

No. IV-17017/13/06-Prov.1
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-1)

Copy to:-

DD(Procurement),MHA

Copy for information to:-

1. PS to JS(PM),MHA
2. Dir(Prov), MHA

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~~ISSUED~~

APPENDIX-B
REVISED TECHNICAL SPECIFICATION/QRS AFTER AMENDED AND VETTED BY
SAFDARJUNG HOSPITAL, NEW DELHI.

(TECHNICAL SPECIFICATION OF SEMI-AUTOMATIC BLOOD ANALYZER)

Essential Specifications

1	Dual mode-flow cell and cuvette	
2	Built in voltage stabilizer.	
3	Specially designed Cuvette block with Peltier controller for Temperature regulation.	
4	Capable of saving tests with QC Graph.	
5	Option to enter Patient ID.	
6	Monochromatic and Bi-chromatic readings.	
7	Selectable temperature- 37 Degree, 30 Degree or 25 Degree C.	
8	Calculation of results either by factor or by standard concentration.	
9	Versatile software to calculate the Delta OD on screen.	
10	Built in Thermal Printer	
11	Monitors Cuvette block temperature.	
12	Operator interface	Touch keys
13	Linear measurement range	0.000 to 2.5 Absorbance Units (A)
14	Optical measurement	Silicon Photodiode
15	Type of filter	Static photometer
16	Wave Length	340,405,510,546,578 and 630nm & Two optional positions.
17	Half Bandwidth	10nm +/-2nm
18	Filter Selection	Automatic
19	Cuvette/Flow cell	Supports both cuvette and flow cell
20	Flow cell Sipping Volume	500 MicroL
21	Flow cell Volume	18 MicroL
22	Sipping mode	Automatic
23	Cuvette Volume	300-500 MicroL
24	Temperature control of Cuvette/flow	By Peltier element.
Cell Block		
25	Light Source	Tungsten Halogen 6 V,10W with Life Saving features.
26	Display	Graphics LCD
27	Analysis Mode	Absorbance, End Point, Fixed Time, Kinetic Differential, Ratio
28	Memory Capacity	64 KB-Non volatile RAM with Battery backup
29	RS232 serial port	9600 baud, 1 start,8 data,1 stop, no parity bits
30	Wattage	50 Watts
31	Operational Temperature	From-10 degree C to +37 degree C
32	Relative Humidity	Upto 85%
33	Semi Micro Cuvetts	25 Nos. with each unit.
34	Paper Roll Thermal	25 Rolls with each unit.
35	Variable volume pipette	
	2 ul to 20 ul	1 No. with each unit
	5 ul to 50 ul	1 No. with each unit

CTC
Attested
Dr. P. S. Singh
5/10/98
Director
Lab. Dept.
Safdarjung Hospital
New Delhi

10/11/98

	50 ul to 100 ul	1 No.	with each unit
	100 ul to 1000 ul	1 No.	with each unit
36	Compatible UPS for the system		
37	Full system Guarantee (Comprehensive Plan on site)		for 60 months
38	AMC Rates to be quoted for next		60 months
39	Biochemistry reagents (standard kit)		
	Blood Urea		1 kit each
	S. Creatinine		1 kit each
	Uric Acid		1 kit each
	S. Bilirubin		1 kit each
	Alkaline Phosphatase		1 kit each
	SGOT		1 kit each
	SGPT		1 kit each
	Amylase		1 kit each
	Cholesterol		1 kit each
	HDL		1 kit each
	Triglyceride		1 kit each
	Protein		1 kit each
	Albumin		1 kit each
	Calcium		1 kit each
	Blood Sugar		1 kit each

Desirable :-

1.	Real Time Clock.		
2.	Compatible hardware and software for printing and data storage	1 No with each unit.	

True copy
attested

11.10.26

14 दिवस (दिनांक) के निजी सचिव
P. S. to Director (Medical)
1 सुविधाएँ/सचिव, दिल्ली
Ete. General, P.O. ...
संकेत दिनांक ...

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11/10/26
R.K. ...