



## 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 Respiratory Medicine at Adichunchanagiri Hospital and Research Center, BG nagara - 571448, Mandya** as per section I & II.

01	Name of the work	Procurement of Equipment's for the Department of Respiratory Medicine at Adichunchanagiri Hospital and Research Center, BG nagara - 571448, Mandya
02	Last Date for Tender Submission	On or before 07.03.2025 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 Equipment's for the Department of Respiratory Medicine at Adichunchanagiri Hospital and Research Center, BG nagara - 571448, Mandya
  - ii) Tender Reference number.....[Insert Number]
  - iii) Address to "The HEAD, CLPC, Sri Adichunchanagiri Shikshana Trust, BGSCET Campus, Mahalakshmiapuram, 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 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@bgsct.ac.in](mailto:clpthead@bgsct.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	Equipment's Name	Total Quantity in Nos
1.	Portable Bronchoscope with Light Source	1 Nos.
2.	Sleep Lab (Polysomnography)	1 Nos.
3.	Semi Rigid Thoracoscope	1 Nos.
4.	Allergy Test Kit	1 Nos.

### **1. Specifications for portable bronchoscope**

Equipment - Intubating fiber optic Bronchoscope

A. Intubation Fiberscope outer diameter 3.7mm to maximum 3.8mm

B. Portable light source LED Bright light / equivalent to 300W Xenon light source

C. Charging unit for LED light source if electricity operated light source not available

#### **A. Intubation Fiberscope outer diameter 3.7mm**

1. Compatible for minimum endotracheal tube size 4.5 mm to 6.5 mm internal diameter.
2. Working length minimum 60 cm
3. UP/down tip deflection should be 130/160 degree
4. 5cm length marking on fiberscope
5. Should have a 90-degree angle of view with zero degrees portable LED operated light source connection or compatible lightweight and portable electricity operated LED or Xenon light source with light cable from the same manufacture.
6. Should have an inbuilt suction port
7. Should have instrument working channel of at least 1.2 - 1.5mm to use flexible forceps or for oxygenation.
8. The scope should be able to connect through camera to monitor for visualization of image
9. Scope should have the following accessories



- a. Endotracheal tube holder
- b. Cleaning Brush
- c. Suction adapters
- d. Leakage tester.

## 2. Hardware and software Specifications for Sleep Lab.

### A. Hardware Specifications for Video-PSG-facility to record up to 58 channels.

#### 1. Should have following Channels:

EOG, EMG, Thermistor, Pressure transducer, Respiratory Effort-RIP Belts, Snoring, Body Position, CPAP pressure, Limb Movement detection, actimeter, SPO2, Pulse rate, End-tidal Capnography.

#### 2. The System should have:

- a. Amplifier / Unit must be compact, body wearable and light weight < 500g
  - b. Reference Channels - at least 32, possible to configure all reference channels for EEG, EOG, and EMG as per requirement.
  - c. Bipolar Channel - 6.
  - d. The system should be able to record Systolic and Diastolic BP either from PTT signal or from 3rd party standalone system offering NIBP measurement from non-inflating soft finger cuffs that can directly be interfaced with the machine.
  - e. Should have an additional feature of FFT Analysis of all EEG Waveforms and capability to record Heart Rate Variability.
- Should have adjustable low and high pass filters to have clear



- view of EEG, should have sampling rate of 4 to 512 samples / sec. Should have an ECG Elimination filter for EEG. Also, should have facility of Brain mapping.
- f. Should have Integrated pulse Oximeter, body position sensor, light sensor and body movement detection sensor,
  - g. Should have on screen impedance check & self-calibration.
  - h. Should have adjustable gain and notch filters.
  - i. Should have fully compressed raw data stored on all channels.
  - j. Easy interface with CPAP machines of various make should be possible, with ease in PAP titration. There should be provision for automatic calculation and display of apnea- hypopnea index as well as other parameters like desaturation index, live during recording of titration studies.
  - k. Should have synchronized digital video with camera and infrared source. Video camera with high audio quality without external microphone (best available commercially).
  - l. Should have provision for power backup for at least 12 hours and UPS for camera & computer.
  - m. Ability for wireless transmission of PSG data from patient to the PC - means full mobility to the patient
  - n. The unit should have back up facility to store data on Flashcard and simultaneously wireless transmitted the data to the Base station / PC. Data Storage on high-Speed compact flashcard with up to 2 GB capacity or up to minimum of 50 hours of PSG recording time.
  - o. Should have continuous signal check on display or at the patient bedside



- p. The system should have the ability to work on battery so that there is no electrical interference coming to EEG signals.

### **B. Software Specifications:**

- a. Should have provision for Real Time Access to studies for analysis of data currently being recorded from the review/recording station.
- b. Should be interfaced to PM via interface for data acquisition.
- c. The system should be compact & modular in design and should have facility to upgrade it in future.
- d. Should have user definable Montage changes.
- e. Should have independent, Selectable time basis for upper & Lower portions of the screen enabling review of fast-moving traces like EEG in one half and slower Respiratory Waveforms on the other half, simultaneously.
- f. Should have sleep staging options for Adult and Paediatric populations, configured according to latest AASM 2017 criteria.
- g. Should have scoring comparison (quality control) feature which will allow comparison between scoring by different users including sleep stages, respiratory extent s and AHI, arousals and limb movements, with provision for calculation of percentage agreement between different reviewers / scorers,
- h. Should have capability to export and import the complete study in EDF Format, exe format, and reports can be exported to Excel and PDF Format.
- i. Software should have the capability to display and analyze respiratory events linking with arousals, periodic limb



movements and desaturations.

- j. Should have the capability for periodic limb movement display and analysis with linking of Individual limb movements with apnea/hypopnea and with arousals.
- k. Software for cyclic alternating pattern analysis should be made available.
- l. It should have an integrated display the detailed sleep apnea treatment steps for art modalities (CPAP, bi-level PAP (different modes), Adaptive servo ventilation and oxygen supplementation)
- m. Antivirus security should be made available.

### **C. Review/Analysis Station:**

- a. Highest Configuration Windows All in One Computer with latest generation Intel core i5 processor Camera:
- b. The system should be provided with High end HD camera which can be synchronized with the raw data and audio recordings. Play back at different frame speeds (1 -100 times).
- c. It should have good recording in dark also (infrared).
- d. Camera should be controlled directly via Software with IR capability and be supportable on a portable
- e. Sturdy tripod/stand along with facility to be wall mount or ceiling mounts.
- f. Should have Integrated IR illumination, Integrated microphone speaker, Integrated BT-receiver, Incl. video recording software, Video streaming, Resolution: 1280\*960 pixels

### **D. Treatment facilities to be supplied with the system:**



- a. Multimodality titration equipment (enabled to titrate CPAP, Bi-level, and ASV)
- b. Capability to remotely control PAP treatment parameters live, from the review station, without entering patients' cubicles.
- c. Multiple types of masks of different sizes pediatric and adult.
- d. The suitable rating UPS to be provided for uninterrupted recording for 1-2 hrs for both raw data and video

**E. Consumables to be supplied with instruments**

- a. Gold cup electrodes-4 sets of 32 electrodes in each Sensors—two sets of following sensors
  - i. Thermistor.
  - ii. Pressure Transducer.
  - iii. RIP Belts- 2 sets for each of the following: Adult & Paediatrics.
  - iv. Pulse oximeter.

**3. Specifications for Semirigid thoracoscope:**

1	Should have following features:	
	<ul style="list-style-type: none"> <li>• Slimmer, Semi-rigid type, lighter and possessing good image quality</li> <li>• Compatible with electro-surgical and laser treatments</li> <li>• Fully immersible in disinfectant solution and autoclave ability</li> <li>• Distal tip should be bendable in Up/Down direction for better vision in pleural cavity</li> </ul>	
	Outer Diameter	7.0 mm or less
	Angulation range	Up 160 deg & Dn 130 deg
	Field of view	120 degree or more
	Depth of field	3 mm or less
	Working length	270 mm





## 4. Allergy Test Kit

Specifications for the Allergy Test Kit:

1. Type of Test Kit:
  - Combination of skin prick test kit and laboratory blood test kit (IgE-based).
2. Key Features Required:
  - Ability to test for common respiratory allergens such as dust mites, pollen, molds, pet dander, and certain foods.
  - Include at least 20-30 allergens commonly found in the local environment.
  - High sensitivity and specificity to ensure diagnostic accuracy.
3. Components Included:
  - Skin Prick Test Kit:
    - Lancets for skin testing (at least 50 pieces).
    - Allergen extracts for testing (minimum 20 allergens).
    - Sterile saline and control solutions.
    - Alcohol swabs and adhesive patches.
  - Blood Test Kit:
    - Sample collection tools (e.g., capillary tubes or syringes).
    - Allergen-specific IgE testing capability for laboratory analysis.
4. Brand/Quality Standards:
  - CE-certified or ISO-approved kits to ensure safety and efficacy.
5. Usability:
  - Simple to operate for medical staff with training provided, if required.
  - Includes a comprehensive manual and usage guide.
6. Supplier Support:
  - Warranty for manufacturing defects.
  - Availability of allergen extract refills for ongoing testing.



## **Annexure – 1**

### **PARTICULARS OF THE BIDDER**

<b>Sr. No</b>	<b>Description</b>	<b>Details (to be filled by the responder to the Bid)</b>
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 Respiratory Medicine at Adichunchanagiri Hospital and Research Center, BG nagara - 571448, Mandya	
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	Portable Bronchoscope with Light Source	1 Nos.		
2	Sleep Lab (Polysomnography)	1 Nos.		
3	Semi Rigid Thoracoscope	1 Nos.		
4	Allergy Test Kit	1 Nos.		
Total in Rs				
GST 18% in Rs.				
<b>Grand Total Amount in Rs.</b>				