

No. IV-17017/13/06-Prov.I
Government of India
Ministry of Home Affairs

Jaisalmer House, Man Singh Road,
New Delhi, 27.10.2006

To


The DGs: Assam Rifles/BSF/CISF/CRPF/ITBP/NSG/SSB/BPR&D

Subject:- Finalization of QRs/specifications for Medical Equipments.

The QRs of the following Medical Equipments have been finalized and accepted by the MHA:-

- (i) Computerized interpretative ECG Machine.
- (ii) Semi Auto Blood Analyser
- (iii) Haematology Analyser
- (iv) Elisa Reader

2. Henceforth, all the CPMFs should procure the above items required by them strictly as per the laid down QRs/Specifications.


(Alok Mukhopadhyay)
Under Secretary(Prov-I)

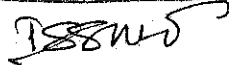
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DD(Procurement),MHA

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2. Dir(Prov), MHA

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**TECHNICAL SPECIFICATION OF
COMPUTERISED INTERPRETIVE ECG MACHINE**

1	Multi channel ECG Recording.	
2	Storage memory for storing ECGs for later printing.	
3	Automatic and manual recording modes.	
4	Dual power Supply-Mains & Battery operation	
5	Built in rechargeable battery	
6	Power supply range	AC 230V+/- 10%
7	Power consumption	Less than 12 W
8	Battery (built-in)	Rechargeable NIMH batteries 10X 1.2 volts , 1500 mAh
9	Battery Capacity	Minimum 1 hour
10	Battery indicator	Yes
11	Battery low indicator	Yes
12	Operating temperature	10 to 40 deg.C
13	Safety standard	Compliant to Class I type CF, CE 0470
14	ECG Acquisition	11 bits, 1000 samples/sec/Channel Printing and Filters
15	ECG leads	Standard 12 leads
16	Recording sensitivity	Manual mode 2.5-5-10-20mm/m V+/-5% Automatic according to number of Channels
17	Filters	Main & Muscle Interference modified digital notch 50-60 Hz.
18	Anti drift filter	Digital 0.5 Hz Anti Drift High Pass linear Phase filter always enabled and cannot be switched off
19	Input Dynamics	+/-300mV@ 0 Hz+/-5mV in the Pass band
20	Input impedance	> 100 M ohms
21	Time constant	>3.2 seconds
22	CMRR	> than 100 dB @ 50Hz
23	DF Protection	Built in
24	Recording system	Thermal printer .8 dots/mm.110 mm usable print width
25	Thermal paper compatible with system	100 Nos
26	Paper transport speed	5-25-50 mm/sec+/- 5 sec.
27	Patient cable	1 No
28	Chest electrodes	6 Nos
29	Limb Electrodes	4 Nos
30	Gel bottle	25 No
31	User manual	1 No.
32	Battery charger	1 No.
33	Full system Guarantee (comprehensive plan onsite)	5 Years
34	To Quote AMC Rates for next	5 Years

KTC
 P. S. to Dir
 DIB, General
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Presiding Officer
 Dr. NEERAJ RANJIT
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Member - III
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