine maintenance.	No Change
		3) Certificate of calibration and inspection.	No Change
9.2	Recommendations for maintenance	List of important spares and accessories, with their part numbers and cost.	No Change
10. NOTES			
10.1	Service Support Contact details (Henchy Wise; including a toll free/landline number)	Contact details of manufacturer, supplier and local service agent to be provided;	No Change
10.2	Recommendations or warnings	Any warning signs would be adequately displayed	No Change
10.3	———	———	**Added:-** Air Compressor (optional) Air compressor of suitable capacity, mounted on trolly with required connectors
10.4	———	———	Air Compressor Certification: - USFDA/CE(EU)/ BIS/ISO 13485:2016 from NABCB accredited Body

For CPAP machine, L-1 is to be decided on the basis of sum of UNIT COST OF CPAP and unit COST OF AIR COMPRESSOR, Price to be quoted separately for CPAP and Air Compressor.