



Notice Inviting e-Tender

West Bengal Medical Services Corporation Limited
Swasthya Sathi
GN-29, Salt Lake, Sector-V
Kolkata-700091

Phone No (033) 40340307/20

E mail: procurement@wbmsc.gov.in

Supply and Commissioning of different types of Medical Equipment at Medical College and Hospital of the Govt. of West Bengal

(Submission of Bid through *online*)

Bid Reference No.: WBMSCL/NIT-215/2018

Dated-12.10.2018

Amendment-II

REVISED TECHNICAL SPECIFICATION

800 mA X-RAY :

Parameter/Feature	Threshold Limit/Range
Generator	
POWER OUTPUT	65 KW
mA Range	50 - 800
Output frequency	100 KHz or more
Radiographic parameter	
KVp range	(40-120) or more
Exposure time (sec)	(0.01-3) or more
Fluoroscopic parameter	
KV range	(40-120) or more
mA	(0.5 - 3) or more
mA high level Fluoro	(1 to 5) or more
Pulsed Fluoro in mA	(1 -20) or more
X- Ray Tube	
Dual focus rotating anode tube in nos	2
Small focal spot value (mm)	0.6 × 0.6

Large focal spot value (mm)	1.2 × 1.2
mAs in .6 Sec	300 or more
Rotating Anode speed in RPM	2700 or more
Anode heat storage capacity in KHU	300 or more
X-Ray table (Motorized)	
Table tilt	(-)12 degree trendelenberg to + 90 degree
Bucky Tray with grid accommodating cassette of size in inch	14X17
IITV	
Image intensifier	9 inch (Triple field- 4.5 inch, 6.0 inch, 9.0 inch)
Camera	CCD
High resolution camera with pixel of	1 K x 1 K or more
Trolley based High resolution Flat Medical Grade monitor (TFT/ LCD) size in inch	19 or more
No. of Medical Grade Monitor	2
Memory system	
Permanent image storage capacity in 1 K * 1 K	10000 or More
Image Rotation in degree	360
MUST HAVE SPECIFICATIONS	
Parameter / Feature	Yes / No
Technique selection	
Both 3 point(KV, mA, Time) or 2 point(KV, mAs)techniques	
TUBE STAND	
Floor to ceiling with counterbalanced tube head	
360 degree rotatable	
Camera	
High resolution CCD Camera	
Image zoom function with horizontal and vertical pan	
Image mirror function	
Remote control facility	
IITV	
Fluoroscopic spot film exposure for 15x12 inch and 12x10 inch size film	
Standard and safety certification	
AERB Type approval	
BIS certification / European CE / US FDA	
ESSENTIAL ACCESSORIES	
Should support for G.I. radiological studies	

Leg support for HSG	
Foot switch for fluoroscopy and radiographic acquisition	
Vertical Bucky stand with moving grid	
Whether X-ray films are proprietary or Company specific	

ACCESSORIES

LEAD JACKET-6 NOS	
THROID GUARD-5 NOS	
LEAD HANGER-02 NOS	
LEAD GOGGLES-2 NOS	