



Notice Inviting e-Tender

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

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Supply and Commissioning of Medical Equipment for katwa SDH, Purba Bardhaman
(Submission of Bid through *online*)

2nd call of Bid Reference No.: WBMSCL/NIT-129/2023; dated-15.03.2023

Bid Reference No.: WBMSCL/NIT-193/2023

Dated-24.04.2023

Amendment-I

Schedule-I

Revised Technical Specification

C-Arm machine

A	Mobile surgical image intensifier system with counter balanced C-arm for fluoroscopic and General work
B	X-Ray Generator and X-ray tube (specify the name of manufacturer)
1	X-ray generator should be of high frequency (3.5 KW or more) technology (specify the name of manufacturer)
2	Fluoroscopy Mode 40-110 KV or more with last image hold 0.2 mA to 7mA for high contrast mode
3	Cassette exposures up to 60mA / flat panel detector should also be possible
4	System should have provision for Automatic Dose Rate Control.

	5	X-ray tube should be Dual focal spot type. Specify the make, model and name of manufacturer
C	C-arm	
	1	Orbital movement 120° or more (-30° to + 90°)
	2	Angulation ±180° or more
	3	Horizontal movement 20 cm or more
	4	C-arm depth 60 cm or more
	5	Swivel range ±12° or more
	6	Motorized Vertical movement 40 cm or more
	7	Tube to II distance 85 cm or more
	8	Radiation indicators
D	X-ray image intensifier Specify the make, model and name of manufacturer	
	1	Size at least 9 inch (Specify the name of manufacturer)
	2	Company should be able to demonstrate complete IITV / Flat panel detector Chain image resolution of minimum 12 lp/Cm with appropriate tools
	3	Image rotation facility
	4	Unit should be provided with Cassette holder
	5	It should be possible to storage minimum 4 images thru control console. A separate image management system with PC/Laptop should be provided by the company to store images in 200 GB or more HDD with post processing, with storage/retrieve facility on a CD/Pen drive.
	6	It should have a CMOS / CCD sensor based camera of latest technology with 1k x 1k matrix. Specify the make, model and name of manufacturer.
E	Image Viewing	
	1	19" or more duel LCD monitors of medical grade mounted in a trolley. Specify the make, model and name of manufacturer
	2	Please specify the make and relevant details like brightness, resolution, etc.
	3	Image storage 1,00,000 or more
F	Accessories	
	1	Sterile cover
	2	0.5 mm Lead aprons 12 nos, thyroid guard – 12 nos., Lead Hanger stand – 2 nos. , Lead goggles – 12 nos.
G	Standards, safety, and training	
	1	Should have the ISO certification and the copy of the same should be enclosed along with the technical bid.
	2	Training should be provider for user and biomedical engineers
	3	Unit should have type approval certificate from AERB
	4	Should have USFDA/ European CE (4 digit notified body)/ BIS approved.
H	Documentation	

	1	User/Technical/Maintenance manual to be supplied in English
	2	Certificate of calibration and inspection from factory