

Technical Specifications of Digital Water Bath

S.N.	Technical Specification	Bidder's Proposed Specifications	Page no. in technical datasheet	Deviation (If any)
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
1.0	Description of Function			
1.1	Water Bath is required to keep a sample agitated for long duration while maintaining a uniform temperature.			
2.0	Operational Requirements			
2.1	It shall be digital			
3.0	System Configuration			
3.1	Water bath with complete set of accessories			
4.0	Technical Specification			
4.1	Operation through key pad, with overall splash water protection.			
4.2	Bath tanks and all parts in contact with the bath liquid must be made up high grade stainless steel.			
4.3	Filling volume shall be around 20 litres.			
4.4	Working temperature range: Room temperature to 99 °C.			
4.5	There must be a display (LED/LCD) with actual value, set point, high/ low temperature, for shaking frequency and times with display resolution of 0.1 °C.			
4.6	Temperature stability must be +/- 0.2 °C.			
4.7	Temperature uniformity in the bath must be +/- 0.05 °C.			
4.8	Instrument shall have lift up bath cover.			
4.9	Shall be provided with the digital thermometer to monitor the temperature of the inner chamber			
5.0	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).			
6.0	Operating Environment			
6.1	The product offered shall be designed to be installed and to operate normally under the conditions of the purchaser's site. The conditions include Power Supply, Climate, Temperature, Humidity, etc.			
6.2	It Should be operated by 220V -230V AC 50/60Hz with line regulation of ±10% fitted with appropriate plug and the wire must be at-least 3m long.			




7.0	Certifications And Standards.			
7.1	Must submit ISO13485:2003/AC:2007 for Medical Devices AND			
7.2	CE (93/42 EEC Directives) OR USFDA approved product certificate.			
8.0	User Training			
8.1	The bidder must conduct user training for this equipment to enable operators to use the equipment properly. The training shall include the use of all operational functions of the equipment, as well as routine checks and maintenance expected by users.			
9.0	Warranty			
9.1	Comprehensive warranty for 1 year after acceptance.			
10.0	Maintenance Service during and After Warranty Period			
10.1	During warranty period supplier must ensure preventive maintenance and corrective/breakdown maintenance whenever required.			
10.2	The bidder must submit the letter of commitment regarding the availability of spare parts and accessories for next 10 years at the time of bidding.			
11.0	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.			
12.0	Documentation			
12.1	Bidder should provide user (Operating) manual in English (Hardcopy and CD).			
12.2	Bidder should provide Service (Technical / Maintenance) manual in English (Hardcopy and CD).			
12.3	List of important spare parts and accessories with their part number and costing.			
12.4	Bidder should be provide certificate of calibration and inspection from the manufacturer during installation.			


