



### 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 Ultrasound (USG) Machine and Peripheral nerve stimulator with Neuromuscular Monitor equipment's for the department of Anesthesiology at Adichunchanagiri Hospital and Research Center, BG Nagara, Mandya (District) - 571448.** as per section I & II.

01	Name of the work	Procurement of Ultrasound (USG) Machine and Peripheral nerve stimulator with Neuromuscular Monitor equipment's for the department of Anesthesiology at Adichunchanagiri Hospital and Research Center, BG Nagara, Mandya (District) - 571448.
02	Last Date for Tender Submission	On or before 14.02.2025 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 Ultrasound (USG) Machine and Peripheral nerve stimulator with Neuromuscular Monitor equipment's for the department of Anesthesiology at Adichunchanagiri Hospital and Research Center, BG Nagara, Mandya (District) - 571448.
  - ii) Tender Reference number.....[Insert Number]
  - iii) Address to "The HEAD, CLPC, Sri Adichunchanagiri Shikshana Trust, BGSCET Campus, Mahalakshampuram, 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:** As per the standards/ 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



- 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 [clpthead@bgscet.ac.in](mailto:clpthead@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

Section 2



Section - 2

**Technical Specification**

SL. No	Particulars	QTY	UOM	Total Cost in Rs.
1	Ultrasound (USG) Machine	1.00	Nos	

**Technical specification For High Performance AI based Point of Care Color Doppler Ultrasound Unit for ICU, Emergency, Trauma, OT and Pain Clinics**

A state of art fully digital, compact portable Color Doppler Ultrasound machine (weight <6.5 kg) is required with following technical features: -

Sl. No.	Technical Specifications
1	Should be top of the line and State of the Art fully digital compact portable ultrasound machine weighing less than 6.5 kg with provision for Doppler examinations
2	The unit should be compact, lightweight, full touch user interface with gesture recognition having multipurpose handle for probe, gel and adjustable rear support stand for use on flat surfaces.
3	Provided with high quality, compact stand with lockable wheels and should be having integrated three probe connectors from the same company
4	It should be suitable for abdominal, small parts, cardiac and vascular applications in both adults and pediatric patient.
5	Multiple preloaded as well as user configurable application presets should be available.
6	The system should have advanced measurement, manual and automatic for all applications.
7	System should offer Artificial Intelligence based Tools that includes Real-time EF, Auto VTI, Auto B-lines, Auto IVC, Nerve detection and Lung Diagram Tool. AI Enabled Auto Tools should include as below: - <ul style="list-style-type: none"> <li>• <b>Real-Time EF</b> is an AI*-enabled tool that continuously calculates real-time ejection fraction during live scanning in apical 4CH view.</li> <li>• <b>Auto VTI:</b> Calculates the velocity time integral (VTI), stroke volume, CO Flux and cardiac output in a single step. Like the other tools, it includes a quality indicator to assist with image acquisition.</li> <li>• <b>Auto B-Lines:</b> Highlights and counts B-lines in real-time. Hit freeze and system should display the frame with the highest B-line count.</li> <li>• <b>Auto-IVC:</b> Measures IVC collapsibility. IVC diameter changes (Collapsibility or</li> </ul>



	<p>distensibility index) are measured and displayed in real-time upon completion of each respiratory cycle.</p> <ul style="list-style-type: none"><li>• <b>Lung Tool:</b> See all ultrasound lung findings in one view. Keeps track of segmental lung assessment. This is helpful in showing trends in response to therapy.</li><li>• <b>C-Nerve Tool:</b> AI based automatic Nerve detections tool mainly for Brachial Plexus, Femoral and Sciatic.</li><li>• <b>VTI Trending:</b> to quickly visualize the trend and help and determine a next course of action in treatment.</li><li>• <b>eFAST diagram:</b> for scanning, one-tap allocation and quick review of images and findings belonging to different zones of the eFAST and FAST exam.</li><li>• <b>MSK Tool Kit:</b> Simplifies shoulder exam documentation and follow-up by fast-tracking image labeling and image storage. Also facilitates patient therapy response by giving you the whole picture over treatment time. With <b>reference image</b> provides anatomy markups to assist novice users in scanning the correct anatomy.</li><li>• <b>Catheter to Vessel ratio:</b> supports in selecting appropriate size catheter based on vessel diameter.</li></ul>
8	Maximum scanning depth to be 30 cm or more.
9	The system should have simple user interface and a full screen mode to get a full screen view of the scanned area.
10	System should support transducer technologies like phased array, convex, linear, TEE etc.
11	All transducers should be lightweight digital, broadband and phased array in cardiac type transducers.
12	Provision for three transducer connectors having inter-switch ability between the transducers on the system without the need of manual disconnection
13	The system should an integrated high resolution TFT / LCD of 15 inches (flicker free images) or more touch interface to support thorough cleaning for effective infection control.
14	Should be supplied with three transducers (one each): <ul style="list-style-type: none"><li>• Broadband Phased array cardiology transducer: 1-4 (+/-1)MHz for cardiac imaging.</li><li>• Convex array transducer: 2-6 (+/-1)MHz for abdominal imaging.</li><li>• High Frequency Linear transducer with buttons: 5-12 (+/-1)MHz for vascular and small part imaging.</li></ul>
15	The system should have a frame rate of at least 600 frames per seconds (fps) in B mode and more than 300 fps in Color mode.
16	System must be offered with Speckle Reduction Imaging: Image processing technique to



	remove speckles and clutter artifacts
17	The Systems should have cine loop review facility of not less than 60 sec/1000 frames.
18	System should have 120 GB or higher capacity internal HDD.
19	The system should have the facility of digital storage and retrieval of B/W and colour image data.
20	Provision for USB port and LAN transfer of data should also be present.
21	The system shall support the all DICOM functionality, Storage, Print, and Work List, also ready to connect to PACS.
22	Imaging modes of Real time 2D, Colour, Pulsed wave, Continuous Wave and Power (energy) Doppler , Anatomical M-Mode should be available.
23	Controls for 2D mode: Total gain, depth, TCG, dynamic range, acoustic power output.
24	Controls for Colour Doppler: PRF, colour gain, position and size of ROI, steering of ROI, colour maps and colour invert.
25	Controls for pushed Doppler: variable sample volume size from 1 to 5mm or more, steer, PRF, baseline, gain angle correction, spectral invert duplex on/off.
26	Measurements for 2D mode: Multiple distances, area and volume.
27	Measurement for Doppler modes: Stenosis quantification in area percentage, Diameter, PSV, EDV, means, PI, RI, acceleration time and index. Automatic and manual measurements and display of pulsed Doppler calculations should be possible.
28	Unit should function with 200-240 V, 50 Hz AC, 5-amp power outlet power requirement to be specified
29	In built battery backup with battery run-time indicator, should minimum 2 hr scanning time or more.
30	System should have both Triplex and Duplex display and a wide range of probes, increases system versatility and adaptability to our clinical needs.
31	System should be having Enhanced Needle Tracking software.
32	The unit should be both United States Food and Drug Administration (FDA) and Conformity Europeans (CE) approved.
	<b><u>Optional Transducer: -</u></b>
	Hockey Stick Linear transducer: 7-17 (+/-)MHz for vascular, small Nerve Block, MSK, Rheuma, ER (Pleural) part imaging for Pediatric and difficult cannulating patients.



**PNS WITH NEUROMUSCULAR MONITOR TECHNICAL SPECIFICATION**

- **STIMPOD NMS450X**

**Current Range**

Nerve Location: 0.0-5.0mA

Nerve Mapping: 0-20 mA

NMT Monitoring: 0-80 mA

**Load Impedance**

Nerve Location: 0-2KQ (100V)

Nerve Mapping: 0-20KQ (400V)

NMT Monitoring: 0-5KQ (400V)

**Stimulating Modes**

Train-of-four(TOF)

Double Burst (DB)

Post-Tetanic-Count (PTC)

Supra Maximal Current (SMC)

Tetanus (TET)

Twitch (1Hz, 2Hz, 5Hz)

Auto (Changes automatically depending On the depth of the block)

**Dimensions**

145mm\*90mm\*30mm

**Operating Temperature**

0-40 Celsius

**Storage Temperature**

10-40 Celsius


**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)	



**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 Ultrasound (USG) Machine and Peripheral nerve stimulator with Neuromuscular Monitor equipment's for the department of Anesthesiology at Adichunchanagiri Hospital and Research Center, BG Nagara, Mandya (District) - 571448.	
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	QTY	UOM	Total Cost in Rs.
1	Ultrasound (USG) Machine	01.00	Nos	
Total in Rs				
GST 18% in Rs.				
<b>Grand Total Amount in Rs.</b>				

*Handwritten signature and date: 4/2/25*