

No. IV-21011/9/2009-Prov-I
Government of India
Ministry of Home Affairs

26, Man Singh Road, Jaisalmer House,
New Delhi, 18.5.2009

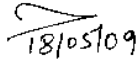
To
The DGs: Assam Rifles/BSF/CISF/CRPF/ITBP/NSG/SSB/BPR&D

Subject:- Technical Specifications/QRs of the Hospital Equipments

The Technical Specifications/QRs of the following Hospital Equipments as per Annexures, have been accepted by the Competent Authority in MHA:-

1	Digital Tabletop B Class Dental Autoclave
2	Digital X-Rays Machine for 50 bedded Hospital
3	Advance Electro Therapy Unit, Combination Therapy Equipment with Electro Therapy with Ultrasound & Laser Therapy & Vacuum.
4	Whole Body Vibration Unit
5	High Frequency Shortwave Diathermy
6	Tens & Stimulator
7	Continuous Passive Motion(For upper Limb & Lower Limb)
8	Contrast bath(Hot & Cold)

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


(R.S.Sharma)
Director (Prov)

Copy to:-

DD(Procurement),MHA

Copy for information to:-

PS to JS(PM),MHA

Copy also to:- The ADG(Med),
Central Paramilitary Force Medical Services,
Ministry of Home Affairs,
ITBP CASMP,
TIGRI,
P.O. Madangir,
New Delhi-110062.

ANNEXURE

QRs for Continuous Passive Motion(For upper Limb & Lower Limb)

CPM FOR UPPER LIMB (SHOULDER)		
SNo	Particulars	QRs
01	Range of motion	Adduction/abduction 0°/ 30°/ 175°/
02	Internal/external rotation	90°/ 0°/ 90°/
03	Elevation	0°/ 30°/ 175°/
04	Horizontal adduction/abduction (manual)	0°/ 0°/ 120°/
05	Motor control	For isolated motion
06	Synchronized motors	ON/OFF, Speed (ABD/ADD) 1%-100%
07	Timer	1-300 minutes/ continuous operation
08	Reverse on load in steps	1-25/ patients safety feature
09	Total therapy time added sum of the therapy sessions	
10	Warm up protocol for gradual progression to the maximum range of motion	
11	Patient chip card for storage of the therapy parameters	
12	New patient activates the default settings for new patients Service menu	
13	Head rest for comfortable, optimal patient posture	
14	Shoulder positioning prevents evading movements	
15	Oscillation higher rate of motion in the EROM	
16	Stretching(ABD or I-ROT or E-ROT) careful and smooth increase of the range of motion	
17	ISO ABD ROT protocol for separate exercising in both directions	

CPM FOR LOWER LIMB		
SNo	Particulars	QRs
01	Range of motion	Extension/Flexion Knee 10°/ 0°/ 20°/ Extension/Flexion "HIP" 0°/ 7°/ 115°/
02	Functions	Pauses (extension and flexion) 0-59 Sec. /1-59 minutes
03	Speed	5% - 100%
04	Key lock function to prevent accidental change of the parameters settings	
05	EROM repeat(extension or flexion) exercise are performed at a higher rate in the end range of motion.	
06	Stretching (extension or flexion) for gradual and smooth increase of the range of motion	
07	Therapy documentation graphic representation of the overall treatment cycle.	
08	EMS control for an optimal combination CPM treatment and electrotherapy	
09	Workout protocol combines various functions of the comfort model in one protocol	
10	Comfort protocol warm up in the EROM of extension and flexion	