

**IIT/STEP/HDFC-CSR/EQ/2018**

**INVITATION FOR TENDER FOR SUPPLY OF HORIZONTAL RECTANGULAR  
STERILIZER (fully SS)**

Sealed tender offers are invited in two separate sealed covers (Technical and Commercial offers) from original manufacturers / agents of the manufacturer / suppliers / direct agents manufacturers for the supply of the following equipment.

**The offer must include: Door-step delivery, unloading, installation and commissioning, and full training to IIT Kharagpur Scholars/Staff.**

Please send offers, ALONG WITH DESCRIPTIVE CATALOGUE/ BROCHURE. The validity of the bid should be at least five months (150 days) or more from the date of the opening of this tender. Please ensure that your quotation reaches not later than 14.02.2019 (Tuesday) by 15:00 Hrs. (IST) at the following

address: **Dr. Satyahari Dey,  
Professor, Department of Biotechnology,  
Indian Institute of Technology Kharagpur,  
721 302, West Bengal, India**

**EMD Rs. 20000/-has** to be deposited in the form of Account Payee Demand Draft in favour of IIT Kharagpur, payable at Kharagpur, India. **Any bid which is not accompanied with an EMD shall be summarily rejected.** Earnest money deposited will be forfeited if the tenderer withdraws or amends its tender or impairs or derogates from the tender in any respect within the period of validity of its tender. No interest will be paid on the earnest money of the unsuccessful bidders.

Tender Reference	<b>IIT/SRIC/STEP/2018/EQ1 dated 21/1/2019</b>
Tender Fee	<b>NIL</b>
Last Date and Time for submitting the tender document	14.02.2019 (Tuesday) by 15:00 Hrs. (IST)
Time and Date of Opening of Technical Bids	14.02.2019 (Tuesday) by 16:00 Hrs. (IST)
Place of Opening Tender	<b>SRIC Meeting Room. Indian Institute of Technology Kharagpur, 721 302, West Bengal, India</b>
Address of Communication	<b>Dr. Satyahari Dey, Professor, Department of Biotechnology, Indian Institute of Technology Kharagpur, 721 302, West Bengal, India</b>
Contact Telephone Numbers	- 91+3222 - 283760

**HORIZONTAL RECTANGULAR DOUBLE-DOOR STERILIZER (fully SS) with control panel**

- STEEL Horizontal Rectangular High Pressure Sterilizer.
- Material of Chamber: AISI 316 quality stainless steel ;
- Door: Hinge type manual door with radial locking using shooting bolts, having pressure locking safety facility.
- Material of Door: Made of Stainless steel 316 quality.
- Shooting Bolt : MS
- Mode of cycle operation: Automatic by PLC
- Material of Boiler/Steam Generator: stainless steel.
- Electrical Supply Requirement: 3 phase 4-wires, 400-440Volts 50Hz A.C. supply
- Sterilization Time: 30 minutes ; Total Cycle Time: 60 minutes
- Working Temperature: 121°C; Working Pressure: 1.2Kg/cm<sup>2</sup>
- The unit would be manufactured as per IS specifications Mark IS:3829(Part-I) and also would bear the certification.
- The unit should be mounted on tubular stand of mild steel in a ready to use condition.
- The sterilizer should be fitted with all necessary safety features.
- All control valves pneumatic.

**The control panel with a** combination of PLC & MMI. Every stages of sterilization cycle should be displayed on MMI. PLC should go through self diagnostic checking system.

**Provision of Microprocessor:** The operator can program the cycles with his choice of different settings of time, temperature which can be used various contents/materials to be sterilized.

- a. **MMI Backlit with password protection** –
- b. Provision for **digital display** of temperature, time, cycle time and elapsed time for ease of operation of the cycle.
- c. Provision of **‘error code analysis’**

- The unit would mounted on wall of a room. Please quote cost for this installation that has to be done by suppliers service personnel
- .Please quote for carriage trolley(316 SS)