

**TECHNICAL SPECIFICATIONS FOR
300 mA HIGH FREQUENCY MOBILE X-RAY MACHINE
(Includes the supply, delivery, installation
and commissioning of unit)**

Application/Use

Ward radiography without fluoroscopic x-ray examinations for level II service capability
(as per A.O. # 35, s. 1994)

Standard Composition

- General Specifications
- High Tension Generator
- Control Unit
- X-ray Tube Assembly
- Accessories
- Other Requirements
- Other Terms and Conditions

Technical Specifications

			Bidder's Offer (Please check if available)
General Specifications of the Unit	Ball bearing wheel and rubber tires of adequate sizes and strength		
	Maneuverable		
	Complete with handrails and positive foot or hand operated breaks		
	Explosion proof		
	Electrically grounded		
	Motorized or manually driven		
	Maximum height	2 meters	
High Tension Generator	Power source	Single phase, 220 V, 60 Hz	
	High frequency		
	Rating	15 kW or higher	
	Kilovoltage (kV)	45-125 kV	

Technical Specifications continued . . .

			Bidder's Offer (Please check if available)
Control Unit	Overload protection system		
	kV selector	Range: 45-125	
	kV Digital read-out or meter		
	Indicator for x-ray and ready		
	Audible alarm during exposure		
	Shielded storage compartment	At least five (5) 14" x 17" cassettes with exposed and unexposed films divider	
X-ray Tube Assembly	Anode	Rotating Heat storage capacity: 140,000 HU or higher	
	Focus S/D	1 mm x 1 mm or smaller	
	Collimator	Multi-leaf Manually controlled	
		With field lamp and cross-hair centering	
	Total filtration	Minimum of 2.5 mm Al equivalent	
	Rotation	About arm axis	
	Movement	Vertical, lateral and horizontal	
	Locking device		
	Accessories	1 pc film viewer	4 banks, 14" x 17" each bank
1 pc lead apron		With minimum lead equivalence of 0.25 mm lead	
1 pc thyroid shield			
1 pc measuring caliper		Sliding, double sided, scaled in cm, with blunt edges and parallel arm	
1 pc upright gonadal shield for chest x-ray examinations		With minimum lead equivalence of 0.5 mm lead	
1 pair lead gloves			
1 set contact gonadal shields			
Other Requirements	Two sets of the following: <ul style="list-style-type: none"> • operation and instruction manuals • service and installation manuals • wiring and schematic diagrams • parts listing • tube rating chart • anode cooling chart 		

Other Terms and Conditions	To be checked by the bidder
Five (5) years warranty for parts and service after passing the acceptance testing of the Radiation Health Service (RHS), Department of Health (DOH)	
Must comply with the applicable requirements under DOH Administrative Order (AO) No. 35, s. 1994	
Bid offer is in Philippine peso to include taxes and duties; transportation to site, delivery, installation and testing expenses on site (hospital)	
Equipment must pass the acceptance testing of the RHS, DOH as provided in the DOH AO No. 21, s. 1996 dated 04 June 1996	
Supplier must provide orientation training for users and maintenance personnel of the hospital	
Certification of manufacturer guaranteeing the availability of all spare parts for the next ten (10) years	
Inventory of spare parts for the unit/model offered duly signed by the principal	
Certification that the supplier has the capability for corrective and preventive maintenance of the unit	
Certificate/s of training for engineers/maintenance service personnel in model offered	
Certificate of sole distributorship from the unit manufacturer mentioning the name of the Philippine representative	
Certification of manufacturer guaranteeing delivery of equipment and all accessories	
Delivery together with the x-ray unit of the following: <ul style="list-style-type: none"> • One (1) pc circuit breaker • One (1) pc extension board for troubleshooting • Three (3) pcs per lamp for indicators of all x-ray parameters with pilot lamp 	
The unit should conform to the International Electrotechnical Commission (IEC) standards or its equivalent	
Certificate of Philippine Securities and Exchange Commission (SEC) registration	
Certification of guaranteed uptime for the equipment offered	
The supplier must submit the original brochure.	
Supplier must provide and install dedicated grounding system for the x-ray unit.	
Supplier must be accredited as a supplier of x-ray equipment by the DOH Accreditation Committee for Medical Equipment	