

26, Man Singh Road, Jaisalmer House,
New Delhi, 29.7.2010

To, ¹¹⁰⁴ ^{P.B.No-5/07} ^{11/02 5/08 5/07}
The DGs: Assam Rifles/BSF/CISF/CRPF/ITBP/NSG/SSB/BPR&D

Subject:- Specifications of various Medical/Hospital Equipments, Laboratory equipments and Laundry equipments -regarding

Sir,

The Specifications for the following Medical/Hospital Equipments, Laboratory equipments and Laundry equipments have been accepted and approved by the Competent Authority in MHA and the same are enclosed for information and Record:-

1. Condom Vending Machine- Annex-I

2. Flowcytometer- Annex-II

3. **Laboratory Equipments**

a) Coagulation Analyzer- Annex-III

b) Glycosylated Haemoglobin/Micro Albumin/CRP/D-Dimmer Analyzer-IV

c) Urine Analyzer – Annex-V

d) Semen Quality Analyzer- Annex-VI

e) Auto Pipette System- Annex-VII

f) Anaesthesia Work Station- Annex-VIII

4) **Laundry equipments**- Annex-IX

a) Washing Machine

b) Drier Washing Machine- 30 Kg (Moderate size)

c) Heavy Electric Press(Hand Operated)

d) Hydro Extractor

e) Table for pressing hospital linen

g) Sluice machine

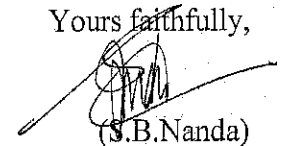
h) Laundry Trolley

i) Bulk sterilizer electric for sterilizing linen and mattresses

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

Yours faithfully,




(S.B.Nanda)

Under Secretary to the Govt. of India

Encls: as above


Copy to:-DD(Procurement),MHA

Copy for information to:-PS to JS(PM),MHA

TECHNICAL SPECIFICATION FOR AUTO CD3/CD4/CD8 FLOWCYTOMETER

1. The system should be portable bench top flowcytometer, occupying minimum space.
2. The detection system should have a solid state green laser for high sensitivity. The emission wavelength used in the system should be 532 nm. Their excitation & emission optics should be fixed aligned.
3. The system should be capable of measuring the absolute no. of CD4/CD8 lymphocytes precisely & accurately in whole blood samples. The system should be able to report the absolute no of CD8 T Lymphocytes only when required.
4. Software should be provided for reporting on the same platform CD4 T Cells as a percent of total lymphocytes for pediatrics patients.
5. The optical system used in the system should not require any user alignment & it should not require any user intervention. Photomultiplier tubes should be used as part of the system for fluorescence detection.
6. Fluidics should be such that reagents consumption is minimum.
7. The System should have the capacity of performing up-to 3 parameters measurement with two Florescence detectors. It should have capability of detecting PE & Perc P, for CD4 & CD8 testing. Emission wave length should be in the range of 500 - 750 nm.
8. The System should have data station of reputed make viz.computer. The computer should be connectable to the in built-in or external printer. It should be able to store data files for subsequent review analysis.
9. The system should be able to work on sample volumes less than 50µl with minimal wastage
10. Calibration check should be there.
11. The system should preferably be upgradable.
12. Accessories to be provided with the system
 - a. Required Automated Pipettes of reputed company having Calibration certificate
 - b. Vortex Mixture
 - c. Compatible UPS with backup of Atleast 30 minutes
13. Free installation of the equipment at site & training of Manpower for its proper functioning & day to day routine maintenance.
14. Minimum 2 Years Warranty from the date of installation with all spares including PC Boards, motors, hard discs, etc. 5 Years CMC after completion of Warranty Period.
15. Quoted model should have Atleast 5 - 10 installations government/ reputed private institutions with satisfactory performance reports. List of user with complete address should be provided by the firm with technical specifications
16. Quoted system should meet the quality requirements recommended by WHO Guidelines/IVD/US FDA/CE for CD4/CD8 quantification.

Presiding officer



(Dr. N.K. Bhambri, IG (Med))

Member BSF

Amit Butola

(Dr. Amit Butola, CMO)

Member CRPF

C.K.K. Mao

(Dr. C.K.K. Mao, CMO)

Member ITBP

D.K. Verma

(Dr. D.K. Verma, SMO)

Member SSB

Brijesh Kumar

(Dr. Brijesh Kumar, CMO)

Co-op Member

Manisha

(Dr. Manisha Garg, CMO, Pathologist, CRPF)

Remarks of ADG (Medical), CPMFs

Approved

15/10/09

ADG (Medical), CPMFs