SAST/CLPC/ACU-AHRC/ 53 /2025-26 28-07-2025

TENDER NOTIFICATION

The Head, CLPC, Sri Adichunchanagiri Shikshana Trust invites closed tenders from eligible tenderers or bonafide licensed manufacturer (OEM) or their authorized local supplier/ dealer/ distributor in the state of Karnataka for the **Procurement of High End Ultrasound Equipment for Department of Radio-Diagnosis at Adichunchanagiri Hospital and Research Center, BG Nagara - 571448, Mandya (District)** as per section I & II.

01	Name of the work	Procurement of High End Ultrasound Equipment for Department of Radio-Diagnosis at Adichunchanagiri Hospital and Research Center, BG Nagara - 571448, Mandya (District)
02	Last Date for Tender Submission	On or before 14.08.2025 before 5.30 PM

Section-1

Instructions to Tenderers

1) The Tenderer shall submit the bids (Technical & Financial bids) through the mail id: **clpchead@bgscet.ac.in** on or before the last date of tender submission (for any or all list of items) on professional business letterheads only. The details to be printed on the letter head is as follows
   i) Tender for Procurement of High End Ultrasound Equipment for Department of Radio-Diagnosis at Adichunchanagiri Hospital and Research Center, BG Nagara - 571448, Mandya (District)
   ii) Tender Reference number.....[Insert Number]
   iii) Address to ""The HEAD, CLPC, Sri Adichunchanagiri Shikshana Trust, BGSCET Campus, Mahalakshmipuram, Bengaluru – 560086"
   iv) The tenderer shall submit the original documents to this office on the last day of submission for verification who prefers to submit the tender through Post can dispatch the same through Registered post / Speed post or Couriers 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, Head of CLPC will not be liable or responsible for the same.
2) **Tender Currency:** Prices shall be quoted in Indian Rupees only.
3) **AMC/CMC (IF ANY)** is subject to the Sri Adichunchanagiri shikshana trust's norms.
4) **Warranty:** 3 Years.
5) **Amendment of tender documents:** At any time prior to the deadline of submission of tenders the trust may, for no reason, whether as its own initiative or otherwise modify the

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tender documents by amendment. Sri Adichunchanagiri Shikshana Trust reserves all the rights to accept, reject, incorporate changes and re-tender without giving any reasons.

6) **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 the company contact details with email id on the in the below mention format in annexure - 1.
7) **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 the other taxes already paid or payable. Any Indian duties, sales and other taxes which will be payable on the goods if the contract is awarded. Conditional tenders will not be considered. The bidder has to give the quotation in the below enclosed format in annexure – 2.
8) **Validity of the Bid:** 90 days from the last date of submission of bid.
9) **Corrupt or Fraudulent practices:** Sri Adichunchanagiri Shikshana Trust requires that the tenderers, observe the highest standard of ethics during the procurement and execution of such contracts. In purchase of this policy:
   a) Will reject a proposal for award if it determines the tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;
   b) Will declare a firm ineligible, either indefinitely or for the stated period of time, to be awarded a university contract if it any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a trust contract.
10) **Process to be confidential:** Information relating to the examination, clarification, evaluation, and comparison of tenders and recommendations for the award of contract will 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 rejection of his tender.
11) **Clarification of Tenders:** To assist in the examination, evaluation, and comparison of tenders the employer may, at his discretion, ask and tenderer for clarification of his tender, including breakdowns of unit rates. The request for clarification and the response shall be 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 employers in the evaluation of the tenders.
12) **Delivery:** The successful BIDDER should commence the service as per the tender document/work or purchase order. For any queries or assistance, please write to clpchead@bgscet.ac.in or telephone to +91- 8123707324.
13) **Penalty Clause:** Non-execution of supply order – for the reasons of failure to supply partially or completely within the stipulated time or any event of breach of contract. In case at any following stages
   a) For the delayed supply (3 days of grace period) – 5% deduction
   b) Quantity issues – 5 % deduction
   c) Quality issues – 10% deduction

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Section-2

Technical Specification

SL. No	Particulars	Quantity
1.	High End Ultrasound Equipment	1 Nos

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Annexure – 1

PARTICULARS OF THE BIDDER

Sr. No	Description	Details (to be filled by the responder to the Bid)
1	Name of the company	
2	Official address	
3	Phone No. And Fax No.	
4	Corporate Headquarters Address	
5	Phone No. And Fax No.	
6	Web Site Address	
7	Details of Company's Registration (Please enclose copy of the company registration document)	
8	Name of Registration Authority	
9	Registration Number and Year of Registration	
10	ISO certifications and its validity	
11	GST registration No.	
12	Permanent Account Number (PAN)	
13	Company's Revenue for last 3 years (Year wise)	
14	Company's net worth for the last year	
15	Bank Details (Name, Account no., Branch, IFSC, MICR)	

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Annexure – 2

The Bidder has to quote the rate in the Item Data available online with this bid. Details to be filled up for price bid are as below:

The price shall be inclusive of all taxes (inclusive of GST) under the relevant Laws of India.

SL. No	Particular	Amount In Rs. (Inclusive of All the taxes)
1	Total Cost for the Procurement of High End Ultrasound Equipment for Department of Radio-Diagnosis at Adichunchanagiri Hospital and Research Center, BG Nagara - 571448, Mandya (District)	
Total in Rs and in words –		

Cost related to Supply and Installation as per Items mentioned in the Compliance sheet for technical proposal.

SL. No	Particulars	Total Quantity In nos.	Unit Rate in Rs	Total Cost in Rs.
1	High End Ultrasound Equipment	01		
			Total in Rs	
			GST @18% in Rs.	
			Grand Total Amount in Rs.	

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Technical Specifications for Ultra Sound Machine Doppler Equipment for ONE ULTRASOUND MACHINES	
TENDER TECHNICAL SPECIFICATION	**SUGGESTIONS FOR AMENDMENT**
System must be State- of- art latest model with super computed signal processing and clinically proven imaging technology for high better resolution. The machine should be given with both hardware and software which is latest, complete DICOM 3 Compatible, PACS connectable. NOTE-Below mentioned all the technical specification should be provided in an Excel format and each technical specification should be mentioned in a next column number and page number paragraph in the brochure, technical specification of that company under each heading given in the technical specification. Only by writing conformed and specified will not suffice the tender specification and will not be considered for the technical specification. One hard copy and a soft copy of the technical specification has to be given after E-Tender uploading.	
The system must be a premium machine and should be latest and state of the art with fully digital technology equipment to incorporate the facility of 2D, M-Mode, PW Doppler, CW Doppler, Power Doppler, bidirectional power angio, Contrast Imaging(CEUS), high PRF mode, real time strain & shear wave Elastography imaging, Real time 3-D(4-D), Imaging for abdomen, obstetrics & Gynaec with obstetric Nomogram, Peripheral vascular, adult trans-cranial & superficial parts imaging like breast, scrotum, thyroid, musculoskeletal prostate, pediatric and small parts.	
The system should be able to support at least 4 active and universal ports allowing any Transducer to be connected to any port	
System should have more than 43,00,000 digital processing channels. Please specify.	
System must be offered minimum 21.5 inches LED medical grade monitor for high contrast & high resolution with additional touch sensitive monitor minimum 10 inch or more with minimum contrast ratio of 1000:1 and 1280 x 1024 resolution or more.	
The system should have Digital TGC control	
Proven Keyboard control panel should have up down hydraulic height adjustment, swivel movement with single button for both height & swivel.	

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The system should have 256 grey shades (8 bits) or more.	
The broadband beam former should be capable of simultaneously processing ultrasound signals from 1 MHz to 22 MHz or more.	
System must be offered with frequency compounding facility.	
The system should have a fast boot up time of less than 150 seconds, when switched on from 'OFF' position, and less than 60 seconds from 'STANDBY' position.	
System must be offered with 2D, M-mode, color flow, pulsed wave Doppler, CW Doppler and Directional color power Doppler. All these must be standard. Power Doppler & directional color Doppler for perfusion study should be available for visualization of flow in small vessels without over flow and very sensitive for transient flow.	
System must be offered with speckle reduction imaging Image processing technique to remove speckle, and clutter artifacts	
System must be offered with dynamic range of at least 320 db to pick up subtle echoes.	
System should have Pan Zoom & Hi Zoom display magnification of minimum 8 times.	
The system should truly compound the image and steer upto 9 beams steered line of sight. The system should also speckle noise reduction, compounding, auto gain / optimization, trapezoid/virtual convex imaging, Panoramic imaging, dual imaging, dual/quad split display and edge enhancement feature.	
System must be offered with independently selectable gain control in latest position	
System should be capable of full needle visualization during biopsy and this feature to be offered as standard.	
System must be offered with acquisition frame rate of at least 3000 frames/sec. System must be offered with cine loop review facility.	
The system should have Contrast Harmonic Imaging and should have optimization settings to detect the Contrast Agents. System should be upgradable to other advanced Technologies to perform better Contrast Harmonic Imaging.	
Triplex Imaging should be standard on the system.	
System must be offered with single button control for automatic optimization and adjustment in 2D, Color Doppler and PW Doppler to achieve optimal uniformity of images and faster scan.	
Automatic/semiautomatic Fetal Biometry should be available and it is required for high patient throughput. All fetal calculations and reference nomogram to be included.	
System should be capable of scanning depth of 40cm or more.	

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Scanning Depth should be clearly mentioned in the technical quote. Please specify through data sheet.	
Dual mode showing simultaneous side by side real time display of B Mode & Colour flow should be available along with digital zoom facility for region of interest in real time and frozen images.	
System should allow us to take 10 pair distance measurement at a time on a frozen image. System should support Baseline Shift and angle correction in both real time and after freeze. System should be able to measure vessel area stenosis and diameter stenosis by different methods and must be user friendly.	
Storage – The system should have at least 1 TB system hard disk drive. Archive – should have facility to transfer images to PC, USB, DICOM, PACS, RIS, CD/DVD etc. and the in-built hard drive should store at least 10,000 images.	
DVD.RW+, RW, and R must support write and rewrite capabilities.	
System should be capable to transfer reports & clinical images to PC via network.	
Equipment to have optional upgradability 3D/4D imaging including virtual light source, with rendering, multi slice viewing, TDI, follicular assessment & mapping, and other advanced 3D/4D imaging features. Supported by original data sheet.	
In all probes 4 different frequency selection should be available.	
Cine loop as well as cine scroll facility in B mode with storage Max 10000 or more storage capacity. Technical data sheet should be enclosed in technical bid.	
System should be provided with an Image management software for professional reporting and image management functionality paired with advanced image review features.	
System should have built in Image Management Software, for offline application when patient has gone after examination, such as image Manipulation, Multi Planner reformatting, surface & volume rendering etc. All advanced post processing softwares to be included.	
Omni Directional M Mode with 3 Cursors both in real time & on frozen image in all the probes, with M Mode cursor rotation of Complete 360 Degree, system should have provision of getting M-mode image from the stored B-mode image.	
System should be upgradeable to allow user to take 3D image using routine convex probe and Free hand 3D should be	

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available in both Convex probe	
The real time shear wave elastography mode should be there and be capable of performing:	
i) Real time 2D Shear Wave / point shear wave tissue elastography imaging should be available preferably on all probes. System should have both Shear and Strain elastography.	
ii) The Shear wave elastography should be real time and fully automatic; requiring no manual / automatic compression with reproducible results in KPa or m/s for Liver, Breast, Thyroid, Renal, prostate, MSK, Obstetric, Gynecology and other applications.	
iii) System should be able to generate a color coded real time shearwave elastogram with a reference Adjustable Numerical elasticity scale for all the applications.	
iv) System should be able to display simultaneously both color coded Shear wave elastogram and corresponding B-Mode image in real time.	
v) There should be User adjustable elasticity-box size with a Display Depth of 0 - 12cm	
vi) Shearwave Elastography Quantification tool should be able to provide multiple elasticity values of the tissues inside the ROI both in m/s and kPA (KiloPascal) on all transducers.	
vii) System should have integrated report worksheet for Liver elasticity assessment.	
viii) The system should have qualitative evaluation of relative tissue stiffness of focal changes in tissue compared to surrounding tissue with enhanced border definition using ARFI / equivalent in both convex / linear transducers.	
ix) The system should permit the display of a color-coded tissue stiffness map as well as shear wave velocity measurements.	
x) The system should recognize tissue strain analysis solutions, providing a single image presentation of both qualitative and quantitative assessment of tissue stiffness.	
xi) Endo-cavitatory transducer probe should support reusable	

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biopsy guide.	
xii) Real time Shearwave elastography package should be FDA approved	
xii)The system should have state-of-the-art features for improving the resolution in images, reducing artefacts and improved signal / noise ratio. The user should be able to adjust the SWE box size, compare 2 ROI`s, draw a freeform ROI and should be able to place the quantification box on single or multiple images for average calculations of mean, median, SD and IQR values.	
The system should have the capability of displaying continuous B-mode, Color Doppler mode and SWE in a real time triplex mode.	
Advanced directional color Doppler to pick the difficult & small vessels without blooming artifacts.	
System should have 3D like hemodynamics visualization in 2D Colour Doppler Imaging for better delineation of vessel lumen and abnormalities.	
System should have BIRADS breast lesion classification tool.	
Power Consumption of the machine should not be more than 800VA	
The successful tenderers have to impart on-site training to Doctors on the operation and preventive maintenance of the equipment at the time of installation and anytime during warranty period if demanded by the User Institution to the satisfaction of the Tender Inviting Authority and User Institution.	
All probes should have tissue harmonic imaging.	
Thermal printer 1 no	
Gel warmer to be included.	
Should have safety certificate from competent authority ISO, "European CE" & "FDA (US)". Copy of certificate /test report shall be produced along with technical bid.	
The system should have a full suite of OB measurements and fetal growth charts , Nomograms.	
1. The system should have CD-DVD and USB archival (DICOM and PC format) facility & also should be able to	

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retrieve images from DVD/CD.	
2. The system should be DICOM 3.0 (or higher version) ready (like send, receive, print, record on CD / DVD, acknowledge etc.) for connectivity to any network, PC / computer etc. in DICOM format and should have options of DICOM modality worklist, Query and retrieve, Compression, and export to media.	
3. The system shall support DICOM back-up & export to external media.	
4. The system should have facility of direct storage and retrieval of B / W and color images (both frozen and cine loops) in the in-built hard disk drive. Inbuilt hard disk of minimum of 512GB or more. The device should store images in DICOM, JPG, WMV and AVI formats for maximum flexibility.	
5. System shall have image & data management features that store images by patient and include the ability to review /retrieve images & data from different exam dates, and also be able to display the data for trends/comparison in a single graph format.	
6. System shall support the ability to store digital data in complete Raw Form, that allows to optimize imaging parameters such as B Gain, Dynamic Range, Speckle Reduction levels, Doppler Gain, Doppler Base Line on old Images & old loops recalled from the image archive.	
7. Unit should have a four Castor design with central braking system or equivalent system.	
8. The system software shall be networked by the vendor for connecting with PACS & HIS server at the Institute for post processing and review of the images at work stations in various locations.	
TRANSDUCERS: Following 5 transducers should be mandatorily offered with the system: Transducers provided must have a latest crystal technology and must support elastography. Should support strain & shear wave elastography preferably on all probes. **1. Curved array transducer: 1 - 6 MHz +/-2MHz.** **2. Curved array transducer: 2-10 MHz +/-2MHz (Fetal probe).** **3. Matrix Linear array transducer: 2-12 MHz +/-2 MHz.** **4. Matrix Linear array transducer: 2-9 MHz +/-**	

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2MHz. 5. **Endocavity transducer 2- 12 MHz (preferably small head)**	
ACCESSORIES:	
One latest state of art Desktop PC with CPU to be provided along with black & white laser printer.	
Pre-installation requirements: nature, values, quality, Tolerance: 1. Availability of 5 amp socket. 2. Safety and operation check before hand over. 3. **Machine to be installed only when PCPNDT registration is obtained from health care facility. The supplier should get all the registration process of PCPNDT.**	
Requirements for sign-off: Certificate of calibration and inspection from the manufacturer	
Training of staff (medical paramedical, technicians):	1. Training of users on operation onsite and basic maintenance for two weeks. 2. Advanced maintenance task required shall be documented.
Warranty	Full warranty for 5 years and complete maintenance by company for another 5 years after sales inclusive of all spares and related materials supplied along with equipment. This includes all third party items also. (**main unit, all probes, UPS along with batteries and all accessories supplied with the unit). C.M.C. charges should be quoted separately in Indian rupees after the expiry of warranty (for all the items supplied)** Penalty clause for non-functioning of equipment in term of hardship to the patients and financial loss to institute. (As per institute norms) Uptime guarantee of 95% of 365

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	days in a year.
Maintenance tasks	CMC for 5 years 2 PM Visits Annually. All Breakdown calls to be attended within 24 hrs of registration.
A free comprehensive software upgradation guarantee for 10 years of the ultrasound unit must be provided.	

GENERAL INSTRUCTIONS TO VENDORS:
All information in the tender document must be supported in the product data sheet.
Compliance statement sheet must quote page number/s as it appears in the product data sheet enclosed by the vendor.
Supplier should be able to demonstrate its quoted model when and where required along with quality control programme for system performance.
Supplier must attach the list of installation in leading Diagnostics centers hospitals or in institutions inside India (at least 100).

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