



**Office of the Chief Executive Officer,
Shri Mata Vaishno Devi Shrine Board**

Subject: SITC of Medical Equipments (Radiology Department) and post-warranty CMC for a period of 05 years.

Reference No.: e-NIT No. CO/Pur/NE/635-II/964 Dated: 08.06.2026

CORRIGENDUM / ADDENDUM

S. No.	Existing Technical Specifications	Revised Technical Specifications
FIXED DIGITAL X-RAY RADIOGRAPHY (DR) SYSTEM		
1	The generator shall be a high frequency, microprocessor-controlled X-ray generator of latest technology	The generator shall be a high frequency of 200KHZ, microprocessor-controlled X-ray generator of latest technology
2.	Dose Management & Paediatric Imaging c) Paediatric dose optimization features shall be available	The unit has APR mode to select the KV & mAS for various dose selection as per Body sizes (Pediatric, Small, Large) & Anatomy."
3.	Regulatory Approval b) CE Certification c) US FDA approval or equivalent	The complete unit should be European CE from notified body/USFDA certified.
4.	The firm has not been blacklisted in the past by any Govt/ Private institution of the country	As per guidelines given in the office Memorandum dated 02.11.2021 issued by Department of Expenditure, Govt. of India, Procurement Policy Division regarding Debarment of firms from bidding Bids from only such firms shall be considered for placement of contract, which are neither debarred on the date of opening of tender (first bid, normally called as technical bid, in case of two packet/two stage bidding) nor debarred on the date of contract
5.	The system shall be provided with electromagnetic or equivalent braking mechanism.	The system shall be provided with electromagnetic or equivalent braking mechanism with fully counter balanced mechanism with sensors for collision protection system.
6.	The tabletop shall be made of carbon fibre and shall have four-way floating movement.	The tabletop shall be made of carbon fibre or equivalent and shall have four-way floating movement.
7.	In addition to above, the following features must be available in the machine: - Flat Panel Detector must be IP57 Rating - Unit should have LED /LCD display unit of minimum of 9" size mounted on the tube side to display Exposure parameters, tube inclination angle, SID & preview of image. - Inbuilt camera for live monitoring of patients during positioning and exposure, auto stitching planning should be possible using real-time camera. - Motorized trans lateral movement using remote control should be possible. - Automatic Source tilting method Image Stitching Software up to 3 or 4 images must be provided for performing full leg full spine / long body imaging in both vertical bucky and table bucky. - Enhances the image quality without the use of a conventional physical grid. - The machine must have AI features for advancement technology: - The Console system must be capable for advance AI features such as Bone suppression imaging, identifying Lung Nodules, Pneumo thorax, Pleural effusion automatically in single exposure only and not multiple exposure. Also, the Post processing to be part of console software. - AI based Scatter Radiation tool to be provided for removal of scatter Radiation in the image without the need of physical grid, should be mapped with APR.	

PORTABLE X-RAY (DR) SYSTEM		
1.	Dose Management & Paediatric Imaging b) Paediatric dose optimization features shall be available	The unit has APR mode to select the KV & mAS for various dose selection as per Body sizes (Pediatric, Small, Large) & Anatomy.
2.	Regulatory Approval b) CE Certification c) US FDA approval or equivalent	The complete unit should be European CE from notified body/USFDA certified.
3.	The system shall have an inbuilt battery or suitable power backup for mobile operation.	The Unit should be powered by single Lithium Ion/ Polymer Battery for both movement and Exposure
4.	In addition to above, the following features must be available in the machine: • The tube side, there should be a 7" or more color touch panel which gives the details of tube angulation, X-ray selected parameters, distance, preview of image and all other vital information such as patient details. • Position of the detector angle to be displayed at the Tube head display for correction of tube angle • A laser-centering device for the accurate positioning of SID to be provided and should be APR-based • The System should have a counter balanced collapsible Stand and electromagnetic locking system tube arm is provided. • Detector should be dust and water resistance with IP57 rating • The detector should be capable of charging automatically in the cabinet during movement • Inbuilt shock logging mechanism and data to be logged in the main console SW • AI based Scatter Radiation tool to be provided for removal of scatter Radiation in the image without the need of physical grid, should be mapped with APR. • Software based Automatic Exposure Control (AEC) Software to optimize the Radiation dose. • System should be able to identify correct patient positioning. • The machine must have AI features for advancement technology: ○ The Console system must be capable for advance AI features such as Bone suppression imaging, identifying Lung Nodules, Pneumo thorax, Pleural effusion automatically in single exposure only and not multiple exposure. Also, the Post processing to be part of console software." • Fully integrated panel with touch screen console & inbuilt PC having following functions & indications. ○ Charging of the Detector battery in the Unit/Pocket. ○ Touch Panel on Tube: 8.4 inch ○ Lithium- ion battery-based Motor driven, operated fully spring balanced stand machine movement controlled from pressure applied on handle for easy mobility and steering. Machine can move upto 30km in single charge ○ Equipment has keyless access (Password Protected) for switch ON/OFF the machine to avoid unauthorized access.	

Sd/-
(Dr. Gopal K Sharma)
Asstt. Chief Executive Officer

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