

**21. STAINLESS STEEL VERTICAL SLIDING DOOR,  
SIZE 500X 500MM OPENING.**

**22. GLOVE WASHER**

Capacity	:	1) 50 pairs (100 nos.) Gloves
Drive motor	:	375 watts
Pump motor	:	125 watts
Electric supply	:	230V, single phase, 50 c/s., A. C.
Cold water inlet	:	3/4" B.S.P. (19 mm)
Hot water inlet	:	3/4" B.S.P. (19 mm)
Drain outlet	:	1" B.S.P. (25 mm)
Overall dimensions(LxBxH)	:	<b>For 50 pairs</b> 900mm x 1000mm x 1300mm

**NOTE:** Complete stainless steel frame and covers available on request.

**23. GLOVE DRYER**

Capacity	:	1) 50 pairs (100 nos.) Gloves
Drive motor	:	375 watts
Fan motor	:	95 watts
Heater	:	<b>For 50 pairs</b> 2500 watts
Electric supply	:	230V, single phase, 50c/s, A. C.
Overall dimensions (LxBxH)	:	<u>For 50 pairs</u> 1) 900mm x 800mm x 1300mm

**NOTE:** Complete stainless steel frame; outer casing and covers available on request.

## **TURNKEY PROJECT SPECIFICATION OF CSSD EQUIPMENTS**

### **HORIZONTAL HIGH PRESSURE RECTANGULAR SLIDING DOUBLE DOORSTERILIZER WITH MICRO PROCESSOR**

**QUANTITY REQUIRE:-4NOS.**

1) Horizontal rectangular high pressure automatic steam sterilizer with internal capacity (850-950 ltr).

**Chamber Size:-915mm X 915mm X 1225mm**

**Electrical Load:-40KW**

2) The unit should be provide microprocessor based control panel for controlling entire cycle of sterilization and steam pulsing automatically.

3) Sterilization chamber, doors and jacket should be made of high quality SS316.

4) The double door unit should be horizontally sliding with safety lock manual actuation of doors and automatic door sealing.

5) Two stage vacuum pump should be incorporated with the unit to create vacuum for total evacuation of the air for the chamber.

6) The cycles of sterilization should be programmable with the choice of different time & temperature (121/134 degree Celsius) setting with their corresponding pressure (1.2/2.2 kg/cm square).

7) The load after sterilization should be moisture free with post sterilization vacuum drying to ensure load is drying on unloading.

8) Stainless steel electric boiler should be provided with interconnecting steam pipes made of 316 with good quality immersion heaters which should be able to sustain an electric load corresponding to the requisite capacity of the machine.

9) Power input to be 440 VAC, 3-phase, 50HZ.

10) Machine Should have pressure and safety valve.

11) The machine should have a provision for automatic filling of water into the steam generator. Water consumption should be minimum preferably. Suitable water purification system should be provided as per the system requirement for sterilization unit.

12) Three (one for protect heater, one for starting feed water pump and one for maximum water level).

13) It should have mechanism to control and keep the pressure constant in the jacket.

14) The Digital display at front panel to show the temperature of chamber, pressure in the chamber, cycle number, batch number, time & date, alarm indicator (for high and low temperature), error code, water indicator/alarm etc should be provided on the touch screen.

15) Computerized recording device with inbuilt printer should be provided that will automatically and continuously monitor and record dates, times of day, load, and identification number and operating parameters.

16) Stainless steel loading carriage with two perforated and adjustable shelves should be provided along with a suitable s.s. trolley moving on castor wheel.

17) Trolley should be two lock one for locking carriage for trolley and second for locking trolley with sterilizer and there should break system for trolley wheel.

18) All infrastructural works including plumbing, electrical and civil works will have to be done by the supplier.

19) BOWIE & DICK Test and leak test will be available in PLC.

#### **Note:-**

- Company should have IS-3829 (Part-1) marked
- Company should have valid CE certified.
- Company should have valid ISO (9001-2008 & 2003-13485) certificate.
- Company should have manufacturing experience more than 10 years.

## **2. WASHER DISINFECTOR**

**QUANTITY REQUIRE:-2NOS.**

**Size of Chamber** : 600 mm X 700 mm X 700 mm

**Electric Supply Requirement** : 415 V, AC 3 Phases & N, 50 Hz

1) Washer Disinfector with Thermal disinfection, cleaning, in a single closed .system.

System: front loading with drop down (double) door.

2) Wash cabinet made from high grade stainless steel/.

Washing chamber capacity approx 250 liters.

3) Should have at least 3 programmable cycle.

4) At least two dispenser pumps, one circulating (2HP) pump.

5) Electrical door lock,, program failure check, audible and visual signal at program end.

6) Two or more arms in the wash cabinet

7) One Sensor for temperature monitoring and control, sensor port for easy positioning of probes in the wash cabinet, sensors in wash cabinet and magnetic strip for automatic mobile unit recognition and positioning.

8) Should have space for detergent/neutralizer etc.

9) Cold demineralized water connections.

10) All infrastructural works including plumbing, electrical and civil works will have be done by the supplier.

### **Note:-**

- Company should have valid CE certified.
- Company should have valid ISO (9001-2008 & 2003-13485) certificate.
- Company should have manufacturing experience more than 10 years.

## **3.DRYING CABINET /ELECTRICALLY OPERATED-2nos.**

This is used to remove the moisturizer from the washed O.T equipments after they are disinfected in the Washer Disinfector. It is suitable for surgical instruments, utensils, glassware and Anesthetic respiratory therapy Equipments.

Complete SS Construction. Adjustable Temperature Range: 0 to 200 degree C.

Drying Time Range: 0 to 99 minutes

Electrical Connection: 4 KW.

Electric Supply Requirement: 230 V, AC Single Phrase

Standard 15 Amps 3 Pin Plug Point can be used.

Size: 670mm X 545 mm X 1800mm

All infrastructural works including plumbing, electrical and civil works will have be done by the supplier.

### **Note:-**

- Company should have valid CE certified.
- Company should have valid ISO (9001-2008 & 2003-13485) certificate.
- Company should have manufacturing experience more than 10 years.

## **4. ULTRASONIC CLEANER**

**Ultrasonic Cleaner:-**Only mishandled instruments should be treated in an Ultrasonic Cleaner. All Instruments need to be cleaned of blood, etc. Within 30 minutes of use failing which blood gets encrusted on the instrument causing corrosion to the very expensive instrument. Since it is not always practical to clean instruments within 30 minutes, an Ultrasonic Cleaner is essential.

**All infrastructural works including plumbing, electrical and civil works will have be done by the supplier.**

**Note:-**

- Company should have valid CE certified.
- Company should have valid ISO (9001-2008 & 2003-13485) certificate.
- Company should have manufacturing experience more than 10 years.

**5. S.S. Top Work Table with Two Sinks and bottom shelves-2nos.**

**Size:** 2400 x 650 x 900 H

**6. CONTROL AND PACKING TABLE (2000X1400X900)-2nos.**

**7. ETHYLENE OXIDE STERILIZER**

- a. chamber - SS 316
  - b. Insulation of shell - 50 mm thk. R.B. fibre glass with aluminum foil.
  - c. Door - Single, SS 316, hinged type
  - d. Paneling - MS power coated Box type design. PLC, temp. Controller, Compound gauge and switches will be located within the panel .
  - e. Mode of heating - Chamber will be heated with electric air heaters of 3 KW.
  - f. Vacuum pump - Diaphragm type vacuum pump provided to achieve high level of air removal for high sterility.
  - g. Gas Purging - Provided with cartridge puncturing system.
  - h. Sterilization Process - One no. sterilization cycle with inbuilt leak test will be provided, which will be completed automatically.
  - i. Stand - MS painted.
  - j. Accessories - 1 no. wire basket for chamber  
1 no. air compressor of 1HP.
- Size** - 16" X16" X 48"  
**Airation time** - pulsing system by vacuum pump within 40 minutes.

**Note:-**

- Company should have valid CE certified.
- Company should have valid ISO (9001-2008 & 2003-13485) certificate.
- Company should have manufacturing experience more than 10 years.

**8. ROTERY SEALER MACHINE**

This is an electrically operated machine, with a capacity of sealing 5000 bags a day. The length of the machine is approximately 20 each

**9. S.S.STERILE BASKET**

**Size:-**585mm X 395mm X 190mm-12nos.

**10. INSTRUMENT TRAYS**

- 1)450MMX340MMX70MM-8nos.
- 2)340MMX250MMX70MM-8nos.
- 3)250MMX170MMX70MM-8nos.

## 11. Plasma sterilizer-1no.

### TECHNICAL SPECIFICATION FOR STERRAD 100S Plasma

#### STERILIZATION SYSTEM

1. H<sub>2</sub>O<sub>2</sub> Plasma Sterilization System with total chamber size of 173 Liters and usable volume of 100 Liters for temperature sensitive items, providing sterilization at 55°C.
  2. The system provides high operating and process safety by means of electronically controlled tapping of the sterilization media. Does not have any toxic byproducts. Byproducts are water vapors and oxygen
  3. The concentration of H<sub>2</sub>O<sub>2</sub> is at 58%.
  4. The system facilitates temperature and sterilization media distribution due to chamber and door heating by electrical heating.
  5. The system is equipped with powerful vacuum pump.
  6. User can have identification facility. All cycles are suitable for long & narrow lumens. Total cycle time is less than 55 minutes.
  7. The system facilitates user-friendly operation and equipped with a touch key operation with LCD display to validate different cycle parameters including remaining cycle time.
  8. After completion of the sterilization cycle, there are no residues on the instruments or on the chamber surfaces so that the instruments or other sterilized items can be used immediately.
  9. No additional aeration is required. Instruments can be immediately used
  10. The can sterilize long flexible lumens reusable items which are used for various procedures inside hospital.
  11. Have possibility connection to PC.
  12. The system will be supplied with required accessories including instrument basket, incubator, mask, gloves.
  13. The system complies with EN as well as USA FDA international standard for Plasma sterilization for safety operation.
12. Closed Transfer Trolley-3nos.  
**Size:-915mmX610mmX1016mm**
13. Gauze cutting machine with SS table size  
**Size:- 900x600x750mm**
14. Linen Inspection & Folding table (S.S.304)-1no.  
**Size:-1600mmX1400mmX900mm**
15. MODULAR SINGLE FREE STANDING BASKET RACK (12 BASKETS) -2nos.  
**MATERIAL: S.S.304**  
**Size:-1250mmX425mmX1830MM.**
19. SPRAY GUN WITH DIFFERENT NOZZLES-2nos.