

**GOVERNMENT OF ANDHRA PRADESH  
KURNOOL MEDICAL COLLEGE, KURNOOL, DISTRICT.**

Notification No.S1/6433/KMC/KNL/2024, Dt.18.10.2024.

**TENDER NOTIFICATION (EXTENSION DATES)**

Tenders are invited through offline mode (Physical applications) from the eligible firms to supply **Colour Doppler 2D Echo Cardiography Machine with Adult and Pediatric Probes in 01 No.** to the Dept. of Cardiology, Kurnool Medical College, Kurnool. The concerned firms may download the application form from District websites: [www.kurnoolmedicalcollege.ac.in](http://www.kurnoolmedicalcollege.ac.in) and [www.kurnool.ap.gov.in](http://www.kurnool.ap.gov.in). along with other guidelines. **The filled tenders forms along with Price & Technical qualities is to be submitted separately** to the O/o the Addl.DME/Principal, KMC, Kurnool in person/ By Registered post to reach by 05.00 P.M on 28.10.2024. Tenders received after 28.10.2024 will not be accepted under any circumstances.

The Tenderers are requested to visit the website regularly to keep themselves updated about the tender notification matters till the completion of the tender process. The website information is final. The tender is finalized by the Committee headed by the Joint Collector & District Additional Magistrate / Chairman District Purchase Committee, Kurnool.

**Specifications of Colour Doppler 2D Echo Cardiography Machine with Adult and Pediatric Probes issued by the I/c Professor and Head of the Department of Cardiology, KMC, Kurnool is herewith enclosed.**

**Required Certificates to be submit by the firms to this Office along with Tender form:**

- Each firm must pay application process fee of Rs.6,000/- (Non refundable) by way of Demand Draft in favour of THE PRINCIPAL, KMCDS,KURNOOL from any Nationalized Bank. Applications received without demand draft will be rejected.
- Firm License.
- PAN number (in the firm name only)
- Income Tax returns for the last 03 years.
- GST Registration number of the firm.
- Earnest Money Deposit not exceeding 3% (Three percent) of the value of the procurement should paid to the Principal, KMCDS, Kurnool through Demand Draft and the amount will not be returned to the successful bidder unless satisfactory certificate will be issue by the Professor and Head of the Department of Cardiology after installation of the equipment.

**Details of the Receiving Tender Form & time schedule of Tender forms to this office:**

- **Date of submission of Tender Forms from 21.10.2024 to 28.10.2024.**
- **Last date for receipt of Sealed Tenders forms 28.10.2024 up to 05.00 P.M.**
- **Opening Date of sealed Tenders 29.10.2024 (Tentatively) at 03.00 P.M. in the chambers of the Joint Collector /Addl. Dist. Magistrate / Chairman, District Purchase Committee, Kurnool along with committee members to finalize the Tenders process.**

*Kenoy*  
ADME/Principal,  
Kurnool Medical College,  
Kurnool.

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*21.10.2024*

**TENDER RESCHEDULE**  
**KURNOOL MEDICAL COLLEGE, KURNOOL**

Web Sites: [www.kurnoolmedicalcollege.ac.in](http://www.kurnoolmedicalcollege.ac.in) and [www.kurnool.ap.gov.in](http://www.kurnool.ap.gov.in)

**NOTICE INVITING TENDER (NIT)**

The Joint Collector & Addl. District Magistrate / Chairman, District Purchase Committee and the ADME/Principal, Kurnool Medical College, Kurnool/ Convener is inviting sealed tenders from interested firms / agencies for purchase of **Colour Doppler 2D Echo Cardiography Machine with Adult and Paediatric Probes in 01 No.** to supply to the Dept. of Cardiology, Kurnool Medical College, Kurnool.

Time schedule of Tender related events: -

Bid calling extension date	21.10.2024 to 28.10.2024.
Application closing date/ time	28.10.2024 up to 05.00 P.M.
Last dated for submission of application date / time	28.10.2024 up to 05.00 P.M.
Application opening date	29.10.2024 at 03.00 P.M.(Tentatively)
Application fee	Rs.6000/- (Non refundable)
Contact person	Asst.Director(Admn) -9440025574
Tender Notice Rc.No.	S1/6433/KMC/KNL/2024,Dt:18.10.2024

*K. Jayaraman*  
21.10.24  
ADME/Principal,  
Kurnool Medical College,  
Kurnool.

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**Note: Specifications of Colour Doppler 2D Echo Cardiography Machine with Adult and Pediatric Probes issued by the I/c. Professor and Head of the Department. of Cardiology, KMC, Kurnool is herewith enclosed.**

## SPECIFICATIONS

### FOR COLOUR DOPPLER 2D ECHO CARDIOGRAPHY MACHINE WITH ADULT, PEDIATRIC AND TEE PROBE.

1. The system must be latest generation technologically advanced Digital 2D Echocardiography system for Transthoracic adult, paediatrics and neonatal applications and 3D/4D TEE echo.
2. System must be offered with a minimum of 4 million digital processed channels. Technical data sheet should be enclosed in technical bid to support the number of channels on the systems. If not mentioned, please attach a letter from manufacturer along with the technical bid clearly stating the digital processed channels of the offered system.
3. System must be offered with a very high dynamic range of at least 280db to pick up subtle echoes. Dynamic range in DB must be clearly mentioned in the technical quote .System offered lesser than specified parameters will not be considered.
4. System must be offered with a minimum 21 inch High Resolution Flat Panel Medical Grade Display monitor with nearly infinite position adjustments.
5. System should have at least four Imaging universal active probe ports with electronic switching facility from keyboard without probe adapter.
6. Operating modes B-mode, M-mode, B/M Mode, Doppler Mode, and color flow, power Doppler, DCA/DPA, Contrast Imaging, B/Colour flow, PW Doppler, CW Doppler.
7. System should support broadband probes spanning a frequency of 1-22 MHz.
8. B Mode & B Colour simultaneous should be available side by side real time display of B-Mode & Colour flow. Digital Zoom facility for region of interest in real time and frozen images.
9. Image storage facility on in build hard disk or MOD/CD/DVD -RW facility should be available. In-built hard disk with minimum capacity of 500 GB. System should have extensive image management capability including thumb nail review, Cineloop editing etc.
10. Cineloop as well as CineScroll facility in B Mode with storage of 1500 or more images should be available. Cineloop frames should also be available for abdominal contrast applications.
11. System must be offered with Speckle Reduction Imaging: Image processing technique to remove speckles and clutter artifacts.
12. Advanced measurements & Calculation package for vascular and cardiac should be available.
13. System should be capable of scanning depth of 40cms. Scanning Depth Should be clearly mentioned in the technical quote, if not mentioned please attach a letter from manufacturer along with the technical bid clearly stating the scanning depth of 40cms in the offered system.

14. System must be offered with an 2D frame rate of at least 1900 frames/ second. Acquisition frame rate should be clearly mentioned in the technical quote, if not mentioned please attach a letter from manufacturer along with the technical bid clearly stating the frame rate of the offered system. Tissue Doppler Imaging should be min 230fps.
15. System must be offered with 8TGC Slide pot.
16. System should be offered with minimum 12 inch high resolution user interface touch panel and dual view facility. The user should be able to view the scanned image on the touch screen while the main display is tilted towards the patient.
17. System should have THI & should be able to work in combined mode of harmonic imaging and real time compound imaging to get excellent image quality. The System shall offer Tissue Harmonic Imaging in Power Doppler Imaging mode for improved sensitivity and specificity in differentiating blood / agent from tissue.
18. The system should have Contrast Harmonic Imaging and should have optimization settings to detect the contrast Agents. Please Specify other advanced Technologies to perform better Contrast Harmonic Imaging.
19. **2D Quantification Tools:**
  - a) Should provide region of interest analysis for contrast Imaging, tissue analysis and color Doppler.
  - b) Automated measurements of intima media thickness in carotids and other superficial vessels.
  - c) Automated global and segmental longitudinal strain measurements.
  - d) Strain quantification for measuring the myocardial velocity from Color Tissue Doppler(TDI) datasets and derive the displacement, strain and strain rate along user-defined M- Lines and overlay opening and closing of aortic and mitral valves on SQ curves to display Left Ventricle mechanical events.
  - e) The system should have tools to automatically draw region of interest based on the selected anatomical view and generates LV Ejection Fraction (EF) , END Systolic Volume (ESV) and End Diastolic Volume (EDV). It should also provide an in-depth report displaying areas, volumes and advanced parameters for LV systolic and diastolic function including : LV Ejection Fraction (EF) , Peak Ejection Rate (PER) , Peak Rapid Filling Rate (PRFR) and Atrial Filling Fraction (AFF).
20. **Cardiac Motion Quantification:**

The System should automatically draw a region of interest based on the selected anatomical view, providing an angle - independent analysis of regional myocardial - tissue velocity, displacement, strain and strain rate using the speckle -tracking technology.

It should generate measurements of the global and regional functions and reports them in a table, a 17 or 18 - segment bull's eye. It should additionally compute LV Ejection Fraction (EF), End Systolic Volume (ESV) and End Diastolic Volume (EDV).
21. Auto Strain LA & RV should be provided standard.

22. Automatic real time & frozen tracing of instantaneous peak velocity & instantaneous mean velocity (or frequency) should be available. Triplex Imaging should be standard on the system.

**23. SYSTEM MUST BE SUPPLIED WITH THE FOLLOWING TRANSDUCERS AS STANDARD:**

a) Phased array 1 -5 MHz ( $\pm 1$ MHz) broadband adult Echo Transducer Single Crystal /Pure Wave technology probe for 2D Echo - cardiology . Must have Tissue Harmonic Imaging , must attach original technical data sheet of transducer to specify the above technology used in the transducer.

b) 3-8 MHz ( $\pm$  MHz) Paediatric Echo Transducer for Paediatric and small adult Cardiology imaging. Must have Tissue Harmonic Imaging, must have smaller footprint than the adult echo transducer. Must attach original technical data sheet of transducer to specify the above technology used in the transducer.

c) Live 3D Adult TEE matrix /Pure Wave/Single crystal technology transducer with 2500 elements and 2 to 7 MHz ( $\pm 1$ MHz) operating frequency range, electronically rotatable array from 0 to 180 degrees, Electrocautery suppression with Speckle Reduction, harmonic imaging, M- mode, color M- mode, color flow, PW Doppler, CW Doppler. Must have smaller footprint than the adult echo transducer. Must attach original technical data sheet of transducer to specify the above technology used in the transducer.

**24. SYSTEM SHOULD BE SUPPLIED WITH THE FOLLOWING PERIPHERAL DEVICES:**

a) 2 KVA online UPS.

b) Thermal Printer.

**25. Mandatory Certifications :**

a) US FDA.

b) MII Class I or Class II Certificate.

c) ISO.

26. System must be offered with 3 years warranty which included main system with all probes including 3D TEE transducer. Comprehensive Maintenance Contract from 4<sup>th</sup> to 10<sup>th</sup> year should be quoted separately.

*benayana* 21.10.2011  
Add. Director of Medical Education,  
PRINCIPAL  
Kurnool Medical College, Kurnool

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## TERMS AND CONDITIONS

1. Tender shall be submitted exclusively offline (sealed cover) tender only. The Tenderer should drop the bids in tender box available at Kurnool Medical College, Kurnool bids submitted without the payment of bid fee will be liable for rejection. All documents related to technical & financial bid should be submit separately along with bid as per timelines given in the bid date sheet.
2. Tenderer should submit following documents.
  - a) Copy of the GST Certificate and Details of IT Returns- PAN & TIN copies (firm Name)
  - b) Tender box will be opened at 03.00 P.M on 29.10.2024(Tentatively) in the chamber of the Joint Collector / Addl.Dist. Magistrate / Chairman, District Purchase Committee, Kurnool and the committee will conduct evaluation on the same day .
  - c) The successful bidder has to supply the equipment along with the specifications within the stipulated time mention in the purchase order and the bidder if falls to supply as per the terms and conditions, then the Purchase order will be cancel and issue to the second bidder
  - d) Quality of Supplied Equipment throughout its life cycle period, timely supplies and prompt maintenance support during the warranty period without default are being given paramount importance. The Kurnool medical college will be dealing with the defaulters with firm hand, which may lead to blacklisting for a specified period in addition to levying penalties.
  - e) No claims shall be allowed against the district purchase committee in respect of interest on Earnest Money Deposit or on Security Deposit or late payments.
  - f) Delivery period” means the period applicable up to completion of supply, Installation and testing of the equipment and the training of the staff on the equipment, by the supplier at the Project site and accepted by the Department of Cardiology
  - g) The goods supplied under the contract shall be fully insured in Indian Rupees against the loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the manner specified in the special conditions of contract
  - h) The supplier is required to deliver the goods to the destinations specified in the contract and the cost thereof shall be included in the contract price
  - i) If the supplier fails to deliver any or all of the goods within the time period specified in the contract, the ADME/Principal, Kurnool Medical College, Kurnool shall, without prejudice to its other remedies under the value of the equipment, deduct from the contract price as liquidated damages, an amount as specified in the SCC (Special Condition of Contract) for the period of delay, until actual delivery or performance, up to a maximum deduction of **10%** of the total value of the equipment. Once the maximum is reached, may consider termination of the contract.  
To kindly permit to negotiate with the lowest quoted bidder in the tenders to encourage the competition among the perspective bidders participated in the tenders

*Kernow*  
21.10.24  
Add. Director of Medical Education  
PRINCIPAL

*Principals*  
Kurnool Medical College, Kurnool  
21/10

**Payment Method:** - Payment for goods and services shall be made in Indian Rupees as follows:

- 1) 60% of the contract value of the supply part after necessary deduction will be paid to the supplier on submission of copy of invoice with original Delivery Challan as proof of supply to destinations duly certified by the Head of the Institution.
- 2) 30% of payment will be paid on submission of original invoice with stock entries, delivery challan and Installation Certificates, warranty certificate, copy of insurance document duly attested by the consignee to Professor and HOD, Department of Cardiology, quality assurance certificate test certificate if required as per technical specification after completion of all the performance obligations.
- 3) The balance 10% will be paid after three months from the date of installation on submission of performance satisfactory report, obtained from the Head of the institute or concerned authorities.
- 4) In case any difficulty is experienced by the successful tenderer in obtaining three-month performance certificate from any of the User Institution after the installation of the equipment, the same shall be brought to the notice of the Tender Inviting Authority immediately in writing. In such event(s), if the Tender Inviting Authority is convinced, the reasons are beyond the control of the successful tenderer, the Tender Inviting Authority, in case of supply orders placed by it, shall release payments at its discretion. In such case the letter sent to the Tender Inviting Authority shall be submitted along with the invoices while claiming payment.

*Kewat*  
21.10.24.

Add. Director of Medical Education,  
PRINCIPAL  
Kurnool Medical College, Kurnool

*21/10/24*  
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TENDER APPLICATION  
Kurnool Medical College, Kurnool

Tender form of awarding for supply of **Colour Doppler 2D Echo Cardiography Machine with Adult and Paediatric Probes in 01 No.** to the Dept. of Cardiology, Kurnool Medical College, Kurnool :-

- 1) Name of the Tenderer or Name of the firm :
- 2) Address :
- 3) Cell No :
- 4) Other documents as per terms and conditions mentioned in the tender notice:

Signature of the Tenderer

DECLARATION

I/We do here by declare that I /We shall keep my/our offer open during validity period of contract in the event of my/our offer being accepted. I /we shall abide by the terms and conditions in Annexure of the tender and work orders and any other conditions that will be imposed upon shall execute the agreement in the prescribed from. Certified that the information furnished is true to my knowledge.

Signature of the Tenderer.

Note

- Tender schedule, Terms & Conditions and Equipment Specifications can obtain from online web Site [www.kurnool.ap.gov.in](http://www.kurnool.ap.gov.in). & [www.kurnoolmedicalcollege.ac.in](http://www.kurnoolmedicalcollege.ac.in)
- Only registration firms are eligible to participate in tendering.
- Should supply equipment as per the specifications enclosed.



AGREEMENT

CONTRACT FORM THIS AGREEMENT made the \_\_\_\_\_ day of \_\_\_\_\_ between \_\_\_\_\_ and ADME/Principal, Kurnool Medical College, Kurnool of \_\_\_\_\_ (Country of ADME/Principal, Kurnool Medical College, Kurnool ) (hereinafter "the ADME/Principal, Kurnool Medical College, Kurnool") of one part and \_\_\_\_\_ (Name of the Supplier) of \_\_\_\_\_ (City and Country of Supplier) (hereinafter "the Supplier") of the other part. WHEREAS the ADME/Principal, Kurnool Medical College, Kurnool is desirous that certain Goods and ancillary services should be provided by the supplier, viz, \_\_\_\_\_ (Brief description of Goods and Services) and has accepted a bid by the supply of Goods and services in the sum of \_\_\_\_\_ (Contract price in Words and Figures) (hereinafter "the Contract Price"). NOW THIC AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the conditions of Contract referred to;
2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.: (a) The Technical and Price bid of the Supplier (b) The approved Technical Specifications, (c) The General Conditions of Contract, (d) The Special Conditions of Contract, and (e) The ADME/Principal, Kurnool Medical College, Kurnool 's Notification of Award.
3. In consideration of the payments to be made by the ADME/Principal, Kurnool Medical College, Kurnool to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the ADME/Principal, Kurnool Medical College, Kurnool to provide the Goods and Services and to remedy defects therein in conformity in all respects with the provision of the Contract.
4. The ADME/Principal, Kurnool Medical College, Kurnool hereby covenants to pay the Supplier in consideration of the provision of the Goods and Services and the remedying of defects therein, the Contract price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.
5. Brief particulars of goods and services which shall be supplied/provided by the ADME/Principal, Kurnool Medical College, Kurnool.

SL NO.	BRIEF DESCRIPTION TO GOODS & SERVICES	QUANTITY	TO BE SUPPLIED	UNIT PRICE	DELIVERY TERMS