



KERALA HEALTH RESEARCH & WELFARE SOCIETY

(An Institution fully owned by the Government of Kerala)

Ref :

Date :

KERALA HEALTH RESEARCH AND WELFARE SOCIETY

Regd .Office : TRIVANDRUM

A3-4646/23/KHRWS

25.10.2024

RE-E -TENDER NOTICE

Invitation of Fully automatic ETO 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 ETO Sterilizer	1 No's	16,00,000	3200+GST 18%	40000/-

Technical Specification

Specification

- Fully automatic ETO Sterilizer designed with embedded software that automatically controls and independently monitors the physical process parameters to ensure sterilization conditions are maintained throughout the sterilization cycle .
- Sterilizer chamber and trays are made of SS 304 Grade.
- ETO Sterilizer should be 100% Ethylene Oxide Gas Sterilizer.

- Capacity of chamber volume should be around 130 liters to 450 liters.
- Sterilizer should have a 'Handle Free' controlled door to prevent door opening before cycle completion.
- System should operate on single dose, 100% ETO Cartridge.
- Sterilizer should have locking mechanism to hold the ETO Cartridge in place.
- Operating temperature of the sterilizer should be between 35 degree to 60 degree centigrade.
- Sterilizer should have controlled stages of sterilization process.
- Sterilizer should have supervisor PIN [controlled access] protection to run the supervisor cycles.
- Sterilizer should have relative humidity sensors [for control and monitoring purpose].
- Sterilizer should have temperature sensors to continuously monitor the temperature through the chamber.
- Sterilizer should have monitor which can display live cycle chart with pressure , temperature and % relative humidity profile. The sterilizer screen should have the capability to continuously indicate cycle status and estimated time remaining.
- Sterilizer should be incorporated with Alpha- Numeric Graphical Thermal Printer with option to Graph/table/Detailed Cycle report preferences. Report will contain the parameters of temperature pressure, Gas exposure time and start /end time of each stage.
- Sterilizer should operate on automatic gas puncturing system under NEGATIVE PRESSURE ensuring operator safety.
- Sterilizer should automatically enter into inbuilt..Aeration Cycle after sterilization is completed which should be indicated in the visual display provided in the equipment.
- Sterilizer should have an aeration cycle/ programme to extract residual gas out of the sterilized objects after each sterilization cycle.
- Sterilizer should have installation in major hospitals in Kerala and Performance Certificate from the Customers is preferred.
- Sterilizer should be UPGRADABLE to any new version of software.

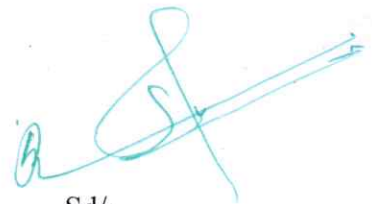
- System should have in-built calibration features available in the equipment and validation port to perform external calibration/validation of equipment .
- Fully equipped with certified trained Engineers available in Kerala.
- Company should give 3 year of warranty for the sterilizer unit.

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 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 existing new battery can be used for the UPS Should be noted at the time of submission of the tender.



Sd/-

For

Managing Director