Technical Specification of X-Ray Machine 500mA with Digital Radiography System

S.N.	Purchaser's Specifications X-RAY 500mA with DR System		Bidder's Offer		
. 64			Yes /No	Ref Docs Page No.	Remarks
	Manufacturer				
	Brand				714
	Type/Model				100
	Country of Origin				
1	Description of Function				
1.1	A general X-Ray Machin	e 500mA & Digital Radiography System			
2	Operational Requireme	ents			
		sed for adult and pediatric patients in			74.7
200	general radiography examples	nination.			
3	System Configuration		0.00		
3.1	500 mA X-Ray Machine			1.00	
3.2	Multiposition Table		1 1 1 1		2
3.3	Wireless Flat Panel Dete	ctor System.			
	Printer				
	Technical Specification	S			
4	X-Ray System				
4.1	X-Ray Generator				
4.2	Should be Line frequence	y X-Ray generator			
4.3	Should have Digital Display of KV, mA, mAs				
4.4	Output power 40KWor more				1 1000
4.5	.5 KV Range– 40 to 125KVp				E.
4.6	.d mA range-50 to 500mA			100	
4.7	mAs range- 1 to 500 mA	NS .			
4.8	Should have Over-Load	Indication -			
4.,9	X-Ray Tube				
4.10	Should consist of Rotation	ng anode			
4.11	Focal SpotApprox Smal	1.0 mm x 1.0 mm, Large 2mm x 2mm.	100		
4.12	Anode heat capacity sho	uld be 140 KHU or more			Later T
4.13	Floor Mounted Tube S	tand			
4.14	Floor to Ceiling Stand				
4.15	Column Movement coul	d be arrested by Foot Lock		Negative	
	Column Height: Approx				
		el: Approx.3100 mm or more		19 K. 187	
	Control Panel				
4.19	Should have Error Indic X-Ray Equipment	eation function in case of malfunction of			
4.20	Display of KV, mA, mA	S			O A VASS
4.21	Should have switches fo	r selection of various parameters			

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4.00	WVD:		T
	KVP increment & Decrement in step of 1KVp.		
4.23	Should have Alpha numeric LCD display.		
4.24	Should be Supplied with Multiposition Table.		+
	Must submit ISO13485:2003/AC:2007for Medical Devices for X-		-
4.25			
126	Ray System Must Submit CE or USFDA Certificate.		-
	Must Submit BIS and AERB type approval certificate forX-		-
4.27	Ray System		
	Flat Panel Detector System		
	Amorphous Silicon (ASi) flat Panel detector		
	Cesium Iodide (CSi) Scintillator and/or amorphous silicon		-
	Lossless AED (automatic exposure detection)		
-	Portable wireless approx. 14x17 inches size detector		
	The detector should be light weight 3.3kg or below.		
5.6	Detector should have built in image storage option for at least 200		2.5
	images or more.		
	The Pixel pitch should be 150 microns or less.		
5.8	Should have a minimum AD conversion of 16 bit or more.		
5.9	Data communication should be wireless.		
5.10	The Detector must have internal AP function and system should have		
	features to install from internal AP Features.		
5.11	System should also be supplied with external AP device.		
5.12	The Detector should have replaceable Lithium ion capacitor/ lithium		
	Polymer battery.		
5.13	The Detector should be able to withstand surface load of 150kg.		
5.14	Detector panel should be supplied with one additional battery.		
5 15	Easy Switch from sleep mode to acquisition mode for better battery		
0.10	performance.		
5.16	Battery charger should be available to charge additional battery.		
5.17	Software should have DICOM & PACS connectivity as a standard		
0.1	feature		
5.18	DR software should have standard stitching features.		
	Medical Printer :		
	Inkjet printer		
-	Film Print Sizes: 8 x 10		
	Single Online Tray		
	Daylight film loading		
	Certification		
	Must be CE Certified & FDA for DR system	1	
1	Power source & Supply		
8.	Electrical as well as generator, AC 220-240 v		

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9 All standard accessories, consumables and parts required to operate	Т	
the equipment, including all standard tools and cleaning and	1 1	
lubrication materials, to be included in the offer Bidder's must		
specify the quantity of every item included in their offer (including items not specified above)		
10 Operating Environment		
10.1 The system offered shall be designed to be stored and to operate	-	
normally under the conditions of the purchaser's country. The	1 1	1
conditions include Power Supply, Climate, Temperature, humidity,		1
etc.		
11 User Training	-	
11.1 The Supplier shall conduct user training for this equipment to enable		
operators to use the equipment properly. The training shall		
include the use 0 fall operational functions of the equipment as well as		
routine checks and maintenance expected by users		
12 Warranty		
12.1 Comprehensive Warranty for 1 Year after acceptance		
13 Maintenance Service During Warranty Period		
13.1 During warranty period supplier must ensure preventive		
maintenance & corrective/breakdown whenever required		
14 Installation & Commissioning		
14.1 The bidder must arrange for the equipment to be installed by certified		
or qualified personnel; anyprerequisites or installation to be		
communicated to the purchaser's in advance in details		
15 Documentation		
15.1 User(Operating) manual in English		
15.2 Service (Technical/maintenance) Manual in English		

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