



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/2025-26/ME-474. 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/2025-26/ME-474
Last date and time of submission of online bids	19th March 2026 till 17:00 Hrs.
Last date and time of submission of original documents of EMD, Tender Fee and Document	20th March 2026 till 14:00 Hrs.
Date, Time and Place of opening of Technical Bid	20th March 2026 (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:- TPI Machine		
SI. No	Technical Specification as per tender	Final Amendment
1	It should be compact and light in weight.	It should be single chamber, compact and light in weight.
2	It Should have facility to attach to patient arm, leg as well as IV Pole	No Change
3	MODE OF OPERATION: Demand or Asynchronous.	No Change
4	It should have Pacing Rates range at least 30ppm-200ppm	No Change
5	It should have Rapid Atrial Pacing Rates easy to increments from at least 80ppm-800ppm	No Change
6	It should have Output Amplitude range of at least 0.1V-10 V or 0.1mA to 20 mA or more	No Change
7	It should have Pulse Width of 1 ms or wider	No Change
8	Display should demonstrate both sensing and pulsing.	No Change
9	Control: All controls are to be located on the front	No Change
10	Should have safety lock for set pacing parameters	No Change
11	It should have Sensitivity ranges: Ventricular: 1-20 mV or more	No Change
12	Lock function should be available to avoid accidentally changing the value	No Change
13	It should work on 9 V alkaline batteries or 1.5 V AA batteries which are very easily available in the market.	No Change
14	Uninterrupted Pacing	No Change
15	Backlit screen to display all the major parameters	No Change
16	It should have pacing pause mode	No Change
17	It should have Low Battery Indicator	No Change
18	It Should have US FDA and European CE certificate and certificate to be submitted.	No Change
	Added Point	Temporary Pacing cable should be supplied along with each unit.
Name of Equipment:- TMT Machine		
SI. No	Technical Specification as per tender	Final Amendment
	System requirements:	No Change
	System should acquire 12/15 lead ECG simultaneously	No Change
	System should be able to convert analog ECG signal to Digital signal at the patient end through Wireless Acquisition Module.	No Change
	Software features:	No Change
	Should be able to record Resting ECG and Exercise ECG	No Change
	In Resting ECG should have Interpretation Software for adults and pediatrics, simultaneous 12/15- lead ECG analysis program	No Change
	Should have Interpretation for Adult, Child.	No Change

	During exercise mode system should display the following parameters on the single screen during exercise mode.	No Change
	12 lead raw ECG with average complexes	No Change
	Real-time ST analysis& ST-HR trends of all 12 leads	No Change
	Enlarged QRS complex.	No Change
	Protocol, METS, Max HR, Target HR, Current HR, BP, Stage time, exercise time, treadmill speed & grade	No Change
	HR detection lead, mains filter, status, amplitude.	No Change
	Should have Duke treadmill score, ST/HR slope, ST/HR loop	No Change
	Should have QT correction: Bazett, Fredericia, Framingham, or Hodges	No Change
	Should have Lead selection: Right precordial, left posterior, Frank, Nehb	Should have Lead selection: Right precordial / left posterior / Paediatric / Custom (V3R/V4R/ V5R/V7/V8/V9) / Frank / Nehb
	Should have Computerized measurements:	No Change
	QT Dispersion	Deleted
	Averaged measurements	Deleted
	Should have Vector Analysis	Deleted
	System should have prompt for BP entry	No Change
	System should have automatic BP measurement Device	No Change
	System should have a customized lead sequence display.	No Change
	Should have multiple screen formats (6x2, 3x4, 3x 2 etc.)	Should have multiple screen formats for 12/15 lead 12x1 / 6x2 / 3x4 / 3x2 / 15x1 / 6x6+3
	System should have facility for Online enable or disable stage--wise printouts	No Change
	Software should be able to display full disclosure of all 12/15 leads	No Change
	User should be able to mark the ECG waveform to enter a comment at any stage	No Change
	System should provide facility to hold the stage	No Change
	Software should have the facility to change the background, grid lines, trace colors	No Change
	System software should have a grid at the background of tracing to measure the S'T levels manually	No Change
	Should have the facility to store & recall the complete test and revalidate the ECG	No Change
	System should be able to view & print ST graphs & tables	The system should support display and review of ST graphs or ST tables or ST profile, and inclusion of ST

		tables or graphs in the final summary report.
	System should have the facility to email the test as a pdf file	No Change
	System should have shortcut keys for operating important functions.	No Change
	Should have an automatic Blood Pressure Measurement Unit which should be integrated with the stress system for measurement during exercise.	No Change
	Hardware features:	No Change
	Should have at least 21" or more Touch screen display	No Change
	Should have Licenced Windows	No Change
	Processor: Intel i5-65000 CPU @3.20GHz.	No Change
	RAM: 4GB; or More	No Change
	HDD: 500GB;	No Change
	Wireless keyboard & Mouse with BT USB dongle	No Change
	Should have Black & White Laser Printer	No Change
	Wireless Acquisition Module should have the following features	No Change
	Should be lightweight less than 250 gm inclusive of batteries	No Change
	Should work with 2 x AA/AAA rechargeable batteries and Should have a Charging time of fewer than 200 minutes	No Change
	Should have a battery capacity of at least 35 hours of continuous display and should get connected with a system with Bluetooth	No Change
	Should have a safety feature like pairing to the proper data transfer	No Change
	The system should have the following printout settings:	No Change
	Print raw rhythm during online stage-wise printouts	No Change
	Printouts should be on ordinary pre-printed graph papers through laser or desk jet printer	No Change
	Multiple print formats in landscape or portrait	No Change
	Facility to print the complete test report in review mode with a single click of a mouse	No Change
	Facility to mark the strip & take the print of marked strips	No Change
	Facility to print the ECG of any time	No Change
	System should be provided with heavy duty noiseless Treadmill with following 1 specifications	No Change
	Should have 2HP AC Motor with self-cooling	No Change
	Should have user weight up to 250 kg	No Change
	Should have a running area of more than 500 x 1500 mm Should have a Speed Range of 0.8 to 20 kmph	No Change
	Should have Grade Range: 0-25%	No Change
	Should have an Interactive shock cushioned deck for patient comfort & safety	No Change
	Should have an Auto tensioning drive system	No Change
	Should be supplied with suitable Servo Stabilizer.	To be replaced with below The system must be supplied with a

		compatible ONLINE UPS with sturdy batteries to power the full system including the treadmill for at least 30 minutes to complete the ongoing study in the event of power failure.
	European CE from Notified body/ USFDA approved model	No Change
	Trolley for workstation	No Change
	Laser printer	No Change
	Added Point	Software features: . System should have option to upgrade software feature like SAEKG, AF toolbox, Hyper Q analysis
		Hardware features: The ECG acquisition sampling rate should be 8,000 Samples/seconds channel or more.
		System should provide inbuilt printing of ECG prints on High Quality A4 Thermal printer manually or automatically or after each stage during stress testing & option of external laser printer to print on A4 paper.
Name of Equipment:- SPHYGMOMANOMETER (Aneroid with different cuff sizes)		
SI. No	Technical Specification as per tender	Final Amendment
1	The quoted model should be USFDA (510K/CFG) or EU-CE certificate.	No Change
	The EU-CE certificate must be issued by notified body having notified body number or BIS certified as per IS 7652 latest for aneroid.	No Change
	Manufacturer Quality standard certification:	No Change

2	The manufacturer of the quoted product should have EN ISO 13485 certificate issued from a notified body or ICMED 13485 (with or without plus) certificate issued from certification bodies accredited by NABCB or ISO	No Change
	13485 certificate issued from certification bodies accredited by NABCB/Nationally Recognized Accreditation Board under IAF MLA.	No Change
3	The quoted medical device must be registered under CDSCO and submit the license for manufacture to sale or distribute the medical device. If not registered, the acknowledgment copy of the online application for the said registration must be uploaded in the bid.	No Change
4	Corrosion resistant with shock proof body, chrome plated metal/ stainless steel /ABS body with pressure control valve, scale 0 to 300 mm hg with accuracy of +/- 3mmHg.	No Change
5	Air release at closed lap with maximum 4mmHg/Minute.	No Change
6	Manual setting of deflation possible up to 2/3mm Hg/sec. From 260mmHg to 15mm Hg in a maximum deflation time of 10 seconds.	No Change
7	Graduated scale for ever/ 2mmHg, every 10 units and every 20 units.	No Change
8	Nylon straps cuff with pouch, latex bulb with completely chromium plated valve with regulation of vent-hole air by screw valve.	No Change
9	Should have latex free arm cuff and should be from same manufacturer of the BP instrument.	No Change
10	User's interface should be manual	No Change
11	Physical Characteristics:	No Change
a)	Dimensions (metric) -The rubber tubes used should have an internal diameter of 3mm $\pm$ 0.5mm and the external diameter should not be less than 8mm; The dial manometer with diameter of 50 mm to 60mm.	No Change
b)	Mobility and portability- Yes	No Change
12	Accessories to be supplied with each machine:	No Change
i.	Arm cuffs of size (Adult, Infant, Neonate) -1 number each with inflation bulb and tubing	No Change
Name of Equipment:- Medicine tray		
Sl. No	Technical Specification as per tender	Final Amendment
1	Tray for 19 medicine dispensers and 19 medicine cups	No Change
2	Grooves and impressions prevent the cups and dispensers from sliding	No Change
3	Made from sturdy plastic	No Change
4	Dimensions: 45 x 38 cm	No Change
5	Manufacture should have ISO:13485 NABCB Accredited.	No Change
Name of Equipment:- Wheel chair		
Sl. No	Technical Specification as per tender	Final Amendment
1	Dimension should be 670 +/- 5 % mm W x 1120 +/-5 % mm D x 920 +/-5% mm H. (Approx.) or more	No Change

2	Two solid rubber or PVC covered tyred bicycle wheels with break and self-propelling stainless-steel hoops.	No Change
3	Two swivel castors, 200 +/- 5 % mm dia in front.	No Change
4	Seat and back easily removable and replaceable.	No Change
5	Fine and durable upholstery for seat and back.	No Change
6	Should have Nylon Handgrips and Padded arm rest.	No Change
7	Should have safety belt.	No Change
8	Should have polished stainless-steel construct.	No Change
9	Weight bearing capacity should be minimum 120Kg.	No Change
10	Aluminum leg rest should be swing away type.	No Change
11	All the Stainless Steel should be 304 grades.	No Change
12	The quoted model should be either "USFDA approved (510K / having CFG)" OR "European CE certified (where EU-CE certificate should be issued from notified body)" OR "BIS certified conforming to the BIS standard IS-7454 for "Wheel Chair.	No Change
13	It Should be Foldable Type	No Change
Name of Equipment:- Stethoscope		
Sl. No	Technical Specification as per tender	Final Amendment
	The Quoted Model should be USFDA/EUCE (issued by notified body)/ BIS	No Change
	Stethoscope should have high quality sound transmission having frequency range of 1000HZ and it should be detectable type.	No Change
	The model should be double sided having adequate diameter for both Adult & Paediatric and it should be latex free product.	No Change
	Length should be 27" to 29" with preferable colour -black.	No Change
	High quality membrane for precise acoustics with non-chilling snap on ring provided on chest piece for improved adaptation on the skin and for excellent sound transmission.	No Change
	Materials and Diameter of each part:	No Change
	a) Chest piece should be of Stainless-steel material. Diameter of Chest piece at Diaphragm Side should be 25 mm.	No Change
	b) Binaural tube should be of Drawn Brass material confirming to IS 407-1961 and the finishing of the Binaural tube should be of Chrome plated over nickel conforming to Grade C of IS:1068- 1958. Diameter of the Binaural tube should be at least of 5mm.	No Change
	c) Ear pieces should be of Bakelite material and also having noise isolation earpiece.	No Change
	d) Binaural Spring should be provided and it should be of Steel material conforming to C55 of IS 1570-1961.	No Change
	e) Diaphragm should be fixed and made up of Celluloid material. It should be tuneable.	No Change
	f) Snap on ring should be of Plastic material.	No Change
	g) Y tubing should be of Latex free PVC material. Outer diameter of Y tubing should be at least 20mm.	No Change

	h) Finishing of chest piece should be of Chrome plated over nickel conforming to Grade C of IS:1068-1958.	No Change
	i) The quoted model should have weight 110-150gm.	No Change
	Accessories/Consumable to be supplied with each unit:-	No Change
	i) At least 1 number of spare diaphragm.	No Change
	ii) At least 1 number of spare Ear piece provided a set of two.	No Change
Name of Equipment:- Flowmeter		
SI. No	Technical Specification as per tender	Final Amendment
1	Back Pressure Controlled Flow Meter.	No Change
2	Sturdy and reliable Flow Meter Unit for an accurate measuring of flow of gases.	No Change
3	Body-Brass (chrome plated), durable.	No Change
4	Metering tube and cover made of unbreakable Poly carbonate.	No Change
5	Flow adjustment by Needle valve equipped with inlet filter – 100.	No Change
6	Flow rate range 0 – 15 litres / minute.	No Change
7	Inlet pressure suitable for the cylinder.	No Change
8	Manufacturer should have ISO 13485 Approved (NABCB Accredited)	No Change