

No. IV-21011/4/2010-Prov-I
Government of India
Ministry of Home Affairs

26, Man Singh Road, Jaisalmer House,
New Delhi, 11.3.2010

To

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

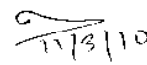
Subject: - QRs/Technical Specifications for the security related equipments -regarding

The QRs/Technical Specifications for the following security related equipments have been accepted and approved by the Competent Authority in MHA:-

- (i) Combat/Military Free Fall Parachute System
- (ii) Digital Target System Under Ground Virtual Shooting Range(UVSR)
- (iii) Rope Ladder with Through Line
- (iv) Tactical Vest
- (v) Digital Camera(General Purpose)
- (vi) Eye Ball Video
- (vii) ~~AD2V/Digital Night Vision Goggle/Device (Basic Version)~~
- (viii) ~~AD2V/Digital Night Vision Goggle/Device (Full Version)~~
- (ix) Holographic Reflex Sight/Reflex Sight with trail Directives
- (x) All Purpose/High Intensity Protected Vehicle/Special Purpose Vehicle

2. The trial directives for the 5.56mm Cabine has also been approved by the Competent Authority in MHA

3. 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

Ser No	Features	Specifications
(c)	Rotation Motor	
	(i) Speed of rotation motor	Minimum 4 RPM
	(ii) Sound of motor	Quiet operation
(f)	Camera	
	(i) Camera Range of sensor eye ball video	Up to 20 m or more
	(ii) Rotation of sensor camera	Controlled by user at least 4 RPM providing a full 360° view in 15 sec.
	(iii) Pan and Zoom	Pan 360 , 2:1 Digital Zoom or more
(g)	Mechanical specifications	
	(i) Dimensions	90 mm Diameter or less
	(ii) Weight	Less than 600 gms
	(iii) Stabilization and motion	Quick self stabilization
(h)	Power Source	
	(i) Rechargeable battery	Lithium ion battery
	(ii) Battery operation capacity	Eyeball : Minimum 2 Hrs PDU : Minimum 3 Hrs
	(iii) Battery Charger	Should be same for PDU and Eyeball
	(iv) Battery Charging time	Less than 2 hours
	(v) Battery Charger input	220V, 50 Hz AC
	(vi) Remote Display Unit with system software	The portable Remote Display Unit should have a TFT display of minimum six inches along with the system software.
(j)	Night operation capability	Should provide vision in pitch dark room. IR should not visible to human eye.
(k)	Video Motion Detection	Advanced
(l)	Output connections	S – Video/DV and earphone connectors for audio
(m)	IP Standard	IP- 67
(n)	Accessories :- The following accessories to be supplied with each system :-	

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 1. K. K. K. 23/12
 2. S. S. S. 24/12
 3. M. M. M. 24/12
 4. P. P. P. 24/12
 5. R. R. R. 24/12
 6. T. T. T. 24/12

Ser No	Accessories	Quantity Per System
(i)	Observation Kit complete: – To provide capability for a Commander to view and listen to the output from Eyeball on any standard PC/Laptop.	01
(ii)	Deployment Kit complete	01
(iii)	Laptop with following specifications	01
	(aa) Microprocessor 2.60 GHz Intel@ Core 2 Extreme Processor X7800 or better.	
	(ab) Microprocessor Cache 4 MB Level 2 cache or better.	
	(ac) Memory – minimum 4 GB DDR2 or better	
	(ad) Video Graphics compatible with High Definition	
	(ae) Hard Disk – More than 500 GB	
	(af) Multimedia drive with DVD-R /RW with blue ray compatibility.	
	(ag) Wireless connectivity/Bluetooth	
	(ah) Network card	
	(aj) PCI Express Card slots	
	(ak) External ports : 4-6 USB 2.0, HDMI, Sata, VGA, RJ 45, S-video capture, IEEE-1394	
	(al) Latest Windows Operating System.	
(iv)	Battery Chargers	As per requirement for 24 hours continuous operation
(v)	Spare batteries	As per requirement for 24 hours continuous operation
(xxiv)	Carrying case	
	(a) Ruggedised carrying case for quickly transporting the entire kit.	01
	(b) A single soft backpack type carrying case housing the complete equipment and its accessories less the pole. A soldier should be able to carry the equipment on his back conveniently. It should be preferably of camofledge pattern	01

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Misc Aspects

- 5. **Literature** Operating and Technical literature for each discrete components of system should be in English language.
- 6. **Demonstration and Training** Demonstration of the complete system with adequate qty of equipments to be given in Delhi on no cost no commitment basis. In situ training of users for three day on operation, maintenance, fault finding and user level repairs.

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Approved/Not approved

NPS Aulakh
(NPS Aulakh) 26/2/10
Director/General, NSG