1 HOLT	1. HOLTER RECORDER UNIT		
S.N.	Technical Specifications		
V	Manufacturer:		
nga manan kan man kan kan kan kan kan kan kan kan kan k	Brand:		
	Type/Model:		
	Country of origin		
1	DESCRIPTION OF FUNCTION		
1.1	It is used to evaluate the presence of "erratic heart beats" or arrhythmias in patients with or without symptoms. Also to evaluate the effect of medications, to evaluate pacemaker function. It is also used to assist in the detection of narrowed arteries in the heart, which may result in inadequate blood supply to the heart muscles.		
2	OPERATIONAL REQUIREMENTS		
2.1	Holter Monitor with three channel digital recorder with removable or inbuilt storage media such CF Card and operating with rechargeable battery.		
3	SYSTEM REQUIREMENTS		
3.1	Holter Monitor unit with recording and analysis software, complete with accessories		
4	TECHNICAL SPECIFICATIONS		
4.1	Shall be PC based Holter monitoring and analysis software capable of working with latest windows configuration (windows 10 or above)		
4.2	Shall be 12 lead Holter recorder with simultaneous acquisition of data from all leads (10 or 12 ECG lead cable) and recorded for upto 48 hours or more.		
4.3	Shall have full disclosure of ECG waveforms with different colour coding for different clinical events.		
4.4	Shall have feature to highlight arrhythmia segment in different colors to be distinguishable.		
4.5	Shall have multiple templates for editing to analyse VE, SVE, V-RUN, SV-RUN, PAUSE, ST.		
4.6	Shall detect and analyze Atrial fibrillation/ Atrial Flutter.		
4.7	Shall have Pace Maker auto detection and analysis.		
4.8	Shall have ST scan and analysis.		
4.9	Shall have QT analysis with validation.		
4.10	Shall provide tachycarda, bradycardia and pause detection.		
4.11	Shall have artifact detection and deduction feature to provide noise free waveforms.		
4.12	Shall have removable SD eard with adapter for data transferring or inbuilt memory.		
4.13	Shall have rechargeable battery with long life. Shall support the entire recording without the need for battery replacement.		
4.14	Shall have rechargeable battery with long life.		



	Shall have storage of each leads data for 24 hours for upto 2 days with no data compression
1.15	Shall have storage of each leads data for 27 hours heavy duty durable and with water
	needed for patients with irregular arrthymas. Shall be light weight (preferable less than 140gms), heavy duty, durable and with water
1.18	Shall be light weight (picterable less than a
	ingres protection. Digital recorder shall have sampling frequency of 32000 samples/sec/channel or better Digital recorder shall have sampling frequency of 32000 samples/sec/channel for standard recording and
4.19	Digital recorder shall have sampling frequency of 32000 samples for pacemaker spike detection, 180samples/sec/channel for standard recording and
	storage.
4.20.1	Shall have facility to entry patients name and ID.
4.20.2	Shall have facility to review, edit and exports reports. Shall have facility to review, edit and exports reports.
4.20.3	Shall have fast processing with availability to download EOG data
4.20.4	Shall be capable of exporting ECG reports in HL7 format or PDF for secure email
	transfer. Shall accept multiple number of recorder (if needed later). So, hospital can only purchase
4.20.5	Shall accept multiple number of recorder (in needed later).
	the separate Holter unit.
4.20.6	Shall have facility to color print ECG waveforms. Shall have facility to color print ECG waveform noise corrections.
4.20.7	Shall have tools for clinical diagnosis, waveform noise corrections. Shall have tools for clinical diagnosis, waveform and measure it on screen.
4.20.8	Shall have tools for clinical diagnosis, waveform home care. Shall have facility to magnify any segment of the waveform and measure it on screen.
4.20.9	Shall have lead quality check feature.
5	ACCESSORIES, SPARES, CONSUMABLES
5.1	
5.2	Shall provide ECG cable - 2 sets PC of latest configuration with 24" LCD or LED monitor, CPU of i5 processor, 4 GB RAM,
0.2	256 GB SSD-01 no.
5.3	HP Colour laser printer- 01 no.
5.4	Rechargeable battery - 2 sets
5.5	Battery charger - 1 sets
	Holter analysis software - 1 pc
5.6	Holter belt - 2 pcs
	THE REAL PROPERTY AND ADDRESS OF THE PARTY AND
5.8	
5.9	All standard accessories, consumables and parts required to operate included in the 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	
6,1	The product offered shall be designed to be stored and to operate normany and conditions of the purchaser's country. The conditions include Power Supply, Climate
	Temperature, Humidity, etc. STANDARDS AND SAFETY REQUIREMENTS
7	STANDARDS AND SAFETT REQUIREMENT



.1 N	1 SO 13485:2003/AC:2007 (from EU Notified Body) for Medical Devices OR
.2	CE (93/42 EEC Directives) (from EU Notified Body) and USFDA approved (510K) product certificate.
7.3	Shall meet IEC-60601-2-47 General Requirements of Safety for Electromagnetic Compatibility or must comply with 89/366/EEC; EMC directive
3	ED AINING
3.1	Must provide user application training (including how to use and maintain the equipment) until complete familiarity to the concerned department and bio maintenance staff by authorized trained company engineer. ((Mandatory, unable to perform shall result in disqualification)
8.2	Must provide service training (installation, assembling, disassembling, routine check, preventive maintenance, first level trouble shooting) to Bio medical staffs by trained company engineer onsite with certificate of training completion. (Mandatory, unable to perform shall result in disqualification)
9	THE DISTRICT OF THE STATE OF TH
9.1	Comprehensive warranty for 3 years on the system and followed by 2 years of free servicing.
9.2	The warranty starts from the day of complete satisfactory of installation of
10	MAINTENANCE DURING SERVICE PERIOD
10.1	During warranty period supplier must ensure corrective/breakdown maintenance
10.2	Four preventive maintenances shall be performed annually through out warranty period.
10.3	95% uptime shall be guaranteed.
11	CHADANTEE
11.1	The bidder must ensure the service and complete spare parts support for 10 years of the system, including accessories.
12	MAINTENANCE CONTRACT PROPOSAL
12.1	A written document for AMC (Annual Maintenance Contract) and CMC (Comprehensive Maintenance Contract) to be submitted separately. (Mandatory)
13	INSTALLATION INSPECTION, COMMISSIONING
13.1	The bidder must arrange for the equipment to be installed and commissioned be certified or qualified personnel; any prerequisites for installation to be communicate to the purchaser in advance, in detail
13.2	Inspections to verify the compliance of the offered equipment as per specification will be conducted by the technical team appointed by the Hospital.

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3.3	The job description of Hospital technical team and Company Service Engineer shall be clearly spelt out. Shall provide routine check manufacturer checklist. (Mandatory)
14	DOCUMENTATION
	- Lieb both printed form and CD. (mandatory)
14.1	Service (Technician/Maintenance) manual in English both printed
	(mandatory) Certificate of calibration and inspection from the factory, (mandatory) Certificate of calibration and inspection from the factory, (mandatory)
14.3	
14.4	part numbers to be used with the system applicable for 2 years
14.5	Bidders shall mention model number and provide availability chart of Test to enargh and highlight mentioning page no. with original catalogue having specification as provided by the manufacturing company. Photocopy, Scan copy or self-made
14.6	Company must mandatorily (compulsorily) provide Authorization letter from parent (Origin) company to prove that they have been legally authorized for dealership (Sales/ Service) of that particular equipment in Nepal.

NOTE: Bidder must completely fill the Technical Specification Form (TSF). Only Yes/no/all complies should not be written. Page number in the catalogue of all the required parameters must be clearly mentioned and highlighted. Failure in doing so shall lead to rejection of bid from technical committee.

Er. Abhinav Anand Dutta Biomedical Engineer NEC No.: 87794