CSSD Autoclave, Horizontal 250 litres or more

S.N.	Purchaser's Specifications		Bidder's offer
	Autoclave, Horizontal		
	Manufacturer		
	Brand		
	Type / Model		
	Country of Origin		
1.	**Description of Function**		
1.1	An autoclave is equipped with integrated steam generator system for sterilization.		
2.	**Operational Requirements**		
2.1	Pre-vacuum or high-vacuum healthcare autoclave.		
2.2	Shall be used with distilled water.		
2.3	Shall be mains power operated.		
3.	**System Configuration**		
3.1	Autoclave, Horizontal 250L with complete accessories for CSSD.		
4.	**Technical Specifications**		
4.1	250 litres or more operating volume.		
4.2	Industrial immersion type water heater to generate steam within a reasonable period of time on 3 phase 50 HZ ac supply.		
4.3	Operating pressure: 1.2kg/cm2 to 2.1 kg/cm2 or better.		
4.4	Operating temperature: 121-134 °C or better.		
4.5	**Material of Construction:** • Triple walled construction. • Piping, fittings, Inner chamber, Jacket, Door: SS 304/316L. • Outer Chamber: SS 304 (insulated properly). • Steam generator: Non-corrosive SS /Chromium plated Brass. • Heater Plate: Brass/Stainless steel.		
4.6	Sterilization Chamber shall be insulated minimum of 50mm thick glass wool or ceramics or of equivalent material.		
4.7	Shall have temperature, pressure and vacuum gauges.		
4.8	Shall be easy to operate and user friendly.		
4.9	Heating: Direct steam, provided from an electrically-heated in-built generator.		
4.10	Pressure and temperature readable by normal vision.		
4.11	Carriages, trolleys, trays, baskets etc. for efficient transportation of goods pre and post sterilization. It shall be provided during installation		
4.12	**Safety Features:** • Self-locking safety door – cannot be opened when chamber is under pressure. • Gauge glass with safety valves. • Electrically operated pressure-controlled device. • Heat resistant door silicon gasket for steam tight sealing. • Low water protection system to protect the electric heaters. • Safety valve for the jacket.		

S.N.	Purchaser's Specifications	Bidder's offer
5.	**Accessories, spares and consumables**	
5.1	**Accessories:** • Spare heating element- 2 sets • Indicator tape – 5 pcs • Autoclave drums- 4 sets • Bowie dick test pack – 5 pcs • Door seal/ gasket – 1 pc • Distilled water plant of at least 30 Liters per hour capacity shall be provided. • Water filter- 1pc	
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 purchaser's country requirements. The power cable must be minimum 3 metres long.	
7.	**Standards and Safety Requirements**	
7.1	Must submit ISO 13485:2016 **AND**	
7.2	CE or USFDA approved certificate.	
7.3	Must submit IEC 61010-2-041 particular required for steam autoclave	
8.	**User Training**	
8.1	Must provide user training (including how to use and maintain the equipment).	
9.	**Warranty**	
9.1	Comprehensive warranty for 2 years after acceptance.	
10.	**Maintenance Service during Warranty Period**	
10.1	During warranty period supplier must ensure preventive maintenance and corrective/breakdown maintenance whenever required.	
11.	**Installation and Commissioning**	
11.11	The bidder must arrange for the equipment to be installed and commissioned by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.	
12.	**Documentation**	
12.1	Should submit original brochure or e-copy.	
12.2	User (Operating) manual in English.	
12.3	Service (Technical / Maintenance) manual in English.	
12.4	List of important spare parts and accessories with their part numbers and costing.	

S.N.	Purchaser's Specifications	Bidder's offer
12.5	Certificate of calibration and inspection from factory.	