Electric Suction Pump, (Surgical Aspirator)

S.N.	Purchaser's Specifications
	Electric Suction Pump, Twin type (Surgical Aspirator)
	Manufacturer
	Brand
	Type / Model
	Country of Origin
1	**Description of Function**
1.1	To extract fluid from the body during surgery or emergency treatments.
2	**Operational Requirements**
2.1	An electric double jar suction pump for surgical use.
3	**System Configuration**
3.1	Suction machine with two bottles and accessories.
4	**Technical Specifications**
4.1	It shall be mounted on four robust, fully 360 degree swivelling, antistatic, non-marking grey tires castors, minimum size 75 mm with at least 2 diagonal brakes.
4.2	Come with suction controller and vacuum gauge / indicator.
4.3	The pump shall be oil free vacuum pump where the pumped liquid shall be sealed off from the pump.
4.4	Come with overflow control valves. Bidder shall provide technical design and details of the pump with this TSF
4.5	Vacuum rate shall be from 0 to not less than 640 mmHg (0.85 bars).
4.6	Air flow rate shall be at least 25 l/min.
4.7	The pump shall come fitted with twin unbreakable, transparent, autoclaveable polycarbonate suction bottles minimum 2 litre each.
4.8	The bottles shall be incorporated with an automatic suction cut-off mechanism when they become full.
4.9	The suction bottles shall come with overflow lid.
4.10	Noise level: not more than 55 dBA.
4.11	Air discharge from pump shall be filtered by a 0.3 micron bacterial hydrophobic filter.
5	**Accessories, spares and consumables**
5.1	**Accessories:** ● Electrical cable: 1 minimum 3 meter length ● Clear suction tubing: 1 set of 5 meter length ● Bacterial filter: 0.3 micron, 10 pcs ● unbreakable, transparent, autoclaveable polycarbonate suction bottle 2L: 1pc ● Complete connection tubing set: 1 set
6	**Operating Environment**
6.1	The product offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.
6.2	Must operate on 220-240V AC as well as rechargeable batteries.
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-60601-1-2 General Requirements of Safety for equipment.
8	**User Training**

8.1	Not applicable.
9	**Warranty**
9.1	Warranty for 1year.
10	**Maintenance Service During Warranty Period**
10.1	During warranty period supplier must ensure corrective/breakdown maintenance whenever required.
11	**Installation, Inspections and Commissioning**
11.1	Must supply preassembled unit, ready to use.
11.2	Inspections to verify the compliance of the offered equipment as per specifications will be conducted by the technical team appointed by the purchaser.
12	**Documentation**
12.1	User (Operating) and Service (Technical/Maintenance) manuals to be supplied in English.
12.2	Certificate of calibration and inspection.
12.3	List of important spare parts and accessories with their part numbers and costing