Blood Bank Medical Equipment - Technical Specifications

1	Donor chair		
	Manufacturer: Origin: Model:	<u> </u>	
No.	Item Specifications	Compliance	Your Specifications
1	Comfortable chair type with soft padding for cushioning and rexin cover.		
2	Seat, back rest and leg rest size designed for donor comfort.		
3	It should have height adjustment approx $58 - 60$ cm.		
4	Adjustable arm rest for donor's comfort and phlebotomist friendly		
5	Easily tilted to head low position, manual operated		
6	Comfortable working level for the operator.		
7	Load capacity approx 150 kg.		
	Operating Environment		
1	The system offered shall be designed to be stored and to operate normally under the conditions of Sudan. The conditions include		
1	Power Supply, Climate, Temperature, Humidity, etc.		
	Standards & Safety Requirements		
1	Must submit ISO 13485:2003/AC: 2007 AND		
2	CE or USFDA approved product certificate.		
	User Training		
1	The Supplier shall conduct user training for this equipment to enable operators to use the equipment properly. The training shall		
1	include the use of all operational functions of the equipment, as well as routine checks and maintenance expected by users.		
	Warranty		
1	Comprehensive warranty for 2 years after acceptance.		
	Maintenance Service During Warranty Period		
1	During warranty period supplier must ensure preventive maintenance & corrective/breakdown maintenance whenever required.		
	Installation and Commissioning		
1	The bidder must arrange for the equipment to be installed by certified or qualified personnel; any prerequisites for installation to be		
1	communicated to the purchaser in advance, in detail.		
	Documentation		
1	User (Operating) manual in English.		
2	Service (Technical / Maintenance) manual in English.		
3	List of important spare parts and accessories with their part numbers and costing.		

2	Blood collection monitor		
	Manufacturer: Origin: Model:		
No.	Item Specifications	Compliance	Your Specifications
1	Should have a facility for gentle and uniform mixing of blood and anticoagulant.		
4	Should have facility to view the collection time		
5	Should have detachable tray for easy cleaning		
6	Should have motor activated clamping system and automatic clamping for low rate ,<20 ml/mt for more than 2 mts.		

8	Should have protection against Electrical shock.	
9	Oscillation details : 12+2 RPM, Motor driven	
10	Should have volume setting ranges from 50ml to 500m1 in step of 5 ml, Automatic stronge and recall of set volume.	
11	Should have a LCD display with backlight.	
12	Accuracy : + 2% of programmed volume	
13	Should have the following alarm indications	
14	Indication and audible alarm for debit flow when flow rate goes below 20 ml/mt or high flow rate above 180 ml/mt.	
15	Indications and audible alarm at the end of collection.	
16	Indications & audible alarm during power failure, LED blinking when battery low.	
17	Indications and audible alarm during power failure.	
18	Power supply : 220/240 V AC, 50Hz	
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Tube sealer		
Manufacturer: Origin: Model:		
Item Specifications	Compliance	Your Specifications
Should be a heavy duty tube-sealer capable of sealing tubes of various manufacturers of blood bag.		
Should be for bench-top .		
The sealing time should be adjustable between 0.5-5 seconds		
Sealing triggering should be automatic		
Should also have extended portable hand unit. Sealing hand should be with coaxial cable of 1.5 - 2.0 meter.		
Should have indication lamps for "Sealing Process" on handle as well as main unit.		
No warm-up time should be required.		
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8	Should ensure easy separation of tube segments after the sealing.	
9	System should run on both mains and battery (more than 10 hrs. back up and charger).	
10	Should be lightweight.	
11	Detection of wet tube, leakage & sealing defect. Alarm in case of seal not complete.	
12	Power supply : 220/240 V AC, 50Hz	
	Operating Environment	
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	Standards & Safety Requirements	
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	Maintenance Service During Warranty Period	
1	During warranty period supplier must ensure preventive maintenance & corrective/breakdown maintenance whenever required.	
	Installation and Commissioning	
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	Documentation	
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2	Service (Technical / Maintenance) manual in English.	
3	List of important spare parts and accessories with their part numbers and costing.	

4	Water bath		
	Manufacturer: Origin: Model:		
No.	Item Specifications	Compliance	Your Specifications
1	Digital Tempereture Control		
2	Capacity 20 liter		
3	Temp 30-100c		
4	With Mixing Unit		
5	Stainless Steel		
6	Safety Thermostat		
	Accessories		
7	Stainless Steel Racks		
8	Flat lids With Rings		
9	Cover		
10	Input power supply: $220 \pm 20 \%$ V AC , 50Hz		
	Operating Environment		

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5	Top Table Centrifuge		
	Manufacturer: Origin: Model:		
No.	Item Specifications	Compliance	Your Specifications
1	8x15 ml tube		
2	Speed: 3200- 6000 rpm		
3	Drive Motor Brushless Inculation		
4	Digital Display for speed of time		
5	Stainless Steel Chamber		
6	LID Lock		
7	Input power supply: $220 \pm 20 \%$ V AC, 50Hz		
	Operating Environment		
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	Standards & Safety Requirements		
1	Must submit ISO 13485:2003/AC: 2007 AND		
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	Maintenance Service During Warranty Period		

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2	Service (Technical / Maintenance) manual in English.	
3	List of important spare parts and accessories with their part numbers and costing.	

6	Cold Centrifuge		
	Manufacturer: Origin: Model:		
No.	Item Specifications	Compliance	Your Specifications
1	Stainless steel housing		
2	Maximum speed around: 5000 (RPM)		
3	Maximum RCF(FORCE): 8500 RCF		
4	Capacity 12x450 500 ml,swing-out rotor		
5	Lid locking and holding		
6	Rotor: Number p-rotor 12		
7	Emergency lid lock release		
8	Motor overheating protection		
9	Imbalance switch-off		
10	Standstill indication		
11	Refrigerated centerifuge		
12	temp:controlable from -20c to +40c		
13	Input power supply: 220 ± 20 % V AC , 50Hz		
	Operating Environment		
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1	Comprehensive warranty for 2 years after acceptance.		
	Maintenance Service During Warranty Period		
1	During warranty period supplier must ensure preventive maintenance & corrective/breakdown maintenance whenever required.		
	Installation and Commissioning		
1	The bidder must arrange for the equipment to be installed by certified or qualified personnel; any prerequisites for installation to be		
1	communicated to the purchaser in advance, in detail.		
	Documentation		

1	User (Operating) manual in English.	
2	Service (Technical / Maintenance) manual in English.	
3	List of important spare parts and accessories with their part numbers and costing.	

7	Manual Plasma Extractor		
	Manufacturer: Origin: Model:		
No.	Item Specifications	Compliance	Your Specifications
	Description of Function		
	Suitable for manually separating plasma from all types of blood collection bags.		
	Operational Requirements		
	Manual Plasma Extractor (Plasma Separation Stand) complete system.		
	System Configuration		
	Manual Plasma Extractor (Plasma Separation Stand) complete system.		
	Technical Specifications		
4.1	Spring loaded bag holder. Ensure that bag stays in position.		
4.2			
	Mode of operation – manual.		
4.4	Acrylic pressure / plate.		
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		
	The system offered shall be designed to be stored and to operate normally under the conditions of Sudan. The conditions include		
	Power Supply, Climate, Temperature, Humidity, etc.		
	Standards, Safety and Training		
7.1	Must submit ISO 13485:2003/AC: 2007 AND		
7.2	CE or USFDA approved product certificate.		
8	User Training		
	The Supplier shall conduct user training for this equipment to enable operators to use the equipment properly. The training shall		
8.1	include the use of all operational functions of the equipment, as well as routine checks and maintenance expected by users.		
9	Warranty		
	Comprehensive warranty for 2 years after acceptance.		
10	Maintenance Service During Warranty Period		
	During warranty period supplier must ensure corrective/breakdown maintenance whenever required.		
11	Installation and Commissioning		
11.1	Supplier must accomplish proper installation & commissioning of the equipment on site.		
12	Documentation		
12.1	User (Operating) manual in English.		
	Service (Technical / Maintenance) manual in English.		
12.3	List of important spare parts and accessories with their part numbers and costing.		
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