



**Bihar Medical Services & Infrastructure Corporation Limited, 2<sup>nd</sup> & 3<sup>rd</sup> Floor, Swasthya Bhawan, Behind IGIMS, Sheikhpura, Adjacent to State Health Society, Patna 800023, Phone/Fax: +91612 2283287,+ 91612 2283288**

### **Corrigendum-IV**

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-354. 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/2023-24/ME-354</b>
Last date and time of submission of online bids	<b>28<sup>th</sup> May 2024 till 17:00 Hrs.</b>
Last date and time of submission of original documents of EMD, Tender Fee and Document	<b>29<sup>th</sup> May 2024 till 14:00 Hrs.</b>
Date, Time and Place of opening of Technical Bid	<b>29<sup>th</sup> May 2024 (at 15:00 Hrs.) on the website of <a href="https://eproc2.bihar.gov.in">https://eproc2.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="https://eproc2.bihar.gov.in">https://eproc2.bihar.gov.in</a></b>

**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**

<b>Annexure-I</b>		
<b>Name of Equipment: - Mobile X-Ray 100 mA</b>		
<b>Sl. No</b>	<b>Technical Specification as per tender</b>	<b>Final Amendment</b>
<b>1</b>	High Frequency generator of 40KHz or more for general radiography. Generator rating-4KW or more KV Range-40-100 KV mA-100 mA or more. The generator should have microprocessor/microcontroller based electric overload system.	No Change
<b>2</b>	Must have a digital display of mAs and kV, and an electronic/Exposure timer.	Must have a digital display of mA, mAs and kV, and an electronic/Exposure timer.
<b>3</b>	Ergonomically designed unit with total soft touch switches for various operations	No Change
<b>4</b>	Self-Diagnostic Program with indicators for earthing fault error, KV error or filament error.	No Change
<b>5</b>	Stationary Fixed anode with single focus	No Change
<b>6</b>	Exposure time range at least 1 ms to 5s.	Should be less than 5 sec.
<b>7</b>	Tube power rating at least 5 kW or more	Tube power rating at least 4 kW or more
<b>8</b>	Adjustable multi leaf collimator, rotatable 90 <sup>0</sup> with patient centring light.	No Change
<b>9</b>	Must be supplied with protective dust cover at least for control panel.	No Change
<b>10</b>	Should be compatible with various basinet size in NICU & PICU.	No Change
<b>11</b>	QA test of the machine as per AERB guidelines will be responsibility of supplier during warranty & during CMC, cost is added in CMC cost of the machine.	No Change
	<b>Settings</b>	No Change
<b>1</b>	KV increase & decrease switches.	No Change
<b>2</b>	mAs increase & decrease switches.	No Change
<b>3</b>	Machine On/Off Switch.	No Change
<b>4</b>	Collimator lamp On/Off switch.	No Change
<b>5</b>	X-rays ON indicator should available.	No Change
	<b>Dimensions (metric)</b>	No Change

	A. foot in width and 5 foot in length. Unit should have max. 7 foot in height, 3 foot in width and 6 foot in length	No Change
	A. Weight -Maximum 500 Kg.	Weight -Maximum 200 kg. or less.
	<b>Configuration</b>	No Change
1	The unit must have an effective braking system for parking, transport and emergency braking.	No Change
2	The tube stand must be fully balanced for rotation in all directions.	The tube stand must be fully Counter balanced and Tube Head rotation in all directions.
3	It must have an articulated arm for imaging with any patient position.	No Change
4	All cables should be concealed in the arm system.	No Change
5	Unit base wheels must be easily accessible for cleaning.	No Change
	<b>Safety / Certificate &amp; Electrical configuration</b>	No Change
1	Electrical safety conforms to standards for electrical safety IEC-60601, Class I.	No Change
2	Radiation safety to be certified to IAEA standards and AERB type approval (national standards).	No Change
3	Shall meet IEC 60601-1, IEC 60601-1-2, IEC 60601-1-3 and IEC 60601-2-28 (X-ray Tube) standard requirement.	No Change
4	Should work on 220VAC +/-10%, 50 Hz.	No Change
5	Certification- BIS & AERB Approved model should be offered.	a. US FDA/ European CE (Issued by Notified Body)/BIS Approved Model b. AERB Approved Model

<b>Name of Equipment :- Mobile X-Ray 60 mA</b>		
<b>SI. No</b>	<b>Technical Specification as per tender</b>	<b>Final Amendment</b>
1	General-purpose mobile diagnostic x-ray system used in a variety of routine x-ray imaging applications.	No Change
2	Must have a digital display of mAs and kV.	No Change
3	The unit should Adjustable collimator	No Change
4	The unit should be compatible with various basinet size in NICU, PICU, ICU & General bed	No Change

<b>5</b>	Hand switch should be available for trigger X-rays.	No Change
<b>6</b>	Unit should have wheel braking facility for easily accessible to required department.	No Change
<b>7</b>	The unit should operate on single phase power supply with plug in facility to any standard wall outlet with automatic adaptation to line voltage 200 to 240 Volts, 15 Amp plug	No Change
<b>8</b>	The unit should have Automatic tube over load protection.8	No Change
<b>9</b>	X-Ray Generator: High Frequency.	X-Ray Generator: High Frequency 40 KHz or More
<b>a.</b>	Power: 2.5 KW or more,	No Change
<b>b.</b>	Max KV : 100	No Change
<b>c.</b>	Max mA: 60	No Change
<b>d.</b>	Max Range: up to 200 mAS	No Change
<b>e.</b>	Exposure time: 20 msec to 5 sec or less	No Change
<b>10</b>	X-Ray Tube: Stationary Anode with focus spot 2.00 mm or less.	No Change
<b>11</b>	Tube Stand: The tube stand should be fully spring balanced with rotation	Tube Stand: The tube stand should be fully Counter balanced with tube head rotation all direction.
<b>12</b>	The unit should have Integrated Cassette box.	No Change
<b>13</b>	The quoted model and tube should be AERB type approved for usage up to 60mA. Relevant copies of the certificate should be attached with the bid.	No Change
<b>14</b>	Certification-BIS approved	US FDA/ European CE (Issued by Notified Body)/BIS Approved Model
<b>15</b>	Should be AERB Approval. QA test of the machine as per AERB guidelines will be responsibility of supplier during warranty & during CMC, cost is added in CMC cost of the machine.	No Change