

Sl. No.	EQUIPMENT	QTY
1	<p>TECHNICAL SPECIFICATION: HORIZONTAL CYLINDRICAL HIGH SPEED INSTRUMENT STERILIZER (FLASH AUTOCLAVE)</p> <ul style="list-style-type: none"> • Shall be floor mounted - The sterilizer shall be manufactured as per IS specifications Mark IS: 3829 (Part-2) and also shall bear the certification. • Volume of inner chamber – 75 litres to 80 liters; Minimum inner chamber dimensions – 400mm dia x 600mm depth • Shall have single door, radial, hinge type with pressure locking safety facility. The door unlocking shall be possible only when the chamber is exhausted. • Single control through multiport valve to set and select the cycle manually • Material : Inner chamber - Stainless steel SS 316 quality with a minimum thickness of 4mm; Radial hinge type door – Stainless steel SS 316 with a minimum thickness of 12 mm; Inbuilt steam generator – SS 304 quality; All connecting pipes shall be made of good quality stainless steel; Jacket-boiler quality steel; stand-mild steel with anticorrosion paint • Electrical immersion type heaters of 18KW, equipment should be operated on 400-440 V, 3 phase with neutral, AC supply. • Should have an auto-feed water pump with controller, that shall draw the water automatically whenever the level of water in the steam generator goes down during operation; preferably Crompton make • Should provide heat resistant SILICON door gasket withstand upto 140°C. • Insulation of Glass wool thickness shall be 50-75mm. Insulation cover shall be made of good quality stainless steel 304 quality • Should provide analog gauges for chamber pressure and Jacket pressure; Necessary calibration certificates to be submitted during supply • The sterilizer shall be fitted with Pressure switch, Contactor, Non return valve, steam trap, water reading glass, safety valve, dial thermometer, plug screen, vacuum drier etc..as needed • Working temperature of sterilizer is 134°C and the corresponding pressure is 2.1kg/cm² • Documents: user manual in English, Hydraulic test certificate, Material test certificate, Gauge calibration certificate shall be submitted 	2
2	Stainless steel Work Table with undershelf	3
	Stainless steel work Table with under shelf, used within the TSSU. The table top is fabricated out of 16 S.W.G S.S 304 quality. Ground and polished to a smooth surface without high edge sections. The table top frame is a complete Assembly with front back and two ends welded together at corners Overall Size: 915mm 600 x 900 Ht	
3	S.S. Pass Box	1
	The Pass Box shall be fabricated from S.S. 304 stainless steel sheets with double wall construction. Should have full argon welding for superior hygiene; Shall have UV lights for safe storage of components; As an additional safety to the operator the UV light will be automatically switched off when any one door is opened; Door interlocking to prevent simultaneous opening of both doors; Toughened glass paneling for easy visibility; Inside size: 600mm x 600 mm x 600 mm	

4	S.S. Control And Packing Table With Drawer	1
	Shall be made of good quality Stainless Steel SS 304, thickness of 16 SWG; Shall have minimum two shelves for separation, control and packing of various sets of sterilized goods forwards, clinics, operation theatre etc.; Shall have Stainless steel 304 quality drawers, 18SWG thickness, underneath the table and also with nylon adjustable leveling bullets for legs; Shall have provision for electrical connections for sockets of 5 Amps & 15 Amps; All the joints shall be welded and fine finished; Table overall size – 2000mm length x 1400mm Width x 1400mm H	
5	Stainless steel Work table with Two sink	1
	Stainless Steel Work table with double sink unit with hot water, cold water and air spray connections – for washing of instruments; Complete stainless steel 304 body construction; Will have a drain outlet connection; Sinks are designed in a way to minimize splash; Shall have an undershelf made of stainless steel SS304, , 16SWG thickness., Separate hot and cold water faucet above each sink; Shall have Two Sinks made of stainless steel SS 304 quality, 16SWG thickness, are designed in a way to minimize splash, Frame (square) shall be made of stainless steel SS 304 quality, 14SWG thickness; All the joints shall be welded and fine finished. overall size: 1500mm L x 650mm x 900mm Ht	
6	Washer Disinfector with inbuilt drier, single door	1
	Should be made of good quality Stainless Steel and the unit shall be a single door made of stainless steel SS 304 quality, 16SWG thickness. ; All connecting pipes shall be made of good quality stainless steel; Body and Frame shall be made of Stainless steel 304 quality, 14SWG thickness; The external panel shall be made of stainless steel 304 quality, , 18SWG thickness; Inner chamber volume shall be 250 to 275 Litres approx. and can handle up to 1200 instruments per hour; Shall be designed to wash, rinse and drying all kinds of surgical instruments, anesthetic and respiratory tubing, suction devices, bottles and other glassware; Microprocessor control for all services, programming and statistic functions – three preset programs and process shall be automatically controlled in a time regulated sequence; Double wall with insulation to run with minimum sound and heat emission; Shall be provided with Silicon type gasket for door; Temperature: Washing at 50 to 65 deg.C; Thermo disinfection at 80-90 deg C; Hot or cold water Spray through rotating arms, Automatic Disinfectant loading through dosing pump; Effective Drying: The instruments and hoses are dried very thoroughly, inside out. An air particle filter ensures that the drying air is free from particles; Shall be fitted with Sensor to detect level in soap tank and easy refilling system, Sensor for water in chamber to avoid dry run, have powerful water circulation pump, four spray arms, dual dosing pump etc.; Electrical load – 20KW, 415 V, AC, three phase & N, 50Hz	
7	Ultrasonic cleaner	1
	Shall be made of Stainless Steel SS 304 quality, 18SWG thickness of body and door; The Ultrasonic generator and the ultrasonic cleaning bath are built in one integral cabinet with castor wheels; Shall be designed for ultrasonic generation with PZT transducers for mechanical vibration in the cleaning liquid; Shall have a minimum volume of 30 liters, with ultrasonic frequency of 30 KHz (+/- 3 KHz), ultrasonic power of 500 Watts; Transducers: PZT – elements in sandwich form; Should be supplied with suitable SS Lid and baskets	
8	Drying cabinet with Single Door	1

	Drying cabinet casing, doors and shelves are made of stainless steel AISI 304 quality; Double wall construction with insulation between panels. This construction reduces heat losses and noise into the working area; Drying Cabinet is designed to dry surgical instruments, utensils, glassware and anaesthetic therapy equipment; The unit has an adjustable temperature range of 70 – 90 deg C; Size: 550mm x 425mm x 1300mm height. ; Electrical Heater: 3.6 KW; Volume – 275 litres appx. It can be operated on an electrical connection 230 V AC single phase 50 Hz. Supply from a standard 15 Amps 3 pin plug point.	
9	Hot & Cold Water Sterilizer	1
	Hot & Cold Water Sterilizer consisting of two chambers, one for hot sterile water and the other for cold sterile water. Capacity of each chamber 40 litres. Operating pressure: 16 to 18 psi. and corresponding temperature of 121°C. The chamber will be made out of stainless steel fitted with self-sterilizing water and air filters, gauge glass, double acting valve, air vent valve, draw-off valve, relief valve, safety valve, etc.. The water sterile chamber will additionally be fitted with a cooling coil for circulation of cold water. The unit is suitable for electrical operation on 400/440 volts 3 phase, 50 cycles, AC supply, electrical load 12 KW	
10	Shall be made of good quality Stainless Steel SS 304; Size: 1830mm L x 535mm W x 1830mm H; Floor mounted type, storage rack with five shelves to store the medical instruments / linen; Frame shall be fabricated of 40mm square Stainless steel pipes, legs shall be provided with adjustable nylon Bullet feet; Frame thickness , 14SWG; The shelves are fabricated of 16 SWG Stainless Steel sheets ground polished to smooth surface; Edges are welded together & polished at corners	6

