DIGITAL X RAY

S.N.	Component Block	Technical Specifications & Scope of Supply	Qty	Offered Make / Model	Basic Rate	GST	Total Price
1	HF X-Ray Generator	Rating: 30-32 kW, >=40 kHz, max output >=300 mA, 40-125 kVp, 1-300 mAs. Controls: 3-point technique (kVp, mA, s), AEC compatibility, >=200 APR programs. Protections: Automatic self-diagnostic routines, tube overload & line voltage spike protection.	1 Set				
2	X-Ray Tube Unit & LED Collimator	X-Ray Tube: Dual focus (Small <=0.6 mm / Large <=1.2 mm), high-speed rotating anode (>=3,000 to 9,000 RPM). Capacity: Heat storage >=140 kHU; reputed OEM/international make with heavy-duty HV cables. Collimator: Manual/auto-rotation, high-luminosity LED field with auto cut-off timer & scale.	1 Set				
3	Positioning Stand & Radiographic Table	Tube Stand: Floor-to-ceiling or ceiling suspended, counterbalanced, full 3D travel, EM brakes, SID scale. Patient Table: 4-way floating tabletop, >=250 kg weight rating, mechanical/electromagnetic locks. Bucky Integration: Integrated moving grid bucky compatible with 43x43 cm flat panel detector.	1 Set				

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4	Vertical Chest Stand (Bucky Unit)	Movement: Smooth counterbalanced vertical travel with robust electromagnetic/mechanical locks. Detector Housing: Accommodates 43x43 cm FPD with scatter grid; auto-tracking with tube preferred.	1 Set				
5	DR Detector 1: Table Bucky (Wireless)	Panel: 43x43 cm (17x17 in), CsI:Tl direct deposit scintillator, AED triggering. Durability & Power: High IP liquid ingress rating, drop/shock resistant, >=2 hot-swap batteries + charger.	1 No.				
6	DR Detector 2: Vertical Chest Bucky	Panel: 43x43 cm (17x17 in), CsI scintillator, high DQE @ 0 lp/mm, pixel pitch <=140 um. Performance: Synchronized with chest bucky, high spatial resolution for chest/spine radiography.	1 No.				
7	Workstation Console, PACS & Online UPS	Console: Medical-grade PC (>=16 GB RAM, SSD primary storage) + >=24-inch high-resolution display. Software: Multiscale processing, pediatric low-dose modes, Exposure Index (EI), repeat/reject analysis. DICOM: Full DICOM 3.0 (MWL, Print, Store, MPPS, HIS/RIS/PACS sync) + Dedicated true online UPS.	1 Set				

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8	Installation, Turnkey AERB QA & Licensing	Regulatory: Mandatory AERB Type Approval; full vendor assistance for e-LORA site registration. Services: Turnkey delivery, physicist acceptance QA survey, calibration, and technician application training.	1 Job				
OPT	CMC (Years 3 to 5)	Post-warranty Comprehensive Maintenance Contract covering all parts (including Tube & Detectors).	3 Yrs				
OPT	AMC (Years 3 to 5)	Post-warranty Annual Maintenance Contract covering preventive maintenance & labor (parts excluded).	3 Yrs				