Patient Monitor

S No.	Purchaser's Specifications		Bidder's Offer
	Patient Monitor		
	Manufacturer		
	Brand		
	Type/Model		
	Country of Origin		
1	**Description of Functions**		
1.1	A bedside patient monitor to monitor physiological parameters of patients in the critical care units or operating theatres.		
2	**Operational Requirements**		
2.1	It shall operate on AC power supply as well as built-in battery.		
3	**System Configurations**		
3.1	Seven parameters patient Monitor, portable with complete accessories.		
4	**Technical Specifications**		
4.1	It shall have touch screen display measuring not less than 12 inches which provides easy and intuitive operation		
4.2	Shall be able to measure, monitor and display ECG, Heart Rate (HR), Respiration Rate (RR), SpO2, NIBP,2 channel IBP, EtCo2 and Temperature simultaneously.		
4.3	Display waveform: ECG, IBP, SpO2, RR and EtCo2		
4.4	Numeric data display: heart rate / pulse rate, respiration rate, NIBP (Systolic, Diastolic, Mean), SpO2 and current time of NIBP measurement.		
4.5	It shall have soft-touch keys, press and turn key which shall be durable and easy to clean.		
4.6	With storage of at least 24 hours of trend data in 30-second sampling resolution for all monitored parameters to be displayed graphically and in tabular form.		
4.7	It shall be fanless design which reduces the risk of cross contamination.		
4.8	It shall be portable and suitable for all patient categories neonatal, infant and adult.		
4.9	The monitor should be able to configure automatically for new parameters as they are connected		
4.10	It shall have sweep, adjustable 12.5, 25 or 50mm/second.		
4.11	Sensitivity (amplitude) of all signals user adjustable.		
4.12	Standardising marker, 1mV.		
4.13	Shall have user pre-set of high/low alarms on all monitored parameters.		
4.14	Audio visual alarm in case measurements are outside pre-set range.		

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4.15	Shall have silencing feature for audio alarms.	
4.16	Real-time ST complex view and comparison	
4.17	Shall have defibrillator sync and protection during defibrillation. Additionally, it must be protected from ESU	
4.18	Shall have pacemaker detection/rejection.	
4.19	Display shall have facility to report system errors, leads and sensors failure and built-in battery status.	
4.20	Autonomy of built-in rechargeable battery approximately 3 hours, automatic recharge when connected to mains	
4.21	Automatic switch to batteries in case of power failure.	
4.22	The monitor should have the interfacing connectors like, 1 AC power connector, 1 RJ45 network connector, 2 USB 2.0 connector, 1 multi-functional output connector (output ECG, nurse call, and defibrillation sync. Signal).	
5	**Accessories, Spare Parts 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).	
5.2	**NIBP accessories**	
5.2.1	NIBP hose (1 no. x adult,1 no. x paediatric, 1 no. x neonate)	
5.2.2	Blood pressure cuff (1 no. x adult,1 no. x paediatric, 1 no. x neonate)	
5.3	**ECG accessories**	
5.3.1	Patient cable extremities (1 no. x adult,1 no. x paediatric, 1 no. x neonate)	
5.3.2	Set of electrodes (1 no. x adult,1 no. x paediatric, 1 no x. neonate)	
5.4	**Temperature accessories**	
5.4.1	2 x Skin temperature probes (including connection cable)	
5.5	**EtCo2 accessories**	
5.5.1	1 x Side stream EtCo2 (including water trap and gas sampling line)	
5.6	**IBP accessories**	
5.6.1	2 x IBP Cable	
5.6.2	2 x PM kit	
5.7	**Pulse oximetry (SpO2) sensors**	
5.7.1	1 no. x Adult,1no. paediatric, reusable clip-on type, 1 x nos. neonate reusable wrap on type	
5.8	**Wall mount (from the same manufacturing company)-1 no.**	
6	**Operating Environment**	
6.1	The system offered shall be designed 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. The power cable must be at least 3m in length.	
7	**Standards & Safety Requirements**	

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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	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 guidelines.	
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	