



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 Pediatrics Ventilators and Adult Ventilators for the BGS MCH Hospital, Nagarur** as per section I & II.

01	Name of the work	Procurement of Pediatrics Ventilators and Adult Ventilators for the BGS MCH Hospital, Nagarur, Nelamangala
02	Last Date for Tender Submission	On or before 18.12.2024 before 5.30 PM

Section-1

Instructions to Tenderers

- 1) The Tenderer shall submit the bids (Technical & Financial bids) through the mail id: **clpthead@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 Paediatrics Ventilators and Adult Ventilators for the BGS MCH Hospital, Nagarur.
 - ii) Tender Reference number.....[Insert Number]
 - iii) Address to "The HEAD, CLPC, Sri Adichunchanagiri Shikshana Trust, BGSCET Campus, Mahalakshmpuram, 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
- 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:
- 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;
 - 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 or telephone to +91- 9448270489.
- 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
- For the delayed supply (3 days of grace period) - 5% deduction
 - Quantity issues - 5 % deduction
 - Quality issues - 10% deduction



Section-2

Technical Specification

SL. No	Particulars	Total Quantity in Nos.
1.	Paediatrics Ventilators	03 Nos.
2.	Adult Ventilators	02 Nos.

1. Paediatrics Ventilators

SPECIFICATION FOR INFANT & PAEDIATRIC VENTILATOR

- Should be capable of ventilating Adult, Paediatric, Neonatal cases.
- Should have a screen size of 12.1" or more with touch screen & encoder knob for user interface. The screen should be tiltable for easy viewing.
- Should have an air source free designed with built-in air-source which supports the full range of Tidal Volume and FiO₂.
- Should have all volume and pressure-based modes such as Pressure & Volume based: CMV/ACMV, SIMV, CPAP, Pressure Support, PRVC, PRVC-SIMV.
- Should have Bilevel/Bipap/Duo Pap modes of ventilation with APRV & ASV/AMV.
- High flow Oxygen Therapy for Adults & Paediatrics should be built in and standard supply.
- User Selectable apnoea backup ventilation should be available.
- Accurate patient data monitoring using Expiratory Flow Sensor Autoclavable for Adult & Paediatric Patients. The Expiratory Flow Sensor system should be heated for accurate BTPS Pressures and Volume.
- The Neonatal modes should be operable with a proximal hot film flow sensor for proximal data monitoring.
- Should have following range of parameters:

RR	-	1-150 bpm
Tidal Volume	-	2-2000 ml
Spont. Peak Flow	-	0-180 lpm
Exhalation Sensitivity	-	10-80% of PIF
P Support	-	0-100 cms H ₂ O
P Insp	-	2-100 cms H ₂ O
FiO ₂	-	21- 100%
PEEP	-	0-50 cms H ₂ O
Pressure Trigger	-	(-0.5) - (-20) cms H ₂ O
Flow Trigger	-	0.5 - 25 lpm / Neonates 0.1 to 5 lpm
- Should have Non-invasive Ventilation for Adults/ Paediatric Patients in all pressure modes.
- Should also have NCPAP for Neonates.
- Should have flow and pressure triggering and intelli cycle.
- Should have an inbuilt programmable nebuliser which is Flow compensated for Adult & Paediatrics.
- Breath type indication should be available.
- Should display FiO₂, P Peak, P Mean, P Peep, P Plateau, V_{te}, V_{ti}, Exp. Volume, Insp. Volume, RR, resistance, RSBI, C Stat.
- Should have manoeuvres for monitoring P_O.1, Auto Peep, NIF
- Should be able to display 3 waveforms & Loop display.
- Should have trend of more than 24 monitored parameters for 72 hrs
- Event Log should be available for at least 1000 events.
- Event Log should show the Settings & Alarms at the time of the event.
- Built-in Battery backup should be for at least 3 hours for ventilator and turbine.
- Prioritised and colour coded alarm system should be available.
- NIV should be possible in all Pressure Modes of Ventilation.
- Mask for NIV with harness should be supplied (3 sizes L, M, S).
- Automatic leak compensation upto 65 lpm should be available.
- Should display Volume, Pressure & Flow V/s Time Waveforms and P/V, P/F & F/V loops.



- Should be possible to display 3 waveforms & a loops simultaneously and also should be able to display 2 loops simultaneously. Loop freeze should be possible.
- It should also be possible to save atleast 4 reference loops: Recall of reference loop & Overlaying of loops over reference loop should be possible.
- Colour of displayed waveforms & Loops should be user selectable.
- Should have standby mode.
- Should have user defined Sigh functions.
- Settings, Graphics and important monitored parameter should be displayed simultaneously on the same 'screen Monitor parameters on this screen! should be user selectable.
- Should have PSols based gas delivery.
- Low Flow Oxygen input should be standard.
- Should be CE Marked.
- Should have low ownership cost.
- Should be supplied with 3 nos Expiratory flow sensors and Exhalation Diaphragms with each unit for Adult & Paediatric use (Autoclavable); and 3 nos. Reusable Proximal Flow Sensor for Neonatal use (Autoclavable).
- Heated Humidifier Base with Reusable Chamber should be supplied preferably F&P 950.
- Reusable Silicon Circuit for Adults Paediatrics and Neonates must be supplied.
- Nebuliser with disposable solo T-PIECE.

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2. Adults Ventilators

Technical Specifications

- A Facility to measure and display
- End tidal CO₂ with capnography.
 - 3 waves- Pressure and Time, Volume and Time and Flow and Time.
 - 3 loops- P-V, F-V, P-F with facility of saving of 3 Loops for reference.
 - Graphic display to have automatic scaling facility for waves
 - Status indicator for Ventilator mode, Battery life, patient data, alarm settings, clock etc
- B Automatic compliance & Leakage compensation for circuit and ET tube
- C Following settings for all age groups.
- Tidal Volume - upto 2000 mL
 - Pressure (insp)-
 - Pressure Ramp
 - Respiratory Rate- upto 100 breaths per minute
 - SIMV Respiratory Rate- upto 40 Breaths per minute
 - CPAP/PEEP- PEEP 50 cm H₂O
 - Pressure support
 - FIO₂
 - Pause Time
 - Pressure & Flow Trigger- PRESSURE TRIGGER 0-20 cm H₂O below PEEP; Trigger Flow 0-100%
 - Inspiratory rise time -0-20% of breath cycle time
 - I:E Ratio- 1:10 to 4:1
- D Monitoring of the following parameters
- Airway Pressure (Peak & Mean)
 - Tidal volume (Inspired & Expired)
 - Minute volume (Inspired and Expired)
 - Spontaneous Minute Volume
 - Total Frequency
 - FIO₂ dynamic
 - Intrinsic PEEP and PEEPi Volume
 - Plateau Pressure
 - Resistance & Compliance
 - Use selector Alarms for all measured & monitored parameters



- E Modes of ventilation
- Volume controlled
 - Pressure Controlled
 - Pressure Support
 - SIMV (Pressure Control and volume control) with pressure support
 - CPAP/PEEP
 - Inverse Ratio Ventilation
 - Advanced mode like pressure controlled volume guaranteed
 - Non Invasive ventilation
 - APRV
- F Apnea /backup ventilation
- G Expiratory block should be autoclavable and no routine calibration required
- H Should have the ability to calculate / Procedure
- Intrinsic Peep & Intrinsic PEEP Volume
 - Occlusion Pressure
 - Spontaneous Breathing trial
 - Facility to calculate lower and upper inflection point
- I Nebuliser with capability to deliver particle size of < 3 micron & to be used in both Off and On line
- J Medical Air Compressor.
- Imported stand alone Medical Air compressor
 - Snap fit with the Ventilator module to provide an oil free Medical air .
 - Peak output flow should be minimum 160 LPM.
 - Air quality should comply with ISO compressed air purity class.
 - Medical Air Compressor should automatically activate in the event of wall air supply loss.
 - Replacement of internal filters should be performed without removing the compressor
 - Should have washable air filter.
- K Technical Specifications for reusable face mask & nasal mask.
- Reusable face & nasal mask with textured dual flap silicone cushion flap for easy fit.
- Stability Selector for easy fit and angle.
- Ball & Socket headgear attachments.
- Should be autoclavable.
- L Battery back up for minimum 1 hour

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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)	



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 Paediatrics Ventilators and Adult Ventilators for the BGS MCH Hospital, Nagarur, Nelamangala	
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	Pediatrics Ventilators	03 Nos.		
2	Adult Ventilators	02 Nos.		
Total in Rs				
GST 18% in Rs.				
Grand Total Amount in Rs.				

**HEAD, CLPC
SRI ADICHUNCHANAGIRI
SHIKSHANA TRUST
BANGALORE - 560086**