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Corrigendum-I

Bihar Medical Services and Infrastructure Corporation Limited (BMSICL) had invited E-Bids from the interested parties for Procurement, Rate contract, Supply, Installation of Medical Equipment vide Tender No.-BMSICL/2025-26/ME-503. During 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. On the basis of their recommendations final amendment in technical specification of the equipment have been made which is 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-503
Last date and time of submission of online bids	28th July 2026 till 17:00 Hrs.
Last date and time of submission of original documents of EMD, Tender Fee and Document	29th July 2026 till 14:00 Hrs.
Date, Time and Place of opening of Technical Bid	29th July 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

Annexed:- As above

Sd/-
GM (Procurement)

Annexure-I		
Name of Equipment:- Electrocautery		
Sl. No	Technical Specification as per tender	Final Amendment
1	The system should be a microprocessor controlled surgical generator having Monopolar and Bipolar outputs designed for all surgical procedures including general surgery, gynecology, minimal invasive surgery, Orthopedic and ENT surgery.	No Change
2	Should be compatible for both open and laparoscopic surgery.	No Change
3	Should have facility to connect two mono polar electrodes.	No Change
4	Should have LED or LCD or TFT display of power settings for bipolar and mono-polar cut and coagulation modes. Display should be 3 or more segment.	No Change
5	Should have return electrode contact safety.	No Change
6	Should have different audible alarm for cut and coagulation modes.	No Change
7	Should have maximum range mono-polar cut power from 300 to 400 Watts variable in steps of 1 watts in lower power and 5 watts in high power.	No Change
8	Should have mono-polar coagulation power minimum 100 Watts or more, variable in steps	No Change
9	Should have maximum bipolar coagulation power 100 Watts or more, variable in steps	No Change
10	The unit should be provided with suitable power cord and should be compatible with Indian standard wall socket	No Change
11	Should have a volume control for the audible alarm.	No Change
12	Should be supplied with reusable flexible silicon rubber patient return plate with return electrode safety 1 no.	No Change
13	The performance of the unit should not be affected by electro-magnetic interference radiated or conducted through power lines from another device.	No Change
14	The working of the equipment should not interfere with the functions of other devices.	No Change
15	Should have USFDA or European CE from notified body. Should have IEC 60606-1-1/60606-1-2/60606-2-2	No Change
16	Should be supplied with disposable 3 pin hand pencil 10 nos. with cable.	No Change
17	Should be supplied with reusable mono-polar active handle with cable compatible for foot operation. (with complete set of electrodes) - 5 nos.	No Change
18	Should be supplied with reusable insulated bayonet shaped bipolar hand piece with cable compatible for foot operation - 2 no.	No Change
19	Should be supplied with color coded pedals water proof foot switch for mono polar and bipolar.	No Change
20	Additional Patient Plate Cable-1 No	No Change
21	Universal Adaptor - 1 No	No Change
22	Laprosopy cable, Monopolar & Bipolar - HF - 2 Nos each	No Change
23	Should have digital display of power settings for bipolar and mono-polar cut and coagulation modes.	No Change
24	Should have return electrode contact safety.	No Change
25	Should have different audible alarm for cut and coagulation modes.	No Change

Name of Equipment:- Computed Radiography (CR System)		
SI. No	Technical Specification as per tender	Final Amendment
	The fully Automated Multipurpose Computed Radiography system should have the following essential component & features: -	No Change
1	Image Recording System Cassettes & IP	No Change
2	Image reader/digitizer,	No Change
3	Cassettes identification system.	No Change
4	Dedicated advance workstation & Console.	No Change
5	Dry image laser/Thermal	No Change
6	UPS.	No Change
A	Image Recording System Cassettes & IP.	No Change
	The following sizes of radiography cassettes along with image plates (Photostimulable phosphor plate) should be supported by the unit. Quantity should be as under	No Change
1	35 cm X 43 cm or 14" X 17" -- 2 nos	No Change
2	24 cm X 30 cm or 10" X 12" -- 2 nos	No Change
B	Image reader. Qty -1	No Change
	Stand Alone Floor/ Table Top Model Image reader suitable for Government Hospital which is capable to handle high workload is required	No Change
1	The CR reader should be able to process 60 image plates/hr or more of the largest size cassette	No Change
2	CR reader must be able to handle phosphor image plates. Needle/Rigid/Flexible Dual Side reading phosphor image plates	No Change
3	It should have a resolution of 5pixels/mm (minimum) for standard resolution cassettes & 10 pixel / mm (minimum) for high resolution cassette reading.	No Change
4	Gray scale resolution: CR reader should have a minimum resolution of 12bits/ pixel or higher for images sent to CR processing station.	No Change
5	USFDA/ European Issue by notified body) approved Model should be offered.	No Change
6	Power Supply 220VAC +/- 10 %, 50Hz	No Change
C	Cassettes identification system – It should be Bar code / Automatic Cassette Identification type	No Change
D	Dedicated advance workstation & Console	No Change
1	The processing station must have 4GB RAM, or higher at least 2x ITB HDD in RAID configuration and 19 inch clinical grade monitor. The PC hardware and monitors must be from reputed brands like DELL, HP, and BARCO etc. The monitor should have a wide viewing angle and it should be clinical grade monitor with at least 1.3 MP resolution.	No Change
2	Processing server capable of identification of patient demographics to the acquired images will be preferred, else a separate identification station must be provided.	No Change
3	The server or ID station must be DMWL (DICOM modality worklist) compliant to access patient and study data from HIS or RIS.	No Change
4	It should provide display of acquired images with greater details of demographics viz. patient/ study listing for easy access.	No Change
5	The server must provide full amount of post processing features viz. geometric corrections, window level algorithms, annotation like markers,	No Change

	predefined text, drawing lines and geometrical shapes, multi-scale image processing, measuring distance and angles, shuttering, histograms, zoom, grey scale reversal, edge enhancement, noise reduction, indication of gray scale saturation level, latitude reduction etc.	
6	It should facilitate full-fledged DICOM printing and should be able to print multiple formats of patient study	No Change
7	Should be able to send DICOM images to DICOM workstation or PACS without loss of information.	No Change
8	Should be equipped with DICOM CD writer for transferring image on external device viz. CD or pen drive etc.	No Change
9	The system should have a facility to indicate over /under exposure in the preview screen. Kindly specify the image preview time.	No Change
E	Dry image laser (For Film printing)	No Change
1	The system should be supplied with dry image (Dry chemistry) with a spatial resolution of 500 PPI/dpi or more.	No Change
2	It should have contract resolution of 12 bits / pixel or more.	No Change
3	It should have 3 online film sizes out of 8 X 10", 10 X 12"/A4 and 14 X 17"/A3.	No Change
4	It should have normal throughput of 70 films per hour or higher for the largest size	No Change
5	Access time for first film should be 105 seconds or less.	No Change
6	The imager should be DICOM ready for receive, send and print facility	No Change
7	The system should allow at least 3 sizes from 5 sizes to be loaded at any time.	No Change
8	USFDA/ European CE approved Model should be offered.	No Change
9	Power Supply 220VAC +/- 10 %, 50Hz	No Change
10	Scope of supply shall include free of cost supply of 10 packet. Each packet not less than 90 films for each size (8 X 10", 10 X 12"/A4 and 14 X 17"/A3. Expiry of each film not less than 1 year.	No Change
F	UPS- Suitable online UPS back up must be provided for 30 minutes backup for the whole system	No Change
G	Price of cassettes and Films will be freezed for 5 years.	No Change
Name of Equipment:- 800 mA X-Ray with RF Fluoroscopy		Deleted (Not required this equipment)
SI. No	Technical Specification as per tender	
1	A. The system should comprise of:	Deleted
	1. 80 KW high frequency generator	Deleted
	2. Remote controlled R/F Table	Deleted
	3. FPD should have -	Deleted
	Receptor type: Amorphous Silicon	Deleted
	Scintillator: Cesium iodide (CsI)	Deleted
	Size of detector: 43 x 43cm or more	Deleted
	Image matrix size: 2.8K x 2.8K or more	Deleted
	A/D conversion: 16bits	Deleted
	Pixel size: 150 µm or less.	Deleted
	Detector resolution should be more than 3.3 lp/mm.	Deleted
	DQE: 65% or more at 0.05 lp/mm	Deleted

	Frame rate - Up to 30 frame/Sec	Deleted
	4. Multi Leaf collimator with auto collimation from Remote table	Deleted
	5. High capacity X-ray tube and tube assembly.	Deleted
	6. All controls of RF Table should be from console room as well as from examination room.	Deleted
2	B. X-Ray Generator	Deleted
	1. 80 KW or more microprocessor-controlled generator with high frequency inverter technology	Deleted
	2. Maximum output: 80 kW(800mA @80kV)	Deleted
	3. Radiographic kV range: 40 -150 kV at 1 kV step	Deleted
	4. Radiographic mA range :50-800 mA or more	Deleted
	5. Radiographic mAs range: 0.5-800 mAs	Deleted
	6. Anatomical program memory –user programmable – 50 programs or more	Deleted
	7. Digital Display of Radiography kV & mAs and Fluoro kV & mA and Cine kV & mA Spot kV and mAs. Integrated touch panel TFT display for various X-Ray function and indications.	Deleted
	8. Microprocessor controlled with automatic exposure control	Deleted
	9. Automatic setting of optimal digital radiography parameters from fluoroscopy parameters (kV, mAs)	Deleted
	10. Pulsed fluoroscopy should be possible	Deleted
	11. Safety timer for fluoro cut off should be available.	Deleted
3	C. R/F Tables	Deleted
	1. Remote controlled operation of table movement	Deleted
	2. Motorized Tilt: Vertical +90° to -20° or more Trendelenburg	Deleted
	3. Table has automatic stop at Horizontal & Vertical position during tilt movement	Deleted
	4. Motorized Transverse movement of tabletop: 20cm or more	Deleted
	5. Table with height adjustment facility	Deleted
	6. Motorized Longitudinal movements of imaging unit i.e Tube column – detector movement: 100cm or more	Deleted
	7. Tube Oblique movement	Deleted
	8. Integrated bucky for flat panel detector for general radiography and fluoroscopy.	Deleted
	9. Remotely operated compression device	Deleted
	10. Foot switch for releasing fluoroscopy and acquisition.	Deleted
	11. Patient weight carrying capacity: 200 kg	Deleted
	12. 01No. Suitable grid.	Deleted
	13. Table side controls for controlling the table movements	Deleted
	14. Intercom system to communicate with the patients. Table accessories: 1No. Each Handgrip, compression band, footrest.	Deleted
4	D. FPD should have -	Deleted
	1. Flat panel detector. Input field: 17” x 17” or more	Deleted
	2. Receptor type: Amorphous Silicon	Deleted
	Scintillator: Cesium iodide (CsI)	Deleted
	Size of detector: 43 x 43cm or more	Deleted
	Image matrix size: 2.8K x 2.8K or more	Deleted
	A/D conversion: 16bits	Deleted
	Pixel size: 150µm or less.	Deleted

	DQE:65% or more at 0.05 lp/mm	Deleted
	Detector resolution should be more than 3.3	Deleted
	3. 27" or more Medical Grade Monitors- 2 nos	Deleted
	4. Trolley for mounting monitor	Deleted
5	E. X-ray Tube	Deleted
	1. High Speed Rotating anode tube of 9000 rpm or better	Deleted
	2. Anode heat capacity – 300 kHU or more	Deleted
	3. Focal spot size –Small focus –not more than 0.6mm	Deleted
	4. Large focus – not more than 1.2mm	Deleted
	5. Short term rating – 33 kW/80kW or higher	Deleted
6	F. Digital Image Management system	Deleted
	System must be supplied with Digital Image Processing Workstation with following Features	Deleted
	1. DICOM Image Storage system with 27" monitor	Deleted
	2. DICOM print capability in different formats	Deleted
	3. CD/DVD writer to Store Images on CD for giving it to patients in PC formats.	Deleted
	4. Image Sharpening (Real-time or Stored Images)	Deleted
	5. Dynamic contrast control (Gray Level Stretch with WW & WL)	Deleted
	6. Exposure Mode- RF (For Fluoro, Cine and Spot) DX (For Radiography)	Deleted
	7. Image Size/ Frame Rate RF:	Deleted
	● 1024×1024 (1K×1K Image resolution)	Deleted
	● Up-to 15 FPS Pulsed X-Ray DX:	Deleted
	● 2840×2874 (2.8K×2.8K Image resolution) at Frame rate up to 2 FPS Continuous fluoro:	Deleted
	8. ON Screen Measurements	Deleted
	9. Area of Interest Marker	Deleted
	10. Text annotations and provision of removal of all text from the image	Deleted
	11. Frame by Frame review	Deleted
	12. Frame by Frame review	Deleted
8	G. Accessories	Deleted
	1. Lead Glass viewing window 100 cm x120 cm	Deleted
	2. Suitable Capacity Voltage Stabilizer (Servo Controlled) for entire 800 mA X-ray with FPD to be provided	Deleted
	3. Three light weight lead aprons.	Deleted
	4. Two thyroid shields,	Deleted
	5. Two gonadal shields	Deleted
9	Complete installation of the X-Ray 800mA with FPD machine including, cable ducting, earthing, lead lining on the doors, and all other works required for the installation of the X-Ray 800mA with FPD machine need to be done by the supplier.	Deleted
10	Post installation QA (Quality assurance) test should be done.	Deleted
11	Certification:-	Deleted
	1. USFDA/ European CE (Issued by Notified body) Approved Model.	Deleted
	2. AERB type Approved Model.	Deleted

Note:- 800 mA X-Ray with RF Fluoroscopy machine has been deleted from this tender, hence bidder are requested not to submit the tender for this equipment.