ECG Machine, Portable (12 Channel)

S.N.	Purchaser's Specifications		Bidder's Offer
	ECG Machine, Portable (12 Channel)		
	Manufacturer		
	Brand		
	Type / Model		
	Country of Origin		
1	**Description of Function**		
1.1	ECG Machine is primary equipment to record ECG Signal in various configurations.		
2	**Operational Requirements**		
2.1	Portable digital ECG machine must be able to acquire all 12 Leads simultaneously.		
3	**System Configuration**		
3.1	Portable digital ECG machine with complete accessories		
4	**Technical Specifications**		
4.1	Simultaneous recording of 12 standard leads: aVR, aVL, aVF, I, II, III and V1-6 pre-cordials.		
4.2	Internal memory for data storage.		
4.3	Aalphanumeric keyboard to enter name with function keys.		
4.4	Continuous check on the quality of electrodes connection, audio visual alert on loss of signal		
4.5	Appropriately protected for operation during defibrillation.		
4.6	Display, 5 inches or more Display shows ECG-curves, heart rate, patient name and ID, time, speed and filter setting.		
4.7	Front panel provides indication of system and battery status, electrode connection.		
4.8	Thermal Printer		
4.9	Print-out on folded thermo-reactive paper, format A4 or Z-fold or rolled		
4.10	Number of channels printed is user selectable: 3, 6 or 12.		
4.11	Paper speed, user adjustable: 5, 25 and 50mm/sec or more.		
4.12	Sensitivity, automatic or user selectable: 5, 10 and 20mm/mV or more		
4.13	Rechargeable Battery with battery back up of at least 2 hours of continuous operation		
5	**Accessories, spares and consumables**		
5.1	**Accessories:** • Patient cable-1 no. • Reusable chest electrodes, suction ball-type- 6 nos. • Extremity clamp electrodes, reusable- 4 nos. • Box recording paper, 100 sheets- 1 no. • Bottles of electrode gel, approximately 350ml- 2 nos. • Spare rechargeable battery pack- 1 no. • Set of spare fuses- 1 set • Plastic protective dustcover- 1 no. • Dedicated cart trolley from same manufacturer-1 no.		
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).		

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6	**Operating Environment**	
6.1	The system 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	Power supply: 220–240V AC, 50Hz fitted with appropriate plug type D round 3 pins. The power cable must be at least 3 metre in length.	
7	**Standards and Safety Requirements**	
7.1	Must submit ISO 13485:2016 **AND**	
7.2	CE (MDD Directive 93/42/EEC if applicable with extension or MDR 2017/745) and USFDA-approved product certificate. Self-declared CE is not valid.	
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 the warranty period supplier must ensure corrective/breakdown maintenance whenever required.	
11	**Installation and Commissioning**	
11.1	Supplier must accomplish proper installation and commissioning of the equipment on site.	
12	**Documentation**	
12.1	User (Operating) manual in English	
12.2	Service (Technical / Maintenance) manual in English	
12.3	Certificate of calibration and inspection from factory as per manufacturer guideline	
12.4	Letter of commitment from principal manufacturing company regarding the availability of spare parts and accessories for next five years after the completion of warranty period	