

TECHNICAL & PERFORMANCE SPECIFICATION FOR MEDICAL EQUIPMENTS

التجهيزات الطبية

مراكز الرعاية الصحية

Item Code	4455260050002	GROUP #	PHC080
ITEM DESCRIPTION	DIGITAL X-RAY UNIT BASIC - FOR PHC	اسم البند	وحدة أشعة ثابتة - للمراكز الصحية

MODEL OFFERED	MANUFACTURER	COUNTRY OF ORIGIN

#	TECHNICAL PARAMETERS	SPECIFIED	RESULT
1	Regulatory :	FDA 510 (K) , SFDA & CE	
2	General Digital Radiography Machine With Single Detector	Yes, Basic	
3	X-Ray Generator :		
3.1	Type	High Frequency with Automatic Exposure Control	
3.2	Automatic Line Voltage	Yes	
3.3	Generator Power (Output)	65 KW	
3.4	Exposure Voltage	40 KV to 125 KV	
3.5	Shortest Exposure Time	1 ms	
3.6	Organ Program	For adult & pediatric including setting for most radiographic positions in different sensitivity modes of the digital detector in central and eccentric collimation and also for CR cassette exposure	
3.7	Radiation Dose	DAP is Mandatory	
4	Suspension For X-Ray Tube Collimator Assembly :		
4.1	Type	Floor Mounted with horizontal rail movement or Ceiling suspension if room height permit.	
4.2	Travel :		
4.3	Longitudinal	Yes ,Specify	
4.4	Transverse	Yes ,Specify	
4.5	Vertical	Yes ,Specify	
4.6	Tube rotation		
4.7	Around vertical axis	Yes	
4.8	Around horizontal axis	Yes	
5	X-Ray Tube Collimator Assembly :		
5.1	Anode	Rotating anode	
5.2	Nominal output kw	65 KW	
5.3	Nominal focal spot	Dual focus 0.6/1.25 mm or smaller	
5.4	Anode heat storage capacity	Not less than 300 KHU	
5.5	Filtration	Additional filtration required	
5.6	Collimator	Square/rectangular	
5.7	Collimation	Manual collimation	
5.8	Rotation degree	(+/-45) degree	
5.9	Angulation	(90) degree	

THE BIDDER MUST COMPLY WITH ALL ABOVE SPECS. AND MUST FILL HIS OFFER IN THE "OFFERED" COLUMN THEN STAMP AND SIGN THE SHEET.



يلتزم مقدم العطاء بكافة المواصفات الفنية الموضحة أعلاه كما يلتزم بتعبئة عرضه المقدم على أوراق المواصفة بالخانة الموضحة مع ختمها وتوقيعها

TECHNICAL & PERFORMANCE SPECIFICATION FOR MEDICAL EQUIPMENTS

#	TECHNICAL PARAMETERS	SPECIFIED	RESULT
5.1	Full field light localizer	Laser/ light localizer	
6	Detector Assembly :		
6.1	Type	Floor mounted with vertical movement	
6.2	Digital detector	yes, Wireless	
6.3	Detector type	Digital flat panel	
6.4	Material	Specify	
6.5	DQE	Minimum 60%	
6.6	Detector active size in cm	Minimum 35 cm x 40 cm.	
6.7	Pixel size	Maximum 200 μ	
6.8	Matrix size	Approx. (2022 x 2022) & above	
6.9	Detector guarantee	5 years (include fall)	
6.1	Radiation dose	DDI or equivalent	
6.11	Radiation grid	Removable grid	
6.12	AEC	Required	
6.13	Vertical Detector movement range	Specify	
7	Patient Table :		
7.1	Type	fixed table base	
7.2	shape	ordinary with built in foot switch	
7.3	Vertical movement	Yes, height adjusted Motorized	
7.4	radiation absorption	Low absorption material	
7.5	Load capacity kg	not less than (150) kg	
8	Acquisition Workstation (Operator Console) :		
8.1	Type	Preferable Intel based	
8.2	Hard disk storage	Should store minimally 1000 uncompressed images with image acquisition data and references like DDI	
8.3	RAM memory	Min. 2GB	
8.4	CD/R	yes	
8.5	Network capability	100/1000 bit	
8.6	Monitor type	LCD	
8.7	Monitor size	18 to 21 inches	
8.8	Monitor resolution	not less than (1024 x 1024)	
8.9	Operating Software	specify	
8.1	Adult & pediatric organ exposure programs	Including AEC	
8.11	Radiation dose monitoring	DAP and DDI are mandatory	
9	Post processing functions :		
9.1	Window level	yes	
9.2	Gray scale invert	yes	
9.3	Interpolated zoom w/ roam	yes	
9.4	Image rotate	yes	
9.5	Image annotation	yes	
9.6	Measurements	yes	
9.7	Retrospective collimation	yes	

THE BIDDER MUST COMPLY WITH ALL ABOVE SPECS. AND MUST FILL HIS OFFER IN THE "OFFERED" COLUMN THEN STAMP AND SIGN THE SHEET.



يلتزم مقدم العطاء بكافة المواصفات الفنية الموضحة أعلاه كما يلتزم بتقديم عرضته المقدم على أوراق المواصفة بالخانة الموضحة مع ختمها وتوقيعها

TECHNICAL & PERFORMANCE SPECIFICATION FOR MEDICAL EQUIPMENTS

#	TECHNICAL PARAMETERS	SPECIFIED	RESULT
9.8	UPS	Appropriate UPS system for acquisition work station	
9.9	Operator Console Desk	yes	
9.1	Operator Chair	Two	
10	Networking & Security :		
10.1	DICOM 3.0	Yes, full DICOM 3.0 Please supply your DICOM Conformance Statement	
10.2	Store	yes	
10.3	Image auto transfer	yes	
10.4	Query, retrieve, Send, Receive	yes	
10.5	Modality worklist	yes	
10.6	Storage commitment	yes	
10.7	DICOM print	yes	
10.8	Patient edit	yes	
10.9	DICOM MPPS	yes	
10.1	DICOM GSDF	yes	
10.11	DICOM Viewer on CD	Burn exam on CD with DICOM viewer for exam distribution	
11	Accessories :		
11.1	Patient handle for Bucky detector assembly	yes	
11.2	Positioning Pads Set	Yes	
11.3	Table top cover paper dispenser	YES	
12	Technical Specifications :		
12.1	Voltage	220-240 V	
12.2	Frequency	60 Hz	
12.3	Ampere	specify	
12.4	K .watt	specify	
12.5	Heat	specify	
12.6	Dimension	specify	
12.7	Manuals	service and operation	
13	Preinstallation :		
13.1	Pre installation work	Yes	
13.2	Site visit certificate with drawing	required	
13.3	Room temperature & humidity Control & stabilization	Yes	
13.4	Verification of manufacturer & Country of origin		
13.5	Detector		
13.6	Manufacturer name	specify	
13.7	Country of origin	specify	
13.8	Tube		
13.9	Manufacturer name	specify	
13.1	Country of origin	specify	
13.11	Table		
13.12	Manufacturer name	specify	
13.13	Country of origin	specify	
14	MOH Requirments :		

THE BIDDER MUST COMPLY WITH ALL ABOVE SPECS. AND MUST FILL HIS OFFER IN THE "OFFERED" COLUMN THEN STAMP AND SIGN THE SHEET.



يلتزم مقدم العطاء بكافة المواصفات الفنية الموضحة أعلاه كما يلتزم بتقديم عرضته المقدم على أوراق المواصفة بالخانة الموضحة مع ختمها وتوقيعها

TECHNICAL & PERFORMANCE SPECIFICATION FOR MEDICAL EQUIPMENTS

#	TECHNICAL PARAMETERS	SPECIFIED	RESULT
14.1	The vendors should connect the system to PACS	Yes	
14.2	Detector guarantee	5 years (include fall) & Covered with an official letter from the Vendor	
14.3	Warranty	5 years parts & labor	
14.4	Maintenance and Service Contract Value with Spare Parts for the First Year after Warranty	Specify Value	
14.5	Maintenance and Service Contract Value with Spare Parts for the Second Year after Warranty	Specify Value	
14.6	Maintenance and Service Contract Value with Spare Parts for the Third Year after Warranty	Specify Value	
14.7	Maintenance and Service Contract Value with Spare Parts for the Fourth Year after Warranty	Specify Value	
14.8	Maintenance and Service Contract Value with Spare Parts for the Fifth Year after Warranty	Specify Value	

THE BIDDER MUST COMPLY WITH ALL ABOVE SPECS. AND MUST FILL HIS OFFER IN THE "OFFERED" COLUMN THEN STAMP AND SIGN THE SHEET.



يلتزم مقدم العطاء بكافة المواصفات الفنية الموضحة أعلاه كما يلتزم بتقديم عرضة المقدم على أوراق المواصفة بالخانة الموضحة مع ختمها وتوقيعها