



SAST/CLPC/ACU-AHRC/344/2025-26

Date: 24-03-2026

TENDER NOTIFICATION

The Head, CLPC, Sri Adichunchanagiri Shikshana Trust invites closed tenders from eligible tenderers or bonafide licensed manufacturers (OEM) or their authorized local supplier/ dealer/ distributor in the state of Karnataka for the **Procurement of Automatic ETO Sterilizer Machine foe CSSD department for AHRC, BG Nagara-571448.** as per section I & II.

01	Name of the work	Procurement of Automatic ETO Sterilizer Machine foe CSSD department for AHRC, BG Nagara-571448.
02	Last Date for Tender Submission	On or before 01.04.2026 before 5.30 PM (Tender Submission to clpcheadtender@bgscet.ac.in is Mandatory)

Section-1

Instructions to Tenderers

- 1) The Tenderer shall submit the bids (Technical & Financial bids) through the mail id: **clpcheadtender@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 Automatic ETO Sterilizer Machine foe CSSD department for AHRC, BG Nagara-571448.
 - 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:** 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 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	Description	UoM	Qty	Unit Price Rs.	Total Amount in Rs
1	ETO Machine	Nos	1		
Total Amount in Rs.					
GST%					
INR in Rupees					

A. SOFTWARE

1. Machine should be fully Automatic & one touch operation with PLC
2. Fully automatic ETO Sterilizer designed with embedded software that automatically controls and independently monitors the physical process parameters to ensure sterilization conditions maintained throughout the sterilization cycle.
3. Software where cycle parameters can be programmed as per actual requirement of the load or can be pre-programmed with a fixed cycle should be provided
4. Inbuilt software with facility for downloading data of sterilization cycle / batch number / date /time / pressure and temp on time coordinate using USB.
5. Sterilizer should be UPGRADABLE to any new version of software

B. CAPACITY

1. Sterilizer should be on a free standing rack with a Capacity of Chamber Volume should be within the range of 450 - 500 liters (Rectangular shape with approximate dimension of 2Ft x 2ft x 4.5 Ft. (H x W x L)
2. The entire machinery should be housed inside a single cabinet.

C. CARTRIDGE

1. Machine should be operated single Use 100% EO gas cartridge only.
2. Sterilizer should be accommodate EPA certified Gas cartridges.
3. Sterilizer should have a automatic cartridge gas puncturing system under NEGATIVE PRESSURE (100m to 200m bars) ensuring operator safety.
4. The system should permit the use of third party cartridges. A list of compatible third party cartridge details must be provided.

D. CONSTRUCTION MATERIALS

1. The construction of the chamber, door and all contact parts should be made up of suitable material which is resistance to corrosion and ETO gas. It should be made up of SS of 304/316 / 316L grade or higher grade material.
2. Chamber wall should be double walled with smooth inner surface.
3. The chamber should be insulated against heat emission.

E. DOOR

1. Single Door : automatic operation with manual over ride facility and quick release locking arrangement
2. There should have safety interlocking arrangement for the door so that the sterilization process does not start unless the door is properly locked in position and during the programme run, it should not open unless the residual gas has completely



3. Safety interlocking to ensure start sterilization process only when door is locked in position and prevents door opening during sterilization process
4. Door locking sensor should be provided. Easy to operate door with added interlock safety preventing door opening before cycle completion.

F. VACCUM PUMP AND ESSENTIAL COMPONENTS

1. Suitable vaccum pump atleast 5 HP /ring water circulation pump atleast 2 HP feed water pump atleast 1 HP / gas trap to separate and evacuate gas should be inbuilt part of ETO sterilizer.
2. Noise proof and vibration proof vacuum pump to evacuate the air, gas and aerate the load. Vacuum level should be -850 mBar.
3. Suitable boiler atleast 9 Kw capacity with proper insulation should be inbuilt Part of ETO sterilizer.

G. STANDARDS

1. Machine should be BIS approved or USFDA or European CE or CE declaration of conformity or EN 285 certified. The ETO sterilizer OEM should have compliance to ISO standards (ISO 9001/ ISO 13485/ISO 14937:2009 / ISO 11135:2014). Certificate to be provided by Equipment manufacturer. The certificate should be from notified body registered with CDSCO / ICMED

H. TECHNICAL DATA

1. Operating Temperature of the sterilizer should be range from 35⁰ to 60⁰ C.
2. Chamber Gas concentration to be maintained as per norms 500 maximum upto 800 mg/ltr during gas exposure period for effective sterilization
3. Sterilizer should automatically enter into inbuilt Aeration Cycle after Sterilization is completed which should be indicated in the visual display provided in the equipment.
4. Sterilizer should have continuous monitoring Relative Humidity of through RH sensor.

I. PASSWORD, CALIBRATION, ALARM

1. Sterilizer should have password protected access to emergency aeration.
2. System should have In-built Calibration features available in the Equipment and a validation port to perform external calibration/ validation of the equipment.
3. There must be alarm in case of vacuum / air break could not achieve in desire time and also for high temperature.



J. CYCLE PROGRAMMES

1. One complete sterilization cycle should contain all the phases and it should be finished within 8-10 hours. All time-based parameters must be mentioned in printing.
2. Sterilizer should have controlled stages of sterilization process and have user friendly touch panel screen.
3. Sterilizer should have programmable degassing / aeration cycle.
4. There should be option for customized / Flexibility of settings for sterilization of medical equipments.

K. DISPLAY FACILITY

1. It should have minimum of 10" colour display touch screen for operation.
2. The display should show the various cycle parameters including the current time, the date, the batch no., the time remaining in the gas exposure phase, the time remaining in the aeration phase in alphanumeric form. In case of errors, an actual error description should be displayed.
3. The temperature, pressure and status (along with all alarms) of the cycle must display on HMI screen during sterilization process.
4. In case if the ETO cartridge does not puncture inside the ETO machine, then there should be an option for alarm and it should be displayed that "cartridge puncture failure".
5. There should be reminder for ETO cartridge and fill water (RO water) before the start of cycle.
6. The touch screen should have features like audit trail, alarm logging and multiple password.
7. Errors or faults messages should be displayed for easy diagnosis by the operator.

L. MEMORY AND PRINTING

1. Sterilizer should store minimum 100 previous sterilization cycles
2. Sterilizer should have minimum 2 Universal Serial Bus (USB) port and at least one Ethernet port
3. Sterilizer should be incorporated with Alpha – Numeric Graphical Thermal Printer with option of Graph / Table / Detailed cycle report preferences
4. Sterilizer should have an option to download the processed cycle data through USB port or on network.
5. Print facility to record and generate batch number /date pressure and temp on time coordinates / Time based parameters must be mentioned in printing.
6. The printer should be compatible with third party thermal paper roll.

M. SAFETY SYSTEMS

1. Sterilizer should have access to Supervisor / Operator Access Codes. Should perform Leak test automatically. "LEAK ALERT" sequence which performs a leak test automatically at the beginning of each stage, and if leakage



is found, it alerts the operator and aborts the cycle.

2. Auto - Abort facility should be provided to prevent the cycle from proceeding further in case of non -accomplishment of parameters.
3. Area Heat Radiation should not exceed 6,250 BTU/Hr
4. Automatic chamber evacuation cycle with subsequent venting before releasing the door lock for opening, thereby prohibiting exposure of the operating personnel by gas dissolving from the chamber walls during shut down period.

N. EXHAUST SYSTEM

1. Equipment exhaust system should have optional connectivity to ETO catalytic converter system for environment safety as an upgrade over the years
2. Sterilizer should have direct access to emergency aeration.
3. Sterilizer should have built in Exhaust hood and ensures faster Aeration.

O. WARRANTY AND CAMC

1. **Warranty:** The equipment should have 03 (Three) years of warranty. All services, breakdown calls, repairs, spares and consumables except ETO cartridge & thermal printer should be covered and to be provided free of cost during the warranty period. Yearly, two periodic maintenance services and unlimited breakdown calls should be provided during warranty period.
2. **CAMC:** The vendor should exercise 7 years CAMC after completing 3 years warranty period. All services, breakdown calls, repairs, spares and consumables except ETO cartridge & thermal printer should be covered and to be provided free of cost during the 7 years CAMC period. Yearly, two periodic maintenance services and unlimited breakdown calls should be provided during CAMC period.

P. INSTALLATION

1. The vendor has to undertake the supply, installation, testing, validation and commissioning of the ETO sterilizer.
2. The necessary civil, electrical and plumbing works if required for the installation of ETO machine has to be done by the vendor. The vendor may inspect the installation site prior to quoting the price.
3. All regulatory requirements (including the safe disposal of exhausted gas from the machine) for the safe installation of ETO sterilizer should be incorporated within the site. The EO gas aeration line should be installed with copper pipe and the distal end of copper pipe line should be extended at the top of the building.

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Q. TRAINING

1. Equipment shall be simple to use, operate and maintain. It shall be designed for easy access to serviceable parts.
2. Necessary operational training / day-to-day maintenance training shall be imparted to our staff after commissioning of the equipment at site.
3. User / Operator manual should be provided with the machine and training should be provided to staff if required during warranty CAMC.

R. ACCESSORIES

1. Microprocessor based dual channel wall mounted ETO Gas monitoring system with a LED display to show instantaneous gas concentration. It should be quoted with total 3 sensors.
2. Standard high quality personal protective equipment kit for operational staff to be provided.

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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	Procurement of Automatic ETO Sterilizer Machine for CSSD department for AHRC, BG Nagara-571448.	
Total in Rs and in words -		



**THE HEAD
CLPC, ACU
Mahalakshmpuram,
Bengaluru - 560 086.**