

## Notice Inviting e-Tender

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Procurement of Various Medical Equipment for Medical College and Hospitals

(Submission of Bid through *online*)

Bid Reference No.: WBMSCL /NIT-219/2018

Dated –12.10.2018

The following amendments have been made in the tender document. The changes are highlighted in yellow in the document below,

Amendment (Revised Technical specifications for C-ARM only)

### Schedule - I

#### C-ARM

PARAMETER / FEATURE	THRESHOLD LIMIT / RANGE
<b>IITV SYSTEM</b>	
IITV SYSTEM - IMAGE INTENSIFIER	12"(TRIPLE FIELD) 25 MM
IITV SYSTEM - CENTRE RESOLUTION	48 LP/CM AT 9.0 FIELD OR MORE
<b>CCD CAMERA</b>	
CCD CAMERA APERTURE	1/2"
CAPABLE OF CAPTURING IMAGE AT	0.3 LUX
CCD CAMERA RESOLUTION	MINIMUM 1K X 1K
<b>MONITOR</b>	
SIZE OF MEDICAL GRADE LCD MONITORS (1K X 1K)	19" OR MORE

NO OF MONITOR	2
MONITOR TROLLY WITH SELVES	1
<b>C-ARM STAND</b>	
C ARM STAND MOVEMENTS - HORONTAL TRAVEL (MM)	200 OR MORE
C ARM STAND MOVEMENTS - PANNING MIOVEMENT IN DEGREES	± 10 OR MORE
C ARM STAND MOVEMENTS - ORBITAL MOVENT IN DEGREES	115 OR MORE
FOCUS TO I.I DISTANCE (MM)	900 OR MORE
VERTICAL MOVEMNT MOTORISE/OIL FREE (MM)	400 OR MORE
FOCUS TO I.I CLEARANCE (MM)	730 OR MORE
C ARM ROTATION IN DEGREES	± 180 OR MORE
<b>GENERATOR</b>	
GENERATOR - HIGH FREQUENCY WITH OUTPUT IN KW	10 KW OR MORE
FREQUENCY IN KHZ	40-100 OR MORE
GENERATOR IN KV	40 - 110 OR MORE
<b>FLUROSCOPY</b>	
FLUOROSCOPIC (mA)	(0.4-3.0) mA OR MORE
RADIOGRAPHIC RANGE (mA)	(40-100) mA OR MORE
PULSED FLURO MODE WITH FACILITY TO SELECT TIME INTERVAL BETWEEN PULSES	FROM 1 S- 8S OR MORE
<b>X-RAY TUBE FOCUS</b>	
SMALL (MM)	0.6 X 0.6 OR MORE
<b>TUBE HEAT STORAGE CAPACITY</b>	
ROTATING ANODE TUBE HEAT STORAGE CAPACITY (KHU)	300 OR MORE
<b>IMAGE MEMORY</b>	
IMAGE MEMORY	100000 IMAGES (1K X 1K)
PERMANENT IMAGE STORAGE CAPACITY(IMAGE)	500 OR MORE
<b>MUST HAVE SPECIFICATION</b>	
PARAMETER / FRATURE	YES / NO
CCD CAMERA WITH HIGH RESOLUTION OPTICAL PATH	

ADR IN FLUORO MODE	
MOBILE TROLLEY WITH MODULAR WITH HEIGHT ADJUSTMENT THROUGH ACTUATOR	
<b>VERTICAL TRAVEL RECTANGULAR TELESCOPIC CARRIAGE</b>	
ZOOM IN/ OUT FACILITY	
DATA RECORDING FACILITY	
GENERATOR - MICROPROCESSOR CONTROLLED DIGITAL SYSTEM WITH DISPLAY	
FLUOROSCOPY MODES - BOOST FLUOROSCOPY MODE / HIGH DEFINITION FLUOROSCOPY	
DIGITAL FLUOSCOPIC TIMER INCORPORATED WITH AUTO CUT OFF AFTER 300 S	
AUTO DOSE RATE CONTROL IN FLUOROSCOPY MODE BY WHICH mA AND KV CAN BE SET AUTOMATICALLY AS PER ORGAN THICKNESS	
MANUAL KV SELECTION WITH AVAILABLE DURING FLUOROSCOPY	
DIGITAL IMAGE PROCESSING AND MEMORY SYSTEM WITH PC OR USB DRIVE	
DICOM COMPATIBLE SYSTEM	
<b>ACCESSORIES</b>	
<b>LEAD JACKET-12 NOS.</b>	
<b>LEAD GOGLES-04 NOS.</b>	
<b>THYROID GUARD-12 NOS.</b>	
<b>LEAD HANGER-02 NOS.</b>	
<b>ONLINE UPS OF APPROPRIATE CAPACITY FOR ENTIRE SYSTEM WITH MINIMUM 10 MINUTES BACKUP.</b>	
<b>Electrical Safety and Quality Certification</b>	
STANDARD & SAFETY CERTIFICATION (EUROPEAN CE & US	

FDA APPROVED)	
AERB TYPE APPROVAL CERTIFICATE	