Centrifuge

S.N.	Purchaser's Specifications	Bidder's Offer
	Centrifuge	
	Manufacturer	
	Brand	
	Type / Model	
	Country of Origin	
1	**Description of Function**	
1.1	Centrifuges are required in the Laboratory to separate various components of Blood and any other liquid sample for analysis	
2	**Operational Requirements**	
2.1	Aerodynamic compact construction for vibration free performance	
2.2	Table top version	
3	**System Configuration**	
3.1	Centrifuge complete with Swing and basic rotors.	
4	**Technical Specifications**	
4.1	Tube Capacity: No. at least 12: Size 5 – 15 ml	
4.2	Must have a digital timer Must display error code	
4.3	Must be vibration free	
4.4	Body Must be made of strong fabricated & corrosion resistant steel	
4.5	Control panel – for start/stop switch, dynamic brakes, step less speed regulator with zero start switch & speed indicator with timer and protective fuses.	
4.6	Must have Door interlock facility	
4.7	Maintenance-free brushless drive motor with exact speed pre selection and display.	
4.8	Speed range 500 to 4000 rpm or above	
5	**Accessories, spares and consumables**	
5.1	**Accessories:** • Tube Holders as appropriate	
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 shall be designed 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 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 13485:2016 for Medical Devices **AND**	
7.2	CE or USFDA approved certificate.	
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 from acceptance.	

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10	**Maintenance Service During Warranty Period**	
10.1	During the warranty period supplier must ensure planned preventive maintenance (PPM) and corrective/breakdown maintenance whenever required.	
11	**Installation and Commissioning**	
11.1	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	User (Operating) manual in English	
12.2	Service (Technical / Maintenance) manual in English	
12.3	Certificate of calibration and inspection as per manufacturer guideline.	
12.4	Manufacturer shall provide commitment letter for availability of spare parts for 5 years after warranty period.	