



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

Subject: SITC and post-warranty CAMC for a period of 05 years for Medical Equipments required at SMVDIME, Kakryal (Radiology Department).

Reference No.: e-NIT No. CO/Pur/NE/635-IV/2406, Dated: 28.10.2025

CORRIGENDUM / ADDENDUM

S. No.	Name of Equipment	Existing Technical Specifications	Revised Technical Specifications
1.	Fixed X-Ray DR	The table should have an anti-scatter carbon fibre interleaved grid of 8:1 ratio with focus distance of 100 cm or more. The grid should be carbon fibre interleaved.	The table should have carbon fibre interleaved / equivalent technology.
		Operation (Acquisition) Station (Main Console): as well as movement of system both independently for the tube, detector and table and jointly as a unit.	This requirement may be deemed to have been deleted; ab-initio.
		ICE standard (1EC 62494-	CE with 4 digits notified body / USFDA
		Accessories f) 02 nos of high-end medical grade monitors 24 inches to be supplied	This requirement may be deemed to have been deleted; ab-initio.
		Regulatory Approval • European CE and US FDA approval for the quoted model	CE with 4 digits notified body / USFDA
		The resolution should be minimum of 3.35 lines pair/mm.	The resolution should be minimum of 3.3 lines pair/mm or more
		DOE 65% or more at 0.051p per mm at RAQ5 beam quality.	h) DOE 70% or more at 0 lp per mm at RAQ5 beam quality.
		Generator: a) Microprocessor controlled high frequency 200 KHz or more. X-Ray Generator should be of latest technology with constant output with low ripple frequency.	Generator: Microprocessor controlled high frequency generator. X-Ray Generator should be of latest technology with constant output with low ripple frequency.
		X-Ray Tube: The X-ray tube collimator assembly should have touch screen panel to display patient demographics, exam details, positioned details and exposure parameters and change the tube & detector position, distance and angulations between them.	This requirement may be deemed to have been deleted; ab-initio.
		It should be possible to change system positioning end exposure parameters from the touch screen panel on the collimator.	This requirement may be deemed to have been deleted; ab-initio.
		It should have facility to display FFD, SD, selection of KV and mA on a 10" touch screen.	It should have facility to display FFD, SID on a 7" or more touch screen.
The tabletop movement should be (minimum) Longitudinal Movement: 109cm, Cross Movement: ±12cm.	The tabletop movement should be (minimum) Longitudinal Movement: 110cm, Cross Movement: ±12.5cm.		
The table should have an anti-scatter carbon fiber interleaved grid of 8:1 ratio with focus distance of 100 cm or more. The grid should be carbon fiber interleaved.	Bucky should have a removable grid with grid ratio 10:1 or more and focus distance of 100 cm.		

		It should have automatic grid sensing capability to select appropriate grid for each anatomical region.	This requirement may be deemed to have been deleted; ab-initio.
		Operation (Acquisition) Station (Main Console): This server must be provided with a High-Quality touch screen (minimum 21 inches) monitor of minimum 2 MP resolutions.	This server must be provided with a High-Quality (minimum 19 inches) monitor of minimum 1 MP resolutions.
		The console should have automatic program to indicate over /under exposure visually in the preview screen based on ICE standard (IEC 62494-1). It should be able to indicate the exposure on the flat panel comparing the Target Exposure Index (TEI) so that the radiographer can clearly understand if the image is over exposed or underexposed.	This requirement may be deemed to have been deleted; ab-initio.
		It must be possible to change the image to true size image in print composer in one click.	This requirement may be deemed to have been deleted; ab-initio.
		It should be possible to record reasons for over/under exposure per exposure if the Dose reference level indicates deviation from recommended dose level. It should be also possible to generate a report based on the reasons for over/under shoot.	This requirement may be deemed to have been deleted; ab-initio.
		The post processing/image processing should be from the original DR manufacturer.	This requirement may be deemed to have been deleted; ab-initio.
		Accessories: Dry Chemistry Printer- 02 Nos to be supplied	03 laser printers required
		The system must have at least three online film sizes and should be capable to print on any of the 3"x10",10"x12", 11"x14", 14"x14", 14"x17" sizes. All two film input trays should be freely configurable at user level for all the mentioned film sizes.	The system must have at least three online film sizes and should be capable to print on any of the 8"x10", 10"x12", 11"x14", 14"x17" sizes.
		The machine should be able to do minimum of 400 X-rays or more per full battery charge and also capable to move min 40kms	This requirement may be deemed to have been deleted; ab-initio.
		Position of the detector angle to be displayed for correction of tube angle during out of bucky X ray.	This requirement may be deemed to have been deleted; ab-initio.
		Two ceiling mounted DR systems and Three Dry Chemistry Printers must be provided with the machine	03 laser printer and 02 ceiling mounted DR Systems
		The X Ray Generator, Detector and Console Software should be from the same manufacturer for seamless connectivity and consistent image quality	"The X Ray Generator, Detector and Console Software should be from reputed manufacturers and should be fully integrated for seamless connectivity and consistent image quality"
2.	Portable X-Ray	Premium, battery-operated, motorized mobile DR system with a 32-kW generator.	"Premium, battery-operated, motorized mobile DR system with a 30-kW generator".
		KV range to 40- 125KV with an increment of 1 KVP per step.	Please change to "KV range to 40-120KV with an increment of 1 KVP per step."
		40 KW or higher (nominal rating) X Ray Generator with a maximum of 150 KVP or more.	32 KW
		The console should have automatic program to indicate over /under exposure visually in the pre view screen based on IEC standard (IEC 62494-1). It should be able to indicate the	This requirement may be deemed to have been deleted; ab-initio.

		<p>exposure on the flat panel comparing the Target Exposure Index (TEI) so that the radiographer can clearly understand if the image is over exposed or underexposed. Should be able to send DICOM images to a DICOM viewing station / PACS and Should be able to connect to HIS / RIS for DMWL. It Should comply the following IHE profiles. - CPI - REM - PDI - PIR - SWF - CT - ATNA. Dose monitoring and reporting based on DRL (Dose reference level) using DAP meter readings and EI should be possible. It should be possible to generate structured reports on dose performance which can be shared with PACS and other DICOM systems. The dose monitoring tools should provide Please delete this feature in the interest of broad-based wider participation Statistical Analysis of Exposure and Dose performance on following parameters, - Exposure Index and Deviation Index - Outliers - Dose Area Product (DAP) values - Complete Exposure List - Results can be Exported Dose trend, It should be possible to record reasons for over/under exposure per exposure if the Dose reference level indicates deviation from recommended dose level. It should be also possible to generate a report based on the reasons for Over and Under</p>	
		<p>It should have US FDA & CE certifications.</p>	<p>CE with 4 digit verified body No. / USFDA</p>
		<p>System should have Rotating Column:</p> <ul style="list-style-type: none"> • Wheel Diameter: 100 mm front, 300 mm rear. • Max. Length in transport position: 1189 mm • Max. Height in transport position: 1504 mm • Max. Width in transport position: 700 mm • Handle Height: 932 mm • Focus Floor distance: 444 - 2153 mm • Monbloc rotation on around sagittal axis: +/- 180 degree • Monbloc rotation on around transversal axis: +/- 49 degree to 120 degree • Weight: maximum upto 260 kg 	<p>Total Height of Machine from Ground:</p> <ul style="list-style-type: none"> • Min height: 1445 mm • Max height: 2180 mm • Total Length of Machine: 1450mm • Maximum Height of Focal Spot from Floor: 2020mm • Total Width of Machine: 720mm or better. • Handle Height: 1030mm or better. • Focus Floor distance: 560 - 2020mm or better. • Tube Rotation on Horizontal Axis: $\pm 180^\circ$ • Tube Rotation Around Tube Axis: - 20°, $+90^\circ$ • Net Weight of Machine: 520kg or less.

Further, the last date for submission of technical bids against ibid e-NIT is hereby extended upto 05.12.2025.

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

No: - CO/Pur/NE/635/2789

Dated: 22.11.2025