

 BMSICL	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
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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/2025-26/ME-437. 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/2025-26/ME-437
Last date and time of submission of online bids	13th November 2025 till 17:00 Hrs.
Last date and time of submission of original documents of EMD, Tender Fee and Document	14th November 2025 till 14:00 Hrs.
Date, Time and Place of opening of Technical Bid	14th November 2025 (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:- LDR/Delivery Bed

SI No.	Technical Specification as per tender		Final Amendment
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 in 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.	No Change
		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 reclamable adjustable back rest angle of 60 degree or more. All position should be achievable by both mechanically and electronically.	No Change
		8. Should have control device for back and height adjustments through remote control as well as manually operable.	No Change
		9. Pre-fitted SS-304 grade adjustable/collapsible side rails.	No Change
		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.	No Change
		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.	No Change
		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 heavy 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) 900-1010 mm(W) 550 mm to 880 mm (H) (With option of manual adjustable height of the bed)	No Change
3.3	Noise	Less than 50 db.	No Change
3.5	Mobility/Portability	Area Specified above (Labour room)	No Change
4.1	Power input	220-240 AC, 50 Hz	No Change
4.2	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.	No Change
		2. Should have facility to operate manually in case of power failure	No Change
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/m ³ high density foam mattress 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 304) with hook for hanging IV fluids.	No Change

6. ENVIRONMENTAL AND DEPARTMENTAL			
6.1	Atmosphere/Ambiance	The unit shall be capable of operating continuously in ambient temperature of 5-50 deg C and relative humidity of 30-90%	No Change
	(air conditioning, humidity, dust)	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	No Change
		2. Manufacturer and supplier should have ISO 13485 certification from NABCB Accredited Body.	Manufacturer should have ISO 13485 certification from NABCB Accredited Body.
		3. The product should confirm to the latest safety standards of IS: 13450 certifications from NABCB Accredited Body.	
8		Training And Installation	
8.1	Requirement for sign off	Compliance with quantity check-list, Quality check of the product	No Change
8.2	Training of staff (medical, paramedical, technician)	Hands on training to be provided to healthcare professional on using the equipment, day to day maintenance/cleaning.	No Change
9		Warranty	No Change
9.1		3 yrs comprehensive warranty including all apares parts, battery and other accessories	No Change
9.2		Linkage with Bio-Medical Equipment Management and Maintenance Programme under NHM	No Change
10.1	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
10.2	Other accompanying documents	ISO Certification on quality of stainless steel used.	No Change
11.1	Service Support Contact details	1. Contact details of manufacturer, supplier and local service agent to be provided.	No Change

	(Hierarchy Wise; including a toll free/landline number)	2. Any Contract (AMC/CMC/ad-hoc) to be declared by the manufacturer; Purchaser may 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
1.1	Technical characteristics	1) Devices should be able to deliver CPAP up to 10 cm H ₂ O in increments of 1 cm, using a underwater bubble system	BCPAP machines should have the following components: · CPAP generator · Servo humidifier including reusable chamber, temperature probe, heater wire with adaptor · Air-oxygen blender · Single equipment mounting stand with swivel brake casters (four)
	(specific to this type of device)	2) The devices should have a heated wire and in-built air oxygen blender to deliver FiO ₂ 21% to 100% (+/-2%) with an adjustable flow in the range of 0-15 l/min(+/-0.5 lit./min);	CPAP generator · Capable to deliver nasal/ nasopharyngeal CPAP and heated humidified high gas flow through nasal canulae/ mask (>2 LPM). · Circuits (reusable) should be compatible with different nasal interfaces · CPAP range: 1-10 cm of H₂O, Accuracy: ±1 cm of H₂O. · Gas flow range: 1 - 15 LPM · Pressure release valve: safety valve mechanism to release excessive pressure. · Generator tube: graduations in the tube should be clearly readable and it should be snugly fitting into the chamber and the chamber should be transparent for checking water level.
		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;	Servo controlled humidifier · Capable of working with both CPAP and Heated Humidified High Flow Nasal Cannula (HHHFNC) · Should be capable of supplying fully saturated oxygen gas at 37°C. · Flow resistance <20 cm H₂O/L/sec (Ins R<12, Exp R<8)

			· Temperature range: 31°C - 40°C · Temperature control: $\pm 2^\circ\text{C}$ · Digital display of temperature: 5°C - 80°C · Capable of ambient humidity compensation · It should be compatible with both reusable & disposable chambers and circuits. · Must have water level indicator in the chamber (both types). Minimum warm up time: <30 min
		4) Should be supplied with 2 reusable heated wire silicone tubing circuit for infant/New-born.	Air-oxygen blender · Oxygen concentration range should be 21 - 100%. · Number of ports should be two (02). · Accuracy: $\pm 3\%$ full scale · Weight: should be less than 2 kilograms · Gas supply pressure: 30 - 75 PSIG · Primary outlet flow range: 1 - 15 L/ min · Auxiliary outlet flow range: 1 - 15 L/ min · It should be supplied with air & oxygen hose at least 5 metres in length with suitable adaptors. · It should be provided with a water trap in air inlet connection · Should be able to set oxygen concentration using soft touch (digital) key/ by using mechanical knob for CPAP system.
		5) Should be able to deliver CPAP using available patient interfaces nasal prongs/nasopharyngeal prongs.	Deleted
		6) For devices based on underwater bubble systems the water chamber should be reusable. to be supplied with 2 reusable water chambers;	Deleted
		7) Should be provided pressure release valve at 15cmH ₂ O to 17cmH ₂ O.	Deleted
1.2	User's interface	For a flow driving system a pressure display is required Audio / visual alarm for low pressure, high pressure, power	1. User interface to be easy to operate, numbers and displays to be clearly visible. Display easily readable in low ambient light and sunlight, Pressure [cmH₂O],

		failure (in case of power operated), low O2.	FiO2%, Flow rate, Air leak %, Respiration rate, Temperature 2. Should have audio visual alarm for all the parameters mentioned above point (1). 3. PEEP should be sensed as close to the delivery point as possible
1.3	Software and/or standard of communication (where ever required)	NA	In-built
2. PHYSICAL CHARACTERISTICS			
2.1	Dimensions (metric)	NA	NA
2.2	Weight (lbs, kg)	<8kgs	<8kgs
2.3	Configuration	NA	NA
2.4	Noise (in dBA)	<60dB, Alarm>65dB	<60dB; Alarm >65dB
2.5	Heat dissipation	Yes	Deleted
2.6	Mobility, portability	Portable	Yes, Portable
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
3.5	Power consumption	<140 watt	No Change
3.6	Other energy supplies	Electric/battery driven	No Change
4. ACCESSORIES, SPARE PARTS, CONSUMABLES			
4.1		1) Each device should be provided with 30 nasal prongs (At least three sizes suitable for neonates weighing < 1000grms, 1000-1500grms & >1500grms) 2) Air and O2 hose of 3m length each along with the appropriate socket;	Head bonnet of different sizes Reusable neonatal bubble CPAP circuits minimum 05 Nasal interface including nasal prongs, and masks of different sizes Air and O2 hose of 3m length each along with the appropriate socket.
5. ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATIONS			
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. 2) Storage condition: Capable of being stored continuously in ambient temperature of 0 to 50 deg C and relative humidity of 15 to 90%	Capable of operating continuously in ambient temperature of 0 to 50 deg C and relative humidity of upto 90%.

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.	To be specified by the manufacturer.
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 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)	1. Should be CDSCO approved. 2. Should comply with USFDA/European CE (Notified Body)/BIS standards. 3. Should conform to ISO 13485 (NABCB) quality standards. 4. Should conform to IEC 60601-1 General requirements of electrical safety standards.
7. TRAINING AND INSTALLATION			
7.1	Pre-installation requirements: nature, values, quality, tolerance	electrical sockets; Oxygen supply	Electrical sockets; Oxygen supply
7.2	Requirements for sign-off.	Supplier to perform installation, safety and operation checks before handover	Supplier to perform installation, safety and operation checks before handover. Local clinical staff to affirm completion of installation
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	Training of users in operation and basic maintenance shall be provided
8. WARRANTY AND MAINTENANCE			
8.1	Warranty	3 years;	03 Years
8.2	Maintenance tasks	1) Maintenance manual detailing:	Deleted
		2) Complete maintenance schedule;	Deleted
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.	Deleted
		2) warranty of three years with free servicing (min.6) during warranty.	Deleted

9. DOCUMENTATION			
9.1	Operating manuals, service manuals, other manuals	Should provide 2 sets (hardcopy) of:-	Should provide 2 sets(hardcopy) of:
		1) User, technical, maintenance and service manuals to be supplied along with machine diagrams.	. User, technical and maintenance manuals should be supplied in English/Hindi language along with machine diagrams. . List of equipment and procedures required for routine calibration and routine maintenance. . Certificate of calibration to be provided by the manufacturer. . List to be provided of important spares and accessories, with their part numbers and cost.
		2) List of equipment and procedures required for local calibration and routine maintenance.	Deleted
		3) Certificate of calibration and inspection.	Deleted
9.2	Recommendations for maintenance	List of important spares and accessories, with their part numbers and cost.	Deleted
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;	Contact details of manufacturer, supplier and local service agent to be provided.
10.2	Recommendations or warnings	Any warning signs would be adequately displayed	Any recommendations for best use and supplementary warning for safety should be declared