ALL INDIA INSTITUTE OF MEDICAL SCIENCES,

STORE SECTION (DO), 1ST FLOOR, ANIMAL HOUSE,

ANSARI NAGAR, NEW DELHI-110 029, INDIA

TENDERENQUIRY DOCUMENT

(Two Bid System for Machinery & Equipments)

Advertised Tender Enquiry No.: XX-89/SO(DO)/Uro./26-27/M&E

Brief Description of Goods : Purchase of Flat Panel C-Arm X-ray – 02 Nos.

SECTION-I

ALL INDIA INSTITUTE OF MEDICAL SCIENCES
ANSARI NAGAR, NEW DELHI-110 029

TENDER ENQUIRY DOCUMENTS (TED)

Advertised Tender Enquiry No : **XX-89/SO(DO)/Uro./2026-27/M&E**

On behalf of Director, AIIMS, Ansari Nagar, New Delhi-110 029, online bids are invited in two bid system (Techno-Commercial Bid and Financial Bid) from reputed, eligible and qualified firms/manufacturer for supply of following Goods:

S. No.	Brief Description of Goods	Quantity	Amount of Bid Security/EMD (in Rs.)
1.	Purchase of Flat Panel C-Arm X-ray	02 Nos.	INR Rs. 12,00,000/-

CRITICAL DATE SHEET

Published Date & Time	*07-10-2026* at 04.00 pm
Bid Document Download/Sale Start Date	*07-10-2026* at 04.00 pm
Seek Clarification Start Date	*07-10-2026* at 04.00 pm
Seek Clarification End Date	*14-10-2026* at 04.00 pm
Pre Bid Meeting	*23-10-2026* at 04.00 pm
Pre Bid Meeting Place & Address	*Department of Urology, Room no. 5030, 5th floor, Teaching Block, AIIMS New Delhi.*
Bid Submission Start Date & Time	*02-11-2026* at 04.00 pm
Bid Submission End Date & Time	*16-11-2026* (Monday) at 03.00 pm
Bid Opening Date & Time	*17-11-2026* (Tuesday) at 03.00 pm

Instructions:

1 Bids shall be submitted online only at CPPP website:
https://eprocure.gov.in/eprocure/app

2. The Bidder shall download the Tender Enquiry Document directly from the websites https://eprocure.gov.in/eprocure/app and shall not tamper/modify it including downloaded Price Bid template in any manner. In case if the same is found to be tempered/modified in any manner, Tender/Bid will be summarily rejected and EMD would be forfeited.

3. The complete bidding process is online. Bidders should be possession of valid Digital Signature Certificate (DSC) of class III for online submission of bids. Prior to bidding DSC need to be registered on the website mentioned above.

4. Bidders are advised to follow the instructions provided in the "Instructions for Online Bid Submission" in Para No. 11 of GIB of Tender Enquiry Document.

5. Bidders are advised to visit this website regularly to keep themselves updated, for any changes/ modifications in the Tender Enquiry Document.

6.Intending bidder are advised to visit CPPP website https://eprocure.gov.in/eprocure/app regularly till closing date of submission of bid, for any corrigendum.

7. The documents to be submitted in their bid may be scanned with 100 dpi with black and white option which helps in fast uploading.

8. The EMD/Bid Security shall be deposited through Bank Guarantee/Demand Draft/FDR drawn in favour of the **AIIMS Main Grant.** The original Earnest Money/Bid Security must be delivered to **Sr. Stores Officer, Store Section (DO), Ist floor, Animal House Building (Near Bio-technology Building) AIIMS, New Delhi-110029** till bid opening date and time as mentioned in "Critical Date Sheet" failing which the bid shall be summarily rejected.

Section – VII
TECHNICAL SPECIFICATION AND GENERAL POINTS

Technical specifications for flat panel C-arm X-ray – 2 (Two) unit

The system should have the following essential features:

1. State-of-the-Art, Compact, Easily Transportable Flat panel detector, motorized, Mobile C-Arm X-ray Unit.
2. Generator and X-ray Tube:
   a. Generator should be high frequency type, with power output of 25 KW or more with the following modes:
      1. Continuous Fluoroscopy
      2. Pulsed Fluoroscopy.
      3. Digital Radiography mode.
   b. The range of KV should be minimum 40 KV or lower; maximum 120 KV or higher for each mode.
   c. Each mode should be 60 mA or more
   d. The Generator should be capable of providing Pulse Fluoroscopy with Pulse rates up to 15 frames/sec or more.
   e. Foot switch for fluoroscopic control should be provided
   f. Automated dose regulation and manual mode of fluoroscopy should be available
   g. X-ray tube should have a:
      1. Dual focal spot through rotating anode with lower focus at 0.3mm and higher at 0.6mm
      2. Focal spot of nominal value suitable for Fluoroscopy and Radiography.
      3. Nominal X-ray tube voltage 120KV.
      4. Additional safety filters must be inbuilt into the tube
      5. Automatic Dose Control.
      6. Heat storage capacity should be 300 KHU or more. Minimum of 10 minutes of continuous fluoroscopy should be possible.
      7. Thermal protection device should be available
   h. Collimator unit: Shutters/Diaphragm for radiation free collimation
3. C-Arm:
   a. Fully counterbalanced & motorized C-Arm movement with integrated cables, electromagnetic brakes, laser positioning system & automatic position control presets facility
   b. Should have:
      i. Angulation movement minimum range +/- 180
      ii. Orbital movement minimum range +90 / - 25
      iii. Vertical movement minimum 45 cm
      iv. Longitudinal movement minimum 20 cm
      v. Swivel/wig-wag range up to +/- 10
      vi. Source to detector distance 97 cm or more
      vii. Minimum of 76 cm free space within the C- Arc to provide a large imaging space.
      viii. The C-Arm depth should be 72 cm or deeper to provide a large imaging space and C-Arm clearance around the patient and the imaging table.
4. Flat panel detector
   a. Flat panel detector with sizes of 20 x 20 cm or more
   b. Minimum resolution should be at least 1 lp/mm
   c. It should have at least 1Kx1Kpixels
   d. Image rotation and top/bottom and left/ right reversal should be possible
   e. System integrated laser targeting is essential
5. Image viewing
   a. Two LCD monitors of 19" size or more (medical grade) mounted on a trolley should be provided.
   b. The display system should have a minimum brightness of 330cd/m2
   c. Last image hold facility should be available
   d. Cine image acquisition and long cine loop visualization in real time should be available

through either control console or separate add-on image viewing system
e. System should have a hard disc drive storage capacity of 10000 images or more with post-processing facility
f. Storage and transfer facility to CD or pen drive should be available.
g. Alphanumeric keyboard/touchscreen for entering patient data and for image annotation etc.

6. Image Documentation:
   a. The unit should be DICOM ready for networking to the hospital network & any PC and PACS.
   b. Should be possible to archive images on CD R / W DICOM 3format.
   c. Should have one thermal printer and supplied with 10 compatible thermal paper rolls.
   d. Should have fluoroscopic video recording system and have facility to transfer data to CD or pendrive in standard file format like jpeg/tiff or avi/mp4 or other similar formats
7. Essential Accessories:
   a. Zero Lead Aprons (light weight):10
   b. Gonadal shield :10
   c. Thyroid shield :10
   d. OT table side radiation curtains to reduce radiation scatter with hook hangers, length 20 inch (±10%), width 6 inch (±10%): 8
   e. OT table side radiation curtains to reduce radiation scatter with hook hangers, length 12 inch (±10%), width 6 inch (±10%): 8
   f. Integrated dose measuring chamber displaying the dose at the end of the study must be available.
   g. Flat panel disposable plastic sterile covers: 100
   h. Fit over Radiation Shielding eyeglasses: 10 with following features:
      i. Should be light-weight
      ii. Provide very high x-ray protection
      iii. Comfortable, easy to wear over regular spectacles
      iv. Frame should be constructed of durable non-breakable light weight material
      v. Should offer radiation protection of 0.75 mm of Lead equivalent or more
      vi. 0.35 mm lead Lateral protection
      vii. Frame should be CE certified/BIS approved
8. Compatible UPS electrical back-up for 15 min or more for full system
9. Other features:
   a. Quoted equipment should meet USA FDA / European CE / equivalent BIS approval standards.
   b. The system offered should have AERB type approval / NOC for installation and use in India.
   c. All information in the tender document must be supported by original product data sheets. Computer generated data sheet shall not be accepted.
   d. All information asked for must be provided in the compliance statement under the headings given above.
   e. Supplier must ensure the availability of 'expertise service' and maintenance in New Delhi. Spare parts and repair for the next 10 years must be ensured.
   f. Application Specialist should be available for on-site training x10days
   g. DICOM format image transfer facility to remote workstation for image review/ archive.
10. Installation:
    a. Installation, including networking, shall be free of cost and shall be the responsibility of the supplier. All accessories like cables, ports and spares etc as necessary for complete, smooth and breakdown-free functioning of the entire system shall be the responsibility of the supplier.
11. After installation warranty:
    a. After installation, 2 year warranty + 3 years comprehensive CAMC onsite warranty of the

equipment, inclusive of all parts/components including X-ray tube, batteries of UPS, should be provided by the Principals, with free updation with newer software technology, as and when evolved. The supplier shall separately quote annual CMC rates for years 6-10 (inclusive all parts as above) in continuity after the warranty period with year wise break up.

b. In case of a fault/non-functioning of machine, it must be restored to full functionality within 72 hrs of information with an annual uptime of 95% i.e. downtime no greater than 18 days in a year. If the total downtime is expected to exceed 72 hrs on any one instance or more than 18 days in a year, the vendor must provide a replacement device of same type and functionality failing which penalty @0.05% of the total cost of the device will be levied for each day, or part thereof, of delay. Further, the warranty or CMC period will be extended by twice the number of days for which the device has been non-functional beyond the permissible downtime.

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