

SAST/CLPC/ACU-BGSMCH/ 226 /2025-26

Date: 24-12-2025

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 Equipment's for the department of Paediatrics at BGS MCH Hospital, Nagarur, Nelamangala.** as per section I & II.

01	Name of the work	Procurement of Equipment's for the department of Paediatrics at BGS MCH Hospital, Nagarur, Nelamangala.
02	Last Date for Tender Submission	On or before 12.01.2026 before 5.30 PM

Section-1**Instructions to Tenderers**

- 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
 - Tender for Procurement of Equipment's for the department of Paediatrics at BGS MCH Hospital, Nagarur, Nelamangala.
 - Tender Reference number.....[Insert Number]
 - Address to "The HEAD, CLPC, Sri Adichunchanagiri Shikshana Trust, BGSCET Campus, Mahalakshimpuram, Bengaluru - 560086"
 - 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.
- Tender Currency:** Prices shall be quoted in Indian Rupees only.
- AMC/CMC (IF ANY)** is subject to the Sri Adichunchanagiri shikshana trust's norms.
- Warranty:** 3 years.
- 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



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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



Section-2**Technical Specification**

SL NO	ITEMS	Qty	SPECIFICATIONS	Rate in Rs.	Total Amount in Rs.
1	Syringe pump	10	Low-flow accuracy ($\mu\text{L/hr}$ precision), infusion programs, anti-free-flow mechanisms, safety alarms, multiple channel options available; (3 mL, 5 mL).		
2	Infusion pump	5	Accurate volumetric delivery for continuous infusions; pediatric/neonatal low-flow accuracy; lockable settings, occlusion detection, multiple channel options (single/dual/quad), battery backup		
3	Ventilator	1	Designed for pediatric patients modes: SIMV, PSV, PRVC, PCV, AC, CPAP; tidal volumes 2–20 mL; accurate low-volume delivery; sensitive leak compensation; integrated humidification/filters optional; non-invasive and invasive interfaces; alarms and battery backup.		
4	MONITORS	4	Pediatric monitor with ECG (multi-lead), EEG, BP, SpO ₂ (pediatric sensor compatibility), temperature (skin/core), EtCO ₂ (micro sidestream/ mainstream options), respiratory rate trend, large display, trends and alarms, battery backup, connectivity (LAN/HL7)		
5	BUBBLE CPAP	2	Reliable bubble-CPAP generator, adjustable water column for CPAP pressure, humidified delivery (heated humidifier), low-resistance nasal interfaces for neonates, safety pressure release, bacterial/viral filters.		
6	HFNC	4	Flow up to 8–20 L/min (pediatric-specific lower flow ranges), heated humidification, accurate FiO ₂ blending, pediatric interface sizes, flow/FiO ₂ monitoring and alarms.		





7	COT	4	<p>High Side Rails: Essential for preventing falls, these are often collapsible/drop-down with secure locking mechanisms to provide easy access for caregivers while ensuring patient containment.</p> <p>Safe Slat Distance: For cots with slats, the distance between them must be no more than 2-3/8 inches (6 cm) to prevent a child's head from becoming trapped.</p> <p>Sturdy Construction: Typically made of mild steel or stainless steel, with a high weight capacity (often up to 240 kg or more, depending on the model).</p> <p>Non-Toxic Finish: All finishes and materials should be non-toxic and easy to clean.</p> <p>Adjustability and Functionality</p>		
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DM Neonatology

LIST OF EQUIPMENTS FOR NICU

Sl No	Name of Equipments	Qty	Specifications	Rate in Rs.	Total Amount in Rs.
1	ABG Machine with cartridges	1	1.Portable/bench-top; 6–12 parameter panel (pH, pCO ₂ , pO ₂ , Na, K, Ca, Cl, Hb, Hct optional); 2. cartridge-based or sensor-based reagents; analyzer QC, 2–5 minute run time; connectivity (LIS/LAN/USB); 3. built-in printer		
2	Defibrillator	1	1. Manual/monophasic or biphasic; energy range down to 1–2 J/kg with pediatric attenuator/pads; synchronized cardioversion; external pacing and monitoring functions optional; ECG display; rechargeable battery; pediatric pads and cable set		
3	EEG Machine with Neonatal leads	1	Minimum 16–32 channels optimized for neonatal montage; sampling rate \geq 500 Hz; neonatal electrodes and caps; EEG + video synchronization optional; digital storage and DICOM/EDF export; built-in review software		
4	ECG Machine with Nonatal Leads	1	3/12-lead ECG with neonatal lead sets; pediatric ECG templates and interpretation algorithm; battery operation; printout and digital export (PDF/DICOM)		
5	2D ECHO/ USG Machine with Color Doppler with Neonatal Probe	1	Small/portable cart with neonatal cardiac presets; high-frequency pediatric transducers (7–12 MHz) + phased array probe for		

			neonates; color Doppler, PW/CW Doppler; measurement and reporting package; DICOM connectivity		
6	Radiant warmer with T piece	7	Open-care warming system with servo-control based on skin probe; radiant head with adjustable height/tilt; integrated T-piece mount for resuscitation (Neonatal T-piece resuscitator compatibility); temperature monitoring, alarms, resuscitation tray.		
7	Infant incubator (closed care)	2	Isolette with double-wall acrylic hood, servo-controlled temp and humidity, oxygen-enriched environment capability, integrated scales (optional), noise and light reduction; access ports, bassinet mattress, alarms for temp/oxygen/door open; battery backup.		
8	Transport incubator with Ventilator	1	Specifications of Neonatal Transport Incubator 1. Incubator with air/skin mode heating, collapsible trolley with provision to keep re-fillable oxygen cylinder and battery. 2. Incubator with Double Wall Canopy, Front and Head End Access Doors with Access portholes and Tubing Access Ports. (2 access doors, 2 disposable infant restraint straps, 1 Iris port, 2 Quiet Touch port doors. 6 tubing ports) 3. Digital Displays of Air and Baby Skin Temperatures, set range 22.0° C - 38° C (71° F - 100° F) 4. Indicators for Mains and Battery Modes of Operation : 5. Indicator for Battery Power Capacity : Battery condition status 4 LED indication of battery charge and heater power condition 25-100%. Maintenance free, re-chargeable. Should support all functions together continuously for at least 2 hours 6. Examination Light. 7. Power mode Illuminates AC, DC, or external DC, AC and 12VDC Connectors. 8. Front mounted gas content display 9. Comprehensive Alarm System : Alarm indicators for High temp, Power fail, Sensor fault, Heater temp, Air flow, Low DC 10. 2D or 2E size tank mounts The tank mount permits mounting gas cylinders with a diameter of up to 4.5 in (11.6 cm) and up to 34 in (85 cm) in length 11. Should have O2 concentration range 21% to 58% minimum 12. Should have Noise level 99% of airborne particles greater than 0.5 micron diameter 15. Controller Displays : On/standby Illuminates when "On" 16. Storage temperature -40° C to 70° C ambient. 17. Trolley : Sturdy trolley, sturdy & shock absorbing Wheels. Space for		



			<p>accessories 18.Power : On mains 230V AC + 10%, 50 Hz + 3% 19.Should have Optional Features like Accessory shelf, IV pole, High Hood, Pressure Regulator and Flowmeter 20. In built pressure limited time cycled ventilator preferable. 21. The system should have European CE and/or US FDA approved. Manuals : Operator & Service manual should be provided. 22. Maintenance : Warranty (3 years) and CMC for 5 years after warranty. 23.Training of hospital engineers & staff. 24. Demonstration is compulsory. 25.Rates of consumables & accessories should be freezed for 8 years</p>		
9	Portable X ray Machine	1	<p>. Portable/Mobile Digital X-Ray Machine/Unit Technical Specifications - Mobile Digitalized Radiography (DR) System - 100-Ma - 5.0 KW Battery Powered (Generator Type) - High Imaging Resolution Unit for Medical Mobile Application - Kv Range: 40~110kv, 1.0kv increment - mA Range: 20~100mA, variable - mAs Range: 0.1~100mAs, 38selections - Console & Display: kV & mA & mAs/sec digital display Density (for human) digital display Prep. & Exposure LED Collimator lamp Switch APR Store Switch - X-ray Tube: Type: Fixed anode Focal spot size: 1.8mm Heat Storage: 30000J Cooling rate: 250W Inherent Filtration: 0.5mm Al Target angel: 15° - Collimator: Manual: PCM100 Lamp: 24V150watt, halogen lamp, built-in: 30sec. Timer (DC: 30sec) X-ray Field Size: 35cm * 35cm @ 65cm SID - Charge input: 100V – 240 VAC, 50/60Hz General Features - User-friendly operation and smooth movement - One-unit package with in-built</p>		

			battery/generator system - Durable with operational implication for different position and parts of the body. - Net weight not more than 150 kg.		
10	Portable USG with Neonatal ECHO probe	1	ANNEXURE-1		
11	Neonatal ventilator	2	Designed for pediatric/neonates down to 500 g; modes: SIMV, PSV, PRVC, PCV, AC, CPAP; tidal volumes 2–20 mL; accurate low-volume delivery; sensitive leak compensation; integrated humidification/filters optional; non-invasive and invasive interfaces; alarms and battery backup.		
12	Neonatal ventilator with HFOV	3	All conventional ventilator specs plus HFOV mode with adjustable mean airway pressure, amplitude, frequency (hertz), monitoring of MAP and tidal gas volume, appropriate circuit and safety interlocks.		
13	Bubble CPAP system (with humidifier)	4	Reliable bubble-CPAP generator, adjustable water column for CPAP pressure, humidified delivery (heated humidifier), low-resistance nasal interfaces for neonates, safety pressure release, bacterial/viral filters.		
14	HFNC (high-flow nasal cannula) device	4	Flow up to 8–20 L/min (neonatal-specific lower flow ranges), heated humidification, accurate FiO ₂ blending, neonatal interface sizes, flow/FiO ₂ monitoring and alarms.		
15	Multiparameter patient monitor (neonatal)	10	Neonatal-capable monitor with ECG (multi-lead), EEG, NIBP (neonatal algorithm), SpO ₂ (neonatal sensor compatibility), temperature (skin/core), EtCO ₂ (micro sidestream/mainstream options), respiratory rate trend, large display, trends and alarms, battery backup, connectivity (LAN/HL7)		
16	LED double surface Phototherapy Unit	7	ANNEXURE-2		
17	Portable pulse oximeter (neonatal)	5	Neonatal sensors (wrap/adhesive), motion tolerant algorithm, display of SpO ₂ and pulse rate, alarms, lightweight handheld or bedside compatible		
18	Syringe pumps (neonatal)	32	Low-flow accuracy (μ L/hr precision), neonatal infusion programs, anti-free-flow mechanisms, safety alarms, multiple channel options available; compatibility with neonatal syringes (1 mL, 3 mL, 5 mL).		





19	Volumetric infusion pumps	10	Accurate volumetric delivery for continuous infusions; pediatric/neonatal low-flow accuracy; lockable settings, occlusion detection, multiple channel options (single/dual/quad), battery backup		
20	T-piece resuscitator (stand alone)	3	T-piece device with PIP/PEEP adjustable (neonatal range), manometer with neonatal scale, compatible with flowmeter/oxygen source, lightweight and sterilizable components.		
21	Oxygen blender (air-O ₂)	11	Industrial or medical-grade blender with FiO ₂ range 21–100% in small increments; inlet pressure requirements; precise FiO ₂ readout; pediatric flow compatibility		
22	Transcutaneous bilirubinometer	2	reproducible readings, calibration standards, battery operation, memory and data export.		
23	Laminar Flow	1	Horizontal or vertical laminar flow cabinet; HEPA H14 filtration; clean bench certified; airflow velocity and noise specs; stainless steel work surface		
24	Apnea Monitor.	4	Dimensions: 150 x 80 x 30mm, Weight, 500 gms without adaptor, Power of 9 volts, Power adaptor 12V/1A batteries, consumption of 10 hours alarms : audible and visual alarms ability to set limits for tachypnea to mute the alarm, respiratory monitoring ability to monitor and display respiratory rate and includes counter for apnea episodes, sensor required non disposable respiratory probes that attaches to baby abdomen with features with integrated with other vital sign monitors, data login and battery back up for portability		

Annexure – 1

SPECIFICATION FOR PORTABLE ULTRASOUND CUM ECHO MACHINE

A. Specifications of Base Unit

A state of art fully digital, compact **Color Doppler Ultrasound** machine is required with the following technical features:

1. The supplied system should be a **new machine** and no parts should be refurbished.
2. Unit should be able to give very high image quality with advanced technologies like compound imaging for better contrast resolution, tissue differentiation, and edge detection.
3. The unit should be **compact, lightweight, and portable**. Weight should **not exceed 5 kg** including the battery but excluding cart and accessories. Mention the exact weight of the equipment along with the battery.



4. Imaging modes of **Real-time 2D, M mode, Color Doppler, Power Doppler, Pulsed Wave Doppler, and Continuous Wave Doppler** must be available.
5. System must have a **fast start-up** to scanning in less than **30 seconds from off condition**, for use in ICU and emergency conditions.
6. System should support transducer technologies like **Phased Array, Convex, and Linear** and should be **future upgradable** to support **TEE transducer**.
7. The system should have a **broadband architecture** with an operating frequency of at least **1 to 15 MHz**.
8. **Cine memory** of at least **250** should be available on all operating modes.
9. The system should have a **dynamic range of 165 decibels** or more.
10. The system should have a **maximum scanning depth of 30 cm** or more.
11. The system should provide a minimum of **6 generic digital callipers**.
12. The system must have **dedicated calculation packages** for cardiac, Vascular & Obs/Gyn measurements.
13. The system should have an integrated **high-resolution TFT / LCD of 12 inches or more** with the facility of **tilt and swivel** facility along with a convenient grip.
14. **Alphanumeric soft keys** backlit and **splash-proof** resistant keyboard with easy access scan controls, facility to sanitize the system keyboard to avoid cross-contamination.
15. System should possess "**Needle Visualization Software**" to track the needle clearly at steep angles during procedural guidance while maintaining striking image quality of the target structures and the surrounding anatomy with simple on/off functionality on both linear & curvilinear transducers.
16. The system must have the ability to function by **AC/DC or battery power** with the same degree of functionality. The inbuilt battery life (run time) shall be at least **120 minutes**.
17. The unit offered must be **sturdy** and should be able to withstand accidental hits and falls during transport.
18. The system must have **archive capability for storage & retrieval of images and clips**. It should have at least **2 USB 3.0 slots**, which allow for direct sharing of images (JPEG) and clips (AVI) to a PC.
19. The system must have **in-built memory of at least 16 GB** for storing Patient data & studies.
20. The system should be capable of supporting all **DICOM functionality** (Storage, Print, and Work List), and also shall be compatible to connect to **PACS**.
21. Detachable, imported, molded, OEM **Trolley/cart** to mount transducers and machine. The cart height should be **hydraulically adjustable** and the work surface should be adaptable from horizontal to vertical.
22. Unit should function with **200-240 V, 50 Hz AC, and 5 amp power outlets**. Power requirement to be specified.
23. When the machine is mounted on a trolley, a facility for connecting **three transducers simultaneously** with an easy selection of active transducers should be possible.
24. The vendor should agree to provide any kind of **future software updates** at no additional cost for a period of **10 years** from the date of installation.

B. Specifications of Transducers

S. No	Transducer	Functions	Number
1	2-5 MHz (\pm 1 MHz) multi-frequency	Abdomen	01
2	6-13 MHz (\pm 2 MHz) multi-frequency	Vascular, nerve imaging	01
3	1-5 MHz (\pm 1 MHz) multi-frequency	Abdomen, Cardiac	

Annexure-2**SPECIFICATION OF DOUBLE SURFACE LED PHOTOTHERAPY MACHINE**

Unit should have the facility of double surface phototherapy having over head part and bottom part.

Both part should have :

1. LED based phototherapy for newborns using LED sources in the range of 450-480 nm wavelength and having output intensity more than $30\mu\text{w}/\text{cm}^2$ /nm at 45 cm.
 2. Preferably should have a display showing the irradiance of the phototherapy unit, and be provided with optical probe to measure the irradiance.
 3. Light Source Life time : minimum 20,000 hrs.
 4. Should have effective surface area of 1500 cm^2 to adequately cover the babies.
 5. Should have audible noise $<60\text{ dB}$.
 6. Should have Electrical Leakage current : $<100\mu\text{A}$.
 7. Should have electrical input : AC 100-240V (50/60Hz)
 8. Should be able to sustain voltage fluctuation.
 9. Should have low power consumption.
 10. Should have display to show the total hours of treatment given by this unit.
 11. Should have an in-built timer to measure the device usage.
 12. Should be usable for bassinet, incubator, open bed or radiant warmers.
- Bottom part should have a transparent acrylic bassinet with dimension 75 cm X 50 cm.
- Bottom unit should be mobile with four swivel castors and atleast 02 castors with brake.
- Overhead part should have :
1. Height and angle adjustment and should be on mobile castors. (04) with brake in 02 castors.
 2. A continuous tilt up to 90 deg for use alongside infant warmers.
- Complete unit should comply with following (Safety Standards):-
1. The device should be designed to cool the unit without needing an in-built fan, else the fan life should be committed equal to lamp life.
 2. The device should have an in-built safety cut-off if the temperature increases.



3. Complete unit should conform to internationally accepted quality standards and should carry the certification of the applicable product quality standards US FDA and CE. The supporting document in this regard should be submitted along with the bid.

4. The manufacturer should be ISO 13485 certified (Certificate to be submitted) and product should be CE93/42 and US FDA approved. (Certificate to be submitted)

☐ Should have local service facility. The service provider should have the necessary equipment's recommended by the manufacturer to carry out preventive maintenance test as per guidelines provider in the service/maintenance manual.

☐ User/Technical/maintenance manuals to be supplied in English.

☐ Compliance Report to be submitted in a tabulated and point wise manner clear page/para number of original catalogue/datasheet. Any point/claim, if not substantiated with authenticated catalogue/manual, will not be considered.

☐ Demonstration of equipment in technical bid.

☐ Guarantee / Warrantee Period: The tenderers must quote for 05 years comprehensive warranty (Including all Spares, Accessories and Labour) from the date of completion of the satisfactory installation. The warranty charges shall not be quoted separately otherwise the offer shall be summarily rejected. Also the bidders are requested to submit their quote (Rates) for subsequent 05 years Comprehensive Maintenance Contract (CMC) (Including All Spares, Accessories and Labour). Failure to comply this condition will entail the rejection of the bids. The price comparison shall be taking into account on basic price and post warranty CMC.

☐ Accessories & Consumables: The separate price list of all accessories and consumables, if any, must be attached/ enclosed along with the Financial Bid.

☐ After Sales Service: In case of technical snag/failure/breakdown, the response time for Inspection should be within 24 Hour and repair within 05 days, otherwise provide a service machine until the period of recovery of breakdown of the unit. Failing which will attract penal action as per the decision of the University (Uptime guarantee of 95%).

☐ Uptime guarantee: The firm should provide uptime guarantee of 95%.

☐ Downtime penalty Clause:

a. During the comprehensive warranty period, the guarantee uptime of 95% of 365 days will



be ensured. In case the down time exceeds the 5% limit penalty of extension of guaranty period by two days for each additional day of down time will be enforced. The vendor must undertake to supply all spares for optimal upkeep of the equipment for at least FIVE YEARS after handling over the unit to the Institute.

b. The authorized service providers are required to submit a certificate that they have satisfactory service arrangements and fully trained staff available to support the uptime guarantee.

A handwritten signature in blue ink, appearing to be 'Haw-', is written over a horizontal line.

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 Equipment's for the department of Paediatrics at BGS MCH Hospital, Nagarur, Nelamangala.	
Total in Rs and in words –		



THE HEAD
CLPC, ACU
Mahalakshnipuram,
Bengaluru - 560 086.