



Notice Inviting e-Tender

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Procurement of Medical Equipment for the Dept. of SNCUs at Hospitals and Medical
Colleges of Govt. of West Bengal
(Submission of Bid through *online*)

Bid Reference No.: WBMSCL/NIT-232/2023

Dated-10.05.2023

AMENDMENT-II

Revised Technical Specification

Item No-1

Horizontal High Pressure High Vacuum Steam Sterilizer

A. Construction

- Type of Sterilizer:** Horizontal Rectangular/Square / Cylindrical - Steam Steriliser Pressure type for Hospital and Pharmaceutical use, fitted with Silicon door gasket (expansion type). Steriliser Chamber Capacity 150-200 litre, Electric load of the unit shall be as per requirement.
- Steam supply to Sterilizer:** From Built-in Steam Generator electrically heated using immersion heaters wired for operation on 3 phase 4 wire 400/440 V 50 Hz AC supply [with immersion heaters having mineral filled sheathed heating elements and complying with safety requirements]
- Material: Steriliser parts; Chamber, Jacket, Door, Door Ring and shall be made of :** SS 304 / SS 316
- Type of control :** Automatic: MICROPROCESSOR CONTROLLED (MAKE: SIEMENS / ELLENBARRIE / MITSUBISHI) WITH PRESELECTED STERILISATION PROGRAMS (variable programs customisable as per Buyer's requirement to deal with sterilisation and drying of wrapped/unwrapped loads at 121 & 134 degree C)
- Whether a compatible water softener & reversed osmosis based system to feed water to the steam generator unit is to be supplied with the sterilizer :** Yes
- Provision of Lock on Sterilizer Chamber door :** Manual and Automatic Lock both
- Type of Door :** Sliding / hinge Type (should be user-friendly)
- Display facility for Sterilization Cycle parameters :** Chamber Temperature, Cycle Number, Batch Number, Time and Date, Alarm Indicator, Low Water Indicator

9. **Print facility for record generation of dates, time, load, identification number and operating parameters (temperature and holding time etc) :** Yes, by an inbuilt printer unit
10. **Warranty Period :** 2.0
11. **No of Doors in Sterilizer :** 2
12. **Connecting pipes should be Stainless Steel.**
13. **Type of user friendly Interface (for microprocessor controlled Sterilizer) to specify parameters for running Sterilization cycle :** Touch Screen Interface

B. Accessories (made of SS 316) for loading/unloading and handling of Load

1. Number of Rails : 2
2. Long Handle : 1
3. Sterilization Carriages : 1
4. Pull out Trays/Tanks : 2
5. Floor loading carts : 2
6. Transfer Carriages : 2

C. Additional Specification Parameters

14. Boiler: A. Boiler material:-SS304 B. Type of Heating:-Immersion heater C. Pump Controller: Electronic device which control the feed water pump (on/off) when needed. D. Heater Protection: Electronic device which protect heaters when low water level inside the steam generator. E. Level Sensor: Two functions. Low water signal to protect heaters as well as provides same signal to run feed water pump for filling water.

15. Warranty :

Equipment – 2 (two) years

Heater – 7(Seven) years

Motor – 5(five) years

16. Operating pressure: 1.2kg/cm² Operating Temperature: 121°C – Mandatory
: 2.1 kg/cm² Operating Temperature: 134°C – Mandatory
17. Jacket Material: Boiler quality stainless steel
18. Product Certification: European CE (4 digit notified body) / US FDA/BIS

Item No-2

Commercial Washing Machine with Stack able dryer

Type:

1. Type of Machine - Washer with Dryer / Extractor
2. Type of Usage of Machine – Commercial
3. Type of Mounting - Grouting (if required)
4. Drive Type - Variable Frequency Direct Drive
Number of Tubs/Containers/Drums - Stacked Washer / Dryer Containers
5. Type of Laundry Loading - Front Load
6. Laundry Processing - Fully Automatic
7. Type of Heating - Electrical Heating
8. Material of Top Panel - Galvanized Steel
9. Material of side Panel - Galvanized Steel

WASHER:

1. Washer System - Drum Type
2. Rated capacity of Washer(in kg) – 12.5-15

3. Material of the Washer Drum - Stainless Steel

DRYER:

1. Type of Dryer - Tumble Dryer
2. Type of Tumble Dryer - Vent Type
3. Rated capacity of Dryer (in kg) - 12.5-15
4. Material of the Dryer Drum - Stainless Steel
5. Provided with Hot Air Blower - Yes

POWER SUPPLY:

1. Power Supply - Single Phase / Three Phase , 50 Hz
2. Working Voltage – 230 / 440 ± 10% V AC

GUARANTEE /WARRANTY:

1. Minimum Rated Life Cycles – 20000
2. Warranty on Equipment - 2 years
3. Warranty on Electric Motor(s) - 5 Or higher

Additional Specification Parameters

1. Washing Machine (Commercial Washing Machine with Dryer) suitable for Hospital laundry system and CSSD to be utilized for washing hospital based linens - Mandatory
2. The machine will be fitted with fully programmable computerized system of different wash programme (at least more than 20) and LCD display for message information – Mandatory
3. It will be fitted with proper inverters and motor for high efficiency and low power consumption – Mandatory
4. There should be provision for special technology for residual moisture control associated with drying – Mandatory
5. Facility for on sight repair and troubleshooting during the warranty and CMC period must be ensured and Warranty on Equipment: 2 Years – Mandatory