

FILE No.		C ARM FLUROSCOPE X RAY MACHINE 12.12.2018 Draft 2													
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Medical diagnostic imaging and nuclear medicine products : UNSPSC 4220															
Sub Category : Medical Diagnostic X Ray Products - UNSPSC Code 422018															
C ARM FLUROSCOPE X RAY MACHINE : UNSPSC Code - 42201804															
S.No.	Parameters	Grouping		Value 1	Value2	Value 3	Value 4	Value 5	Golden	Validation	Whether Filter Required	Remarks	p r i t o y	U n i t	Demand Aggregation
1	Confirmity to Standards	S	E	CE (with 4 digit notified number)	USFDA				G						
2	Certification Number and Date	S	T												
3	Type test approval from AERB required	S	E	Yes											
4	Type test certificate date and number	S	Text												
4	The System should be microprocessor controlled, compact and mobile offering excellent Image details	P	E	Yes											
5	Type of Mechanical Motion of C Arm	P	E	Motorized											
6	Horizontal movement Of C Arm in mm	P	N							≥ 200				mm	
7	Vertical Movement Of C Arm in mm	P	N							≥ 400				mm	
9	Rotation of C Arm in degrees	P	E	± 120 Degrees	± 180 Degrees				G					degree	
10	Radius of C arm in mm	P	E	650	700	750			G					mm	
11	Source to Image Distance in mm	P	N							≥ 900				mm	
12	Arc Orbital Movement of C Arm	P	E	At least 90° ± 30°										degree	
13	Total width of C Arm in mm	P	N							≥ 650				mm	



31	Type of Camera	P	E	CCD Camera with a progressive scan sensor of 2/3" of 1K x1K with square pixels should be provided.		CCD Camera with a progressive scan sensor of 2/3" of 2K x2K with square pixels should be provided.			G						
32	Acquisition of Camera			14 bits											
32	Fluoro / Radiography and Angio acquisition should be possible and play upto 30 frames/sec	A	E	Yes											
33	Resolution of Intensifier Unit	P	E	2 K x 2 K											
34	Contrast ration of Intensifier Unit	P	E	14 Bits											
34	Availability of monitor trolley with facility to rotate the image continuously.	A	E	Yes											
35	Sterile covers for C-Arm/X-Ray tube/ Image Intensifier	A	E	Yes											
36	Remote controlled collimator with rotatable parallel shutter	A	E	Yes											
37	Type of Pwer Supply	P	E	Single phase, 230 Vac, 50Hz	Three phase, 230 Vac, 50Hz				G						
38	Built in UPS to protect & save patient data	A	E	Yes											
39	The system should be ready to connect with HIS/ PACS, with facility for CD/ DVD writing and Image transfer through USB	A	E	Yes											
40	DICOM Compatibility	A	E	Yes											
40	No of Lead Aprons with all round protection	A	E	2	3	4	5		G						
41	No of Lead Aprons with front protection-	A	E	2	3	4	5		G						



53	Hard Disc storage capacity	A	B	1 TB	2 TB	3 TB											
54	Automatic KV and mA technique selection and manual mode	A	E	Yes													
55	Image Vertical and horizontal reversal should be possible on the LH image after fluoroscopy	A	E	Yes													
57	The unit shall be capable of being operating continuously in ambient temperature of 0 -50 deg. C and relative humidity of 15-90%	A	E	Yes													
59	User/Technical/Maintenance manuals to be supplied in English	P	E	Yes													
60	Installation, Demonstration and training to be provided	P		Yes													
61	Zoom function available	A		2x	3 x	5x			G								
62	Two sets of sterile drape for the X-ray tube assembly, Image intensifier and C-arm and Page   37 clips to hold the drape on the c-arm should be provided	A		Yes													
65	The Principal Manufacturer Must Have Direct Presence In India For Direct Service Support	P	E	Yes													
66	Warranty in Years	P	E	3	4	5			G								
67	Comprehensive Maintenance Contract (CMC) offered after satisfactory completion of Warranty period	P	E	3	5	CMC Not offered			G								
72	Copies of all certifications and reports to be provided to buyer on demand at time of supplies	R	Ch	Yes													





Shahzad  
Asth. Director-II(Q/A)

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tbd : to be declared by vendor

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DIRECTOR -QA



