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

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

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 Microscopes-Annex-III

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

Yours Faithfully,

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: Tilted tube with integrated image inverter.
- Eyepieces: 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.

XY 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 -2 joints.

SUSPENSION SYSTEM:
- Motorized foot controlled Zoom and focus with re-centering of focusing position through foot control. Image inversion facility on foot control.
- High quality floor stands with long spring balance suspension arm with effective length of 1Meter 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. 10m cable