



TENDER NOTIFICATION

The Adichunchanagiri University invites **closed tenders** from eligible tenderers or bonafide licensed manufacturer or their authorised local supplier/dealer/distributor in the state of Karnataka for the procurement of C-Arm Equipment as per section I & II.

1	Name of the work	Supply of C-Arm to the Orthopaedics department of Adichunchanagiri Hospital and Research Centre, BG Nagara
2	Last date for tender submission	On or Before 15-03-2023 up to 05:00 PM

Sl. No.	Name of the Equipment / Instrument	Provisional Qty. (In No's)
1.	C-ARM Equipment	01

SECTION -I

Instruction to Tenderers

- The Tenderer shall send quotes in 2 bid formats (Technical and Financial bids sealed separately inside the main envelope for any or all list of items) on professional business letterheads. The inner and outer sealed cover must bear the following identification
 - Tender for[name of service | Contract]
 - Tender Reference No.....[insert number]
 - Address to "The Registrar, Adichunchanagiri University, B.G. Nagara -571448, Nagamangala (T), Mandya (D)"
 - The tenderer who prefers to submit the tender through Post can dispatch the same through Registered Post / Speed Post or Courier so as to reach the above address on or before the due date and time specified in the Tender Notice. Tenders received after the due date and time, for what so ever reasons will not be considered and the authority, ACU BG-Nagara will not be liable or responsible for the same.
- Tender Currency:** Prices shall be quoted in Indian Rupees Only
- AMC/CMC** is subject to the Adichunchanagiri University's norms.
- Warranty: 03 years required**



- **Amendment of Tender Documents:** At any time prior to the deadline for submission of tenders, the University may, for any reason, whether at its own initiative or otherwise, modify the tender documents by amendment. Adichunchanagiri University reserves all the rights to accept, reject, incorporate changes and re-tender without giving any reasons.
- **Documents Comprising the Tender:** Shall attach Brochure, Certification of the product, Bank/account details, PAN, GSTIN, Good Standing Certificate and 02 Years of ITR declaration inside the envelope and company contact details with email ID on the main envelope cover for further correspondence.
- **Tender Prices:** Prices indicated on the Price Schedule shall be entered separately I.e. the price of the goods, quoted (ex-works, ex-factory, ex-showroom, ex-warehouse, or off-the-shelf, as applicable), including all duties and sales and other taxes already paid or payable. Any Indian duties, sales and other taxes which will be payable on the goods if this Contract is awarded. Conditional tenders will not be considered.
- **Validity of the Bid:** 90 Days from the last date of submission of bid
- **Corrupt or Fraudulent practices:** The Adichunchanagiri University requires that the Tenderers, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy:
 1. will reject a proposal for award if it determines that the Tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;
 2. will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a university contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a University contract.
- **Process to be confidential:** Information relating to the examination, clarification, evaluation, and comparison of Tenders and recommendations for the award of a contract shall not be disclosed to Tenderers or any other persons not officially concerned with such process until the award to the successful Tenderer has been announced. Any effort by a Tenderer to influence the Employer's processing of Tenders or award decisions may result in the rejection of his Tender.
- **Clarification of Tenders:** To assist in the examination, evaluation, and comparison of Tenders, the Employer may, at his discretion, ask any Tenderer for clarification of his Tender, including breakdowns of unit rates. The request for clarification and the response shall be in writing or by cable, but no change in the price or substance of the Tender shall be sought, offered, or permitted except as required to confirm the correction of arithmetic errors discovered by the Employer in the evaluation of the tenders.
- **Delivery:** The successful BIDDER should commence the services as per tender document/Work or Purchase Order. For any queries/ assistance, please write to registrar@acu.edu.in or telephone to purchase section +91 -98458 35834

SECTION -II

TECHNICAL SPECIFICATIONS OF C-ARM WITH FLUOROSCOPY

System Specification:

Detector technology	Image intensifier (I.I.)
Field of view	23 cm (9")
Image resolution	1 K ²
Power Output	2.3 Kw
Orbital movement	130° (- 40° to + 90°)
Immersion depth	73 cm (28.7")
Free space	79 cm (31.1"), with fixed grid
Monitors	2 x 19" high bright ¹
Image storage	Yes

X-RAY Tube:

- Anode heat capacity of min 70,000 HU
- Cooling rate of min 45,000 HU/Min
- Should have dual focal spots of 0.6 mm and 1.0 mm or better.
- Uninterrupted fluoro time: Minimum of 20 minutes
- Motorized iris and motorized rotating blades with slot diaphragm

X RAY Generator:

- Frequency: more than 40 kHz
- Power output: 2.5 KW more
- KV range: 40-110 KV
- mA in radiography: 0.6 mA to 24 mA
- mA in fluoroscopy in normal mode: 12 mA or more
- Should have facility for continuous fluoroscopy and Pulse fluoroscopy.
- Minimum of 24f/s required in Continuous fluoroscopy mode
- Organ Programing should be available with minimum 5 dedicated applications.



C-ARM Geometry:

- Locks for stabilization at desired position

Range of movements:

- Motorized vertical movements 400mm or more
- Horizontal travel: 200mm or more
- Orbital movement: -400 to +900 (1300)
- Swing / panning movement: $\pm 11^\circ$ or more
- Source image distance: 980 mm or more
- Depth of C-Arm: 750 mm or more

Control Panel (Digital Work Station):

- Image intensification, Automatic brightness stabilizer
- Auto dose rate control, Collimation for radiography.
- Contrast enhancement, edge enhancement, zoom facility, Last image hold.
- Image rotation, vertical and horizontal reversal, and Positive/negative image inversion.
- Annotation, image comments, R/L marking, Image storage of 50,000 images or more
- Patient dose report - Integrated dose measuring chamber with automatic transfer of the accumulated dose into a radiation report
- Metal excluded dose control Feature - Automatic metal exclusion and optimized balance of image quality and dose.
- Laser marker with external attachment on Image Intensifier should be available

X-RAY Image Intensifier:

- Input diameter 9" with Triple field (9/6/4.5)
- DQE – 60% or more
- Digitization depth – 16 bits

Camera:

- 1K x1K resolution for high resolution image acquisition.
- Digital image rotation - Endless rotation in clockwise and counter clockwise.

Monitor Cart:

- LED/TFT Display -Minimum of 23' Medical Grade touch monitor



- Interface -USB interface for export of images
- High quality Thermal Printer

Additional Features:

The equipment should work on a Power supply of 220-240 Volts, 50-60 Hz, 15 amp.
System should be AERB Type approved.

Third Party Items Required for C Arm

Lead Aprons Wrap Around and should be CE approved	4 Nos
Lead Aprons Non Wrap Around and should be CE approved	4 Nos
Thyroid shield	4 Nos
Lead Eye Glasses and CE approved	4 Nos

**Head of Procurement
Adichunchanagiri University
B G Nagara -571448**

