



**Bihar Medical Services & Infrastructure Corporation Limited, 4<sup>th</sup> 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 Haemoglobinometer (Hb Meter), Test Strips/Cuvettes and Auto Disable Lancets for different Govt. Health Institutions of Bihar was floated vide Notice Inviting Tender No.- BMSICL/2021-22/ME-253. 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.	<b>BMSICL/2021-22/ME-253</b>
Date and time for downloading of bid document	<b>Up to 12<sup>th</sup> February 2022 till 17:00 Hrs.</b>
Last date and time of submission of online bids	<b>14<sup>th</sup> February 2022 till 17:00 Hrs.</b>
Last date and time of submission of original documents of EMD, Tender Fee and Document.	<b>15<sup>th</sup> February 2022 till 14:00 Hrs.</b>
Date, Time and Place of opening of Technical Bid	<b>15<sup>th</sup> February 2022 (at 15:00 Hrs.) on the website of <a href="http://www.eproc.bihar.gov.in">www.eproc.bihar.gov.in</a> in the office of BMSICL</b>
Date and time of opening of financial Bids	<b>To be announced later on <a href="http://www.eproc.bihar.gov.in">www.eproc.bihar.gov.in</a></b>

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

**Annexed:- as above**

**Sd/-  
GM (Procurement)  
BMSICL**

<b>Annexure-I</b>			
<b>Sl. No</b>	<b>Technical Specification as per tender</b>		<b>Amendment</b>
	<b>Name</b>	<b>Digital Haemoglobinometer</b>	
1	Clinical Purpose	Direct hand held battery operated device used for haemoglobin testing in clinical setting/population-based screening. The device is intended to be used for quantitative measurement of haemoglobin in capillary, venous or arterial whole blood samples taken from forearm, upper arm, hand thigh, calf, of fingers.	<b>No Change</b>
2	Should be used by	Medical officer / Laboratory Technician/stuff Nurse/ ANMS/, Mid-level health Providers at HWCs.	<b>No Change</b>
<b>Technical characteristics</b>			
1	Working principle	Reflectance Photometry/ Absorbance Photometry	<b>No Change</b>
2	Parameter	Blood Haemoglobin Level	<b>No Change</b>
3	Range of Hb estimation	0-20gm/dl	<b>No Change</b>
4	On- screen patients result display	Yes (LCD Display)	<b>No Change</b>
5	Maximum volume of sample required	Not more than 50µl (One full blood drop)	<b>No Change</b>
6	Sample material	Capillary, venous or arterial whole blood.	<b>No Change</b>
7	Measuring time	Less than one minute	<b>No Change</b>
8	Auto-calibration	Auto/Self calibration	<b>No Change</b>
9	Sensitivity	More than 80%	<b>No Change</b>
10	Specificity	More than 80%	<b>No Change</b>
11	Bias (Limits of agreement)	0.5 gm/dl (± 1 gm/dl)	<b>No Change</b>
<b>Users Interface</b>			
1	Memory to store data	Desirable – up to 500 tests with date and time	<b>No Change</b>
2	Bluetooth connectivity	Desirable	<b>No Change</b>
3	Data Transfer	Desirable – Provision for data transfer to printer and PC	<b>No Change</b>
<b>Physical Characteristics</b>			
1	Dimensions (metric)	Not more than 15 cm x 10 cm x 20 cm	<b>No Change</b>
2	Weight (grams)	Should not be more than 500 grams	<b>No Change</b>
3	Mobility/ Portability	Should be mobile and portable	<b>No Change</b>

<b>Energy Source</b>			
1	Power requirements	Preferably battery operated Should also be able to work on direct connection with electricity source (AC). The manufacturer must provide the charger and the cable for electricity power connection, wherever required by the equipment.	<b>No Change</b>
2	Battery	3.7-volt Lithium- polymer rechargeable battery/ 1.5 volt AA batteries/ etc. should be able to perform up to 500 tests when full charged.	<b>No Change</b>
3	Automatic shut down	On battery Power the device should turn off after approximately of 5 minutes of no use.	<b>No Change</b>
<b>Environmental Consideration</b>			
1	Working temperature	Should be able to perform in the temperature range of 10-40 degree Celsius	<b>No Change</b>
2	Working humidity	5-95%	<b>No Change</b>
3	User's care/ Cleaning	The Part of the equipment which comes in contact with blood should be easily cleanable. The factors which affect the haemoglobin estimation (ex. Haziness of lens) after repeated use should be clearly mentioned in the manual. The cleaning material for the lens and cuvette / strip should be easily available.	<b>No Change</b>
<b>Accessories</b>			
1	Cuvette / Strip (working environment)	Disposable and stable at specified environmental (working temperature 10-40 degree Celsius, working humidity 5-95%) Condition.	<b>No Change</b>
2	Cuvette / strip (Storage environment)	Should be stable at temperature of 25-30 degrees Celsius and humidity of 5-95%. Shelf life for storage should be at least one Year.	<b>No Change</b>
<b>Quality Control</b>			
1	Intra- Sample variation (Accuracy)	Should be less than 5%	<b>No Change</b>
2	Control solution to check quality	Should be available for low, normal and high haemoglobin values. Calibration facility should be available.	<b>No Change</b>

3	Certification	USA FDA/ European CE/Any other equivalent certification Preferable: ISO 9001:2008 Certification	<b>No Change</b>
<b>Service Support</b>			
1	Service Support Contact details	Contact details of manufacturer, supplier and local service agent to be provided	<b>No Change</b>
2	Training	Free onsite training should be provided for the doctors, ANM and ASHA. At least, two trainings (one training at the time of installation and another training after six months, i.e., refresher Training)	<b>No Change</b>
3	Warranty and on – site AMC	Should be 03 years each	<b>Accordingly, the relevant provisions of clause 14 &amp; 28.3 (c) shall stand amended</b>
	<b>Note</b>	L-1 will be decided on the basis of unit cost of Haemoglobinometer + 1000 strips/ Cuvette+1000 Auto disable Lancets	<b>No Change</b>
	<b>EMD Fee</b>		
1	EMD	Earnest Money Deposit (EMD) in Indian Rupees 2500000	<b>No Change</b>