



KERALA HEALTH RESEARCH & WELFARE SOCIETY

(An Institution fully owned by the Government of Kerala)

Ref : **KERALA HEALTH RESEARCH AND WELFARE SOCIETY**

Regd .Office : TRIVANDRUM

A3-4646/23/KHRWS

26 .02.2024

E-TENDER NOTICE

Invitation of Fully automatic EO sterilizer Supply and Installation at Cath Lab medical college Thiruvananthapuram.

The Kerala Health Research and Welfare Society (KHRWS) invites e-Tender from competent dealers and manufacturers for the supply and installation of a fully automatic Ethylene Oxide sterilizer at KHRWS Cath Lab in Govt medical college Thiruvananthapuram.

SL NO	ITEM	QTY	ESTIMATE AMOUNT	TENDER COST	EMD
1	FULLY Automatic Ethylene Oxide Sterilizer	1 No's	16,00,000	3200+GST 18%	40000/-

SI No.	Particulars	Date and time
1.	Online tender submissionStart date	11:00 am, 27.03.2024
2.	Online tender submissionEnd Date	05.00 pm, 27.03.2024
3.	Date of online Bid Opening	11:00 am, 28.03.2024

Technical Specification

Specification

- Both Sterilisation & Aeration in the same chamber
- Chamber and trays are made of SS .304 grade which prevents corrosion.
- Sterilisation cycle parameters are programmable . Entire cycle can be taken with a 'single touch'
- Manual operation is possible in case of emergency breakdown of the Auto system.
- Sterilisation cycle modes –Warm & Cold cycle provided. Four cycles available.
- Programmable cycle modes –Leak test time,Humidification cycles, Gas exposure time,degassing cycles and aeration time can be programmed using password.
- In-built gas vaporizer.
- In-built leak check system.
- Standalone steam generator with temperature controller provider.
- Double latching arrangement for chamber door with safety interlock provided.
- Cycle operates in vacuum with minimum chances of leakage.
- Touch screen display and alpha numeric cycle print out.
- To ensure smooth, salient and trouble free operation and air motor vacuum pump is used for vacuuming as well as degassing the steriliser.
- System operates on a single dose 100% ETO Cartridge.
- Sterilisers have locking mechanisms to hold the EO Cartridge in place.
- Operating temperature can be programmable.
- Sterilisers have three heating zones.(Loading, middle and unloading)
- To avoid cold spots and maintain uniform temperature throughout the cycle. It has a temperature census in all zones to continuously monitor the temperature through the chamber.
- Steriliser operates on an automatic gas puncturing system under negative pressure ensuring operator safety.

- Steriliser will automatically enter into inbuilt aeration cycle after sterilization is completed which should be indicated in the visual display provided in the sterilizer.
- Sterilisers have an aeration cycle /program to extract residual gas out of the sterilizer objects after each sterilization cycle.

Features that enhances safety:


- The cycle continuously operates in vacuum (Negative pressure) relative to the room so gas can not escape into the sterilization work area and hence is very safe to operate. If a leak failure does occur in the chamber, room air will migrate into the chamber.
- The door is provided with an interlock and the cycle cannot be initiated unless the door is closed. Once a cycle is started, the door gets locked automatically and does not open till the aeratin process is complete.
- The sterilization cycle starts only when it ensures that the door is closed securely.
- The steriliser cycle starts only when it ensures that the door is closed securely.
- The steriliser aerates the load after sterilization and aeration is continued in the same chamber, thereby eliminating gas exposure to operators during load transfers.
- “ENVIRO-PRO” system- an additional safety feature- sucks air away from the operator when the door is opened.
- ‘Auto-Abort’, facility in care of any abnormal conditions.
- Unique “LEAKALERT” sequence which performs a leak test automatically at the beginning of each cycle, and if leakage is found , it alerts the operator and absorts the cycle.

- **BUY BACK OF OLD MACHINE**

The installation of the new machine will be on the same place of the existing machine and buy back terms may be incorporated in the proposal.


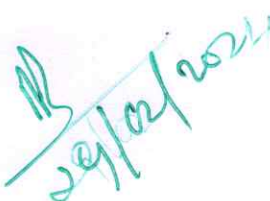
- **Before submitting the tender for the ETO at cath lab, the participating companies to visit the proposed site for setting up the new ETO at cath lab and check the requirement of civil, electrical , AC and other basic needs of the machine room/examination room, console room, UPS room, Bath room , patient pre cath waiting area etc. and tender estimation (Turnkey work) should be submitted before the tender submission.**

- Details whether the existing electrical systems can be used for the new ETO at cath lab and whether the new battery can be used for the UPS should be noted at the time of submission of the tender.


Managing Director
(Sd/-)

Approved for issue,

Finance Officer



29/02/2021