

No. IV-21011/10/2010-Prov-I
Government of India
Ministry of Home Affairs

26, Man Singh Road, Jaisalmer House,
New Delhi, 16.8.2010

To, *8/09* *PBN 16/09* *8/09 2/06 16/09*
The DGs: Assam Rifles/BSF/CISF/CRPF/ITBP/NSG/SSB/BPR&D

Subject:- Specifications of various Medical/Hospital Equipments -regarding

Sir,

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

1. Phaco Emulsification Machine-Annex-I
2. USG Colour Doppler-Annex-II
3. Eye Operating Microscope--Annex-III

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

OL
Yours faithfully,

(S.B.Nanda)
(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

SPECIFICATION FOR SURGICAL OPERATING MICROSCOPE FOR OPHTHALMOLOGY

MICROSCOPE:

- Compact microscope body with high quality & complete apochromatic Optics with 1:6 zoom ratio.
- Magnification factor 0.4 to 2.4.
- Focusing range 50mm
- Binocular tube: Tilttable tube with integrated image inverter.
- Eyepices: 10X with +8D to -5 D compensator.
- Objective lens f= 200mm, 65mm diameter.
- Deepview: Depth of field management system for optimal depth perception & maximum light transmission.

ILLUMINATION :

- Stereo Coaxial Illumination system for unique detail recognition, high contrast & stability of Red reflex even with strongly pigmented decentered and ametropic eye.
- Retina Protection Device and contrast enhancement aperture.
- Integrated 408nm UV barrier filter/ Blue blocking filter/ fluorescence filter.

X Y COUPLING:

- Motorized foot controlled X-Y coupling with automatic re-centering and X-Y inversion facility.
- Range 61mm x 61mm adjustable range.
- Stereo co observation attachment with 360 Rotation -2joints

SUSPENSION SYSTEM:

- Motorized foot controlled Zoom and focus with re-centering of focussing position through foot control. Image inversion facility on foot control.
- High quality floor stands with long spring balance suspension arm with effective length of 1Metre or more having load bearing capacity of 14Kg or More.
- Stand should have touch screen LCD display with programming facility for setting the speed of XY, Zoom and focus, Foot Pedal.
- Stand should have cold light fiber Optic illumination 12v 100w Halogen lamp with in built lamp housing with two lamps, with automatic Lamp changeover facility.

CCTV ATTACHMENT:

- 1CCD Light weight Camera with integrated camera control unit in the floor stand & programming through LCD display in the floor stand.

NETWORKING:

- Ethernet interface for microscope | incl. 10 m cable

Dr. R. K. Kotnala
 M. A. (Dr. Narendra Singh)
 SMO
 ITBP
 Commandant

Dr. R. K. Kotnala
 M. A. (Dr. Narendra Singh)
 SMO
 ITBP
 Commandant

Prof. Dr. J. S. Tithyal
 Co-opted Member
 IITB

DR. R. K. Kotnala
 CMO (Sci)