Defibrillator

S.N.	Purchaser's Specifications		Bidder's Offer
	Defibrillator		
	Manufacturer		
	Brand		
	Type / Model		
	Country of Origin		
1	**Description of Function**		
1.1	Defibrillator is required for reviving the heart functions by providing selected quantum of electrical shocks with facility for monitoring vital parameters.		
2	**Operational Requirements**		
2.1	Used in emergency & critical care departments to meets various resuscitation and monitoring needs.		
3	**System Configuration**		
3.1	Defibrillator must be Biphasic, light weight and latest model with complete accessories.		
4	**Technical Specifications**		
4.1	Shall have both AED (automated external defibrillator) and Manual capabilities.		
4.2	System shall be user friendly, lightweight and easily transportable.		
4.3	The defibrillation shock is delivered using biphasic waveform which delivers a lower range of energy shocks ranging from 8 to 260 joules.		
4.4	Shock delivery through multifunction defibrillator electrode pads or paddles.		
4.5	Able to perform synchronized cardioversion		
4.6	The AED must be able to start analysis automatically or prompt the operator to press "start analysis".		
4.7	AED function must provide both ***audible*** and ***visual indication*** of the presence of, or a change to a potentially shockable rhythm.		
4.8	Can be used for paediatric and adult defibrillation.		
4.9	Shall have an electrode contact-quality indicator to minimize the risk of ineffective defibrillation.		
4.10	Shall have 3-lead or 5 lead ECG monitoring capability.		
4.11	Operates on AC power supply or internal battery.		
4.12	Shall have battery back-up facility		
4.13	Shall have rechargeable battery back-up facility. Fully charged battery shall deliver 40 discharges or more.		
4.14	Shall have built in thermal printer		
4.15	**Control Panel** • Control panel shall have a high-resolution LCD with at least 5" with bright back-light display. • Bidder to specify size of LCD screen and the no. of waveforms which can be displayed. • Audio and visual alarms shall be provided. • Audible indication shall be available during AED mode. • Must be able to display ECG, HR indicator, battery status, shock indicator. • HR limit and shockable rhythms alarms shall be provided.		
4.16	Energy dischargeable buttons shall be provided on the unit.		
4.17	Charge shall not be held longer than 10 secs before discharge.		
5	**Accessories, spares and consumables**		
5.1	Disposable self-adhesive defibrillator pads for adults complete with cable and connector x 10 sets		

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5.2	Disposable self-adhesive reduced energy defibrillator pads (as required) for paediatric complete with cable and connector x 3 sets	
5.3	3 or 5 lead ECG cable x 1 set for ECG monitoring.	
5.4	Disposable ECG electrodes x 50 pcs	
5.5	Carry Bag/case x 1 set	
5.7	Thermal paper x 10 rolls/sets	
5.8	Power cord x 1 set	
5.9	Rechargeable Battery x 1 set	
5.10	External Paddles for Adult & Children x 1 set	
5.11	Dedicated cart trolley from the same manufacturer	
5.12	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 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 work on 220-240V/ 50 Hz AC Single phase fitted with appropriate plugs and sockets. The mains cable minimum 3 meter long.	
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) or USFDA-approved product certificate. Self-declared CE is not valid.	
8	**User Training**	
8.1	The Supplier shall 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	**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 planned preventive maintenance (PPM) along with 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 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.	