


## Technical Specification

### Specification of ECG 12-Channel Electrocardiograph


S.N.	Purchaser's Specification (Tamakoshi Hospital)	Bidders' Compliance Sheet		
		Yes/No	Pg. No. Catalogue	Remarks
	Brand			
	Type/Mode			
	Country of Origin			
1	<b>Design</b>			
1.1	8" high resolution color touch screen			
1.2	Alphanumeric keyboard			
2	<b>Workflow</b>			
2.1	One-touch operation with age and gender shortcuts			
2.2	Support linear/2D barcode scanner			
3	<b>Clinical Performances</b>			
3.1	Weak signal detection with the advanced 24-bit A/D converter technology			
3.2	Anti-noise technology with comprehensive filters and high CMRR over 140dB			
3.3	ECG Signal Quality Indication			
3.4	120s real-time ECG waveform freezing and review to assist diagnosis			
3.5	Automatic measurements and interpretation tested with CSE/AHA/MIT databases			
3.6	Extend printing once arrhythmia is detected for further rhythm analysis			
3.7	Built-in Glasgow Interpretation			
3.8	Advanced ECG analysis: Vector ECG			
4	<b>Printing Solutions</b>			
4.1	Built-in high resolution thermal recorder to print on normal thermal paper and A4 size fax paper			
4.2	Support external USB printer			
5	<b>Data Management</b>			
5.1	Internal storage up to 800 ECGs and can be enlarged by USB flash disk			
5.2	SE-1515 Data Management System software for data management on PC			
6	<b>Communications</b>			
6.1	DATA transmitting to PC via LAN/ internal Wi-Fi (Wi-Fi is optional)			
6.2	Report formats: PDF and optional SCP/FDA-XML/DICOM data export			
6.3	Bi-directional data communication with DMS			
7	<b>User Training</b>			
7.1	Must provide user training (including how to use and maintain the equipment).			


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8	<b>Warranty</b>			
8.1	Comprehensive warranty for 2 year.			
9	<b>Maintenance Service During Warranty Period</b>			
9.1	During the warranty period, supplier must ensure planned preventive maintenance (PPM) and corrective/breakdown maintenance whenever required.			
10	<b>Installation and Commissioning</b>			
10.1	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.			
11	<b>Documentation</b>			
11.1	User (operating) manual in English			
11.2	Service (Technical/Maintenance) manual in English			
11.3	List of important spare parts and accessories with their part number and costing			
11.4	Certificate of calibration and inspection from factory			
12	<b>Standard and Safety Requirements</b>			
12.1	This unit shall be certified to meet ISO13485			
12.2	Shall meet IEC 61010-2 for electrical safety requirements.			
12.3	USFDA and CE approved certificates			
<p>The bidder must completely fill out the Technical Specification Form (TSF). Only Yes/No/All complies should not be written. The page number in the catalog of all the required parameters must be mentioned and highlighted. Failure to do so may lead to the rejection of the bid from the technical committee.</p>				


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