

Specifications for CSSD Department

1. Autoclave (Horizontal), 200 litres	2
2. Gauze Cutting Machine	5
3. Autoclave Drums (Big and small size).....	7
4. Storage Cabinet for CSSD.....	8

1. Autoclave (Horizontal), 200 litres

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	Autoclave, Horizontal, 200 litres			
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
1	Description of Function			
1.1	CSSD autoclave shall be able to sterilize wrapped instruments, unwrapped instruments, linen, glassware, liquids.			
2	Operational Requirements			
2.1	Microprocessor controlled horizontal electrically heated autoclave is required.			
3	System Configuration			
3.1	Autoclave, Horizontal, Single Door, 200 litres, with complete accessories.			
4	Technical Specifications			
4.1	Shall have both fully automatic operation mode and manual mode.			
4.2	The sterilizer shall be pneumatically (Compressed Air) operated			
4.3	The autoclave shall be designed to operate on various pre select programs such as pre-vacuum cycle, gravity cycle, porous load cycle, liquid cycle and two standard Bowie Dick test and vacuum leak cycle.			
4.4	Autoclave shall work up to 121-136 °C temperature.			
4.5	It shall come with vertical sliding door, a trolley, a steam generator and a dedicated air compressor.			
4.6	Construction: <ul style="list-style-type: none"> Jacket shall be constructed of heavy duty 304L grade stainless steel. Door shall be constructed of heavy duty 304L grade stainless steel. Chamber shall be constructed of heavy duty 316L Ti grade stainless steel. All the pipes and fittings are made of stainless steel and Brass. 			
4.7	Chamber constructed of heavy duty 316L grade stainless steel shall have following features: <ul style="list-style-type: none"> Chamber shape: Horizontal cylindrical design Chamber volume: approx. 200 litres. 			
4.8	Shall come with safety features such as: <ul style="list-style-type: none"> Door must not open in case chamber is pressurized. Safety valves for chamber/jacket, current overload relays and contactors for vacuum pump. Shall have at least two limit switches at the end of door-close position. 			
4.9	On the front panel of autoclave there are different pressure gauges for depiction of actual pressure in chamber, jacket and pressure on gasket.			
4.10	It shall be high speed microprocessor control for accurate progression of sterilization cycle.			
4.11	Keypad/touchscreen shall be provided which is used for selecting the cycle and			

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	to adjust and feed alphanumeric data. Multiple password access levels (specify number) shall be provided to control access/operation of the machine preventing unauthorized access. These access levels shall be user selectable.			
4.12	Approx. 7" touch screen multi-colour LCD display for preselect program information. The information must include cycle stage, chamber temperature, chamber pressure, jacket pressure along with the information about failures and interrupts. It shall have storage capacity of approx. 200 cycles built-in memory.			
4.13	Documentation: The system shall come with real time built-in printer which gives/prints the real time event during the propagation of cycle such as time in hour, minute, second along with date, load no., operator etc. Any failure is indicated via audio-visual alarm and a print out.			
4.14	Shall come with heat condensation device that cools the condensate emitting from autoclave during the exhaust.			
4.15	Shall have fully automatic steam generator made of more than 60L chamber to feed steam to autoclave jacket and gasket groove. Water reservoir, water sensing electrodes, pressure switches and safety valve must be part of steam generation unit. It shall come with heating element of 10-20KW made of stainless steel.			
4.16	Exhaust air filtration with condensate sterilization for emission-free sterilization of infectious pathogens, equipped with filter cartridge of 0.2 µm pore size, with easy access for replacement.			
4.17	Air compressor: Shall come with air compressor for all pneumatic operation.			
4.18	Even with a total control failure, all mechanical safety features must be left intact.			
4.19	RS 232/USB interface for direct connection to a personal computer (PC), and programs for conforming documentation, diagrams, storage, and printout.			
5	Accessories, spares and consumables			
5.1	Accessories: <ul style="list-style-type: none"> • Spare heating element- 2 set • Spare air filters: 5 nos. • Spare door gaskets: 2 nos. • Water level glass : 2 no. 			
5.2	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			
6	Operating Environment			
6.1	The system offered must be designed to store and be operated normally under the condition of the purchaser's Country. The conditions include Climate, temperature and relative humidity.			
6.2	Power supply: 380-440 V (3 Phase), 50Hz fitted with appropriate plug to meet			

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	purchaser's country requirements. The power cable must be minimum 3 metres long.			
7	Standards and Safety Requirements			
7.1	Must submit ISO13485:2003/AC:2007 for Medical Devices AND			
7.2	CE (93/42 EEC Directives) or USFDA approved product certificate.			
7.3	Shall meet IEC 61010-2-040 Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-040: Particular requirements for sterilizers and washer-disinfectors used to treat medical materials.			
8	Installation and Commissioning & User Training			
8.1	Supplier must accomplish proper installation and commissioning of the equipment onsite.			
8.2	Must provide user training (including how to use and maintain the equipment)			
9	Warranty & Maintenance Service During Warranty Period			
9.1	Comprehensive warranty for 2 years after installation			
9.2	During warranty period supplier must ensure preventive maintenance and corrective/breakdown maintenance whenever required			
10	Authorization			
10.1	Manufacturer's Authorization or Local Distributor Authorization (Manufacturer's Authorization to the main Distributor is also required in case of Local Authorization)			
11	Documentation			
11.1	User (Operating) manual in English			
11.2	Service (Technical / Maintenance) manual in English			
11.3	List of important spare parts and accessories with their part numbers and costing.			
11.4	Certificate of calibration and inspection from factory.			
11.5	Shall accomplish all the Qualification Criteria of the bidder mentioned in the main bid document			

2. Gauze Cutting Machine

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	Gauze Cutting Machine			
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
1	Description of Functions			
1.1	Useful in cutting thickest of cotton gauze material.			
2	Operational Requirements			
2.1	It shall be table top model.			
3	System Configuration			
3.1	Gauze cutting machine table top model for CSSD.			
4	Technical Specifications			
4.1	Cutting unit and a knife sharpening unit.			
4.2	Blade size : 200 mm			
4.3	Cutting Capacity: 165 mm			
4.4	It shall be fully stainless steel.			
4.5	It shall have single phase electric motor.			
4.6	It shall have spring button start/stop with green/red illuminated indicator.			
5	Accessories, spares and consumables			
5.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			
6	Operating Environment			
6.1	The system offered shall be designed to store and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.			
6.2	Power supply: 220 – 240 VAC, 50Hz Single Phase fitted with appropriate plug. The power cable must be at least 3 metre in length.			
7	Standards and Safety Requirements			
7.1	Must submit ISO 9001 or ISO13485:2003/AC:2007 for Medical Devices AND			
7.2	CE or USFDA approved product certificate.			
8	Installation and Commissioning & User Training			
8.1	Supplier must accomplish proper installation and commissioning of the equipment onsite.			
8.2	Must provide user training (including how to use and maintain the equipment)			
9	Warranty & Maintenance Service During Warranty Period			
9.1	Comprehensive warranty for 1 years after installation			
9.2	During warranty period supplier must ensure preventive			

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	maintenance and corrective/breakdown maintenance whenever required			
10	Authorization			
10.1	Manufacturer's Authorization or Local Distributor Authorization (Manufacturer's Authorization to the main Distributor is also required in case of Local Authorization)			
11	Documentation			
11.1	User (Operating) manual in English			
11.2	Service (Technical / Maintenance) manual in English			
11.3	List of important spare parts and accessories with their part numbers and costing.			
11.4	Certificate of calibration and inspection from factory.			
11.5	Shall accomplish all the Qualification Criteria of the bidder mentioned in the main bid document			

3. Autoclave Drums (Big and small size)

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	Autoclave Seamless Drum			
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
1	Description of Functions			
1.1	Autoclave drums are kept in Autoclave			
2	Operational Requirements			
2.1	Seamless autoclave drums, to be used in autoclave			
3	System Configuration			
3.1	Seamless autoclave drums, complete set			
4	Technical Specifications			
4.1	Material must be stainless steel type 304			
4.2	Must be seamless type			
4.3	Sizes to submit (inches) 6 x 6, 9 x 5, 9 x 9, 11 x 5, 11 x 9, 14 x 9 and 15 x 12			
5	Accessories, spares and consumables			
5.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			
6	Operating Environment			
6.1	Not applicable			
7	Standards and Safety Requirements			
7.1	Must submit ISO 9001 or ISO13485:2003/AC:2007 for Medical Devices AND			
7.2	CE or USFDA approved product certificate.			
8	Installation and Commissioning & User Training			
8.1	Not applicable			
	Warranty & Maintenance Service During Warranty Period			
9	Period			
9.1	Comprehensive warranty for 1 years after installation			
10	Authorization			
10.1	Manufacturer's Authorization or Local Distributor Authorization (Manufacturer's Authorization to the main Distributor is also required in case of Local Authorization)			
11	Documentation			
11.1	User (Operating) manual in English			
11.2	Service (Technical / Maintenance) manual in English			
11.4	Certificate of calibration and inspection from factory.			
11.5	Shall accomplish all the Qualification Criteria of the bidder mentioned in the main bid document			

4. Storage Cabinet for CSSD

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	Storage Cabinet for CSSD			
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
1	Description of Functions			
1.1	Storage Cabinet used to stored the materials of CSSD department			
2	Operational Requirements			
2.1	Storage Cabinet to be used in CSSD			
3	System Configuration			
3.1	Storage Cabinet, SS type			
4	Technical Specifications			
4.1	Must be stainless steel sturdy structure, Mounted on four legs with nonconductive rubber stops			
4.2	Top half of the cabinet must be with lockable glass panel (two doors) and at least two adjustable shelves made of stainless steel			
4.3	Lower section of the cabinet must be with one or two lockable door(s) and one stainless steel shelf			
4.4	2 drawers for additional materials storage			
4.5	2 key locks with at least 2 keys for each lock.			
4.6	Approximate dimensions (lxbxh) to be 80x40x160 cm			
5	Accessories, spares and consumables			
5.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			
6	Operating Environment			
6.1	The system offered shall be designed to store and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.			
7	Standards and Safety Requirements			
7.1	Must submit ISO 9001 or ISO13485:2003/AC:2007 for Medical Devices AND			
7.2	CE or USFDA approved product certificate.			
8	Installation and Commissioning & User Training			
8.1	Supplier must accomplish proper installation and commissioning of the equipment onsite.			
8.2	Must provide user training (including how to use and maintain the equipment)			
9	Warranty & Maintenance Service During Warranty Period			

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
9.1	Comprehensive warranty for 1 years after acceptance			
9.2	During warranty period supplier must ensure preventive maintenance and corrective/breakdown maintenance whenever required			
10	Authorization			
10.1	Manufacturer's Authorization or Local Distributor Authorization (Manufacturer's Authorization to the main Distributor is also required in case of Local Authorization)			
11	Documentation			
11.1	User (Operating) manual in English			
11.2	Service (Technical / Maintenance) manual in English			
11.3	Certificate of calibration and inspection from factory.			
11.4	Shall accomplish all the Qualification Criteria of the bidder mentioned in the main bid document			