Hindustan Prefab Limited

Jangpura, New Delhi-14

Name of work: Supplying, Installation, Testing & Commissioning of CSSD & TSSU equipments for 100 Bedded ESIC Hospital at Raipur Chhattisgarh.

NIT NO: HPL/DGM(Engg.)/TC/ESIC/Raipur/2019-20/18 Dated: 18.06.2019

Name of Agency: M/s.

TSSU EQUIPMENTS

Sl. No.	DESCRIPTION OF ITEMS	QTY	UNIT	RATE	AMOUNT
1	**Horizontal cylindrical High Speed Instrument Sterilizer, single door**	2	Nos.		-
	Horizontal cylindrical High Speed instrument (steam) sterilizer, radial hinge type single door, flash autoclave, Operating pressure will be 30 psi. corresponding to a temperature of 134 oC. The sterilizer will be manufactured as per "IS:3829 (Part 2) - 1978" with ISI Mark. The sterilizer chamber will be formed out of SS 316. The Jacket will be formed out of BQ steel. The outer cover made of SS 304. The sterilizer will be provided with one pressure locking type safety door. The door plate will be formed out of SS 316 with shooting bolts, steam generator and flush mounting will be of SS 304. The sterilizer stand will be of mild steel. The Sterilizer will be automatic PLC based control system with 3 pre-sets programs to minimize human error and ease of the operator. Finally, the automation is so designed that once the program is selected then no further intervention is required from the operator till the end of the program. The sterilizer will also be provided with intelligent transducer for heater protection .Sterilizer as above of chamber size 400mm dia. x 600mm depth (16" x 24") suitable for electrical operation, on 400/440 volts, 3 phase, AC supply, electrical load 18 KW.				
2	**Stainless steel Work Table with undershelf**	3	Nos.		-
	Stainless stell Table with undershelf used inside the TSSU. The table top is fabricated out of 16 SWG SS 304 qlty. 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 x600x900Ht.				
3	**S.S. Pass Box**	1	No.		-
	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	No.		-
	Stainless Steel Control and Packing table is used for separation, control and packing of various sets of sterilized goods for wards, clinics, operation theatres etc. and is designed for standing and sitting workers. 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; Overall size: 2000mm L x 1400mm W x 1400mm Height				
5	**Stainless steel work table with two sink**	1	No.		-
	The bench top is fabricated out of 16SWG SS 304 qlty. ground and polished with smooth surface and edge section. The top is designed to give a stable work surface. The table top frame is a complete assembly with front, back and two ends welded together. The sinks are made of stainless steel with inside ground and polished. Each sink is provided with a drain valve and a strainer. On the bench top, just above the sinks mixer for hot and cold water connection is provided. Overall size 1500mmL x650mm Wx900mm Ht.				-
6	**Washer Disinfector with inbuilt drier, single door**	1	No.		-
	Single door, suitable for cleaning and disinfection of surgical instruments, anesthetic equipment, general circulation goods, dental tray etc., with a fully closed process. The washer disinfector, fully automatic, has an advanced micro-processor which controls all services, programming and statistic functions. For safety reasons the service and programming functions are coded. The chamber is equipped with four spray arms which ensure good water penetration from all directions. Various attachments are provided to suit the load to be washed. Suitable dosage of detergent can be preset with the dosing pump. The wash chamber, the inside door, the pipework system and the circulation arms are made entirely of stainless steel. Effective drying should be provided for drying of the instruments after wash disinfection cycle. Suitable for electrical operation on 400/440 volts, 3 phase, AC supply, electrical load 20 KW.Capacity of 275 ltrs.				
7	**Ultrasonic Cleaner**	1	No.		-
	Ultrasonic Cleaner of overall size 530mm L x 330mm W x350mm H Internal Dimensions: 505 x 300 x 200 mm, output frequency 35khz. Capacity 30 litres. The Ultrasonic cleaners are manufactured using Solid State technology For the Ultrasonic Generator and PZT Transducers for converting the electrical energy to mechanical vibrations in the cleaning liquid. The unit will be complete with a thermostat and a timer, insert basket for tank and tank cover. The unit is suitable for electrical operation on 220/240 Volts, single phase, 50 cycles, AC supply.				
8	**Drying Cabinet with single door**	1	No.		-

	Digital timer Controlled Drying Cabinet with single door suitable for easy and quick drying of instruments, utensils, anesthetic accessories such as corrugated hoses, and surgical instruments trays etc. The unit would be provided with digital display with countdown drying time and drying time selectors, temperature selector including indication of selected temperature. The system would have adjustable adjustment temperature range of 60-90oC. The system would have drying time range of 0-90 minutes. The air is to be heated to an operator selected temperature by electric heating element. The system would also have an exhaust connection to vent outside. Chamber volume 275 litres. Suitable for electrical operation on 230 volts, single phase, 15 Amps. Electric load 3.6 KW.				
9	**Hot & Cold Water Sterilizer**	**1**	**No.**		**-**
	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 deg 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	**Stainless steel work table.**	1	**Nos.**		**-**
	Table is used for wet goods with underself, the table top is fabricated out of 16 SWG SS 304 Qlty. 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 900 x 600 x 900 mm H.				
11	**Stainless steel racks with 5 shelves**	**6**	**Nos.**		**-**
	All sides open and stainless steel bullet feet. overall size 1830x535x1830mmH.				
	Total (in Rs.)				**-**

Note:

1	The quoted rates of the bidders will be inclusive of all the taxes including GST, Transportation, Loading & Unloading, Installation, Testing & Comissioning of the equipments in all respect. Nothing extra will be payable on any account. For Testing & Commissioning of equipments, arrangement of water & electricity will be made by the contractor at his own.
2	All the equipments should confirm to the technical specifications given in the tender document. However, if any of the specifications is missing or not given in the tender document, the equipment should confirm to the best specifications of the trade & equipment duly approved by the Engineer-in-Charge.