

No. IV-21011/21/2009-Prov-I
Government of India
Ministry of Home Affairs

26, Man Singh Road, Jaisalmer House,
New Delhi, 23.6.2009

To

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

Subject:- QRs/Technical Specifications of the of PNV Goggles.

The QRs/ Technical Specifications of the PNV Goggles as per Annexure,
has been accepted by the Competent Authority in MHA.

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

23/6/09

(R.S.Sharma)
Director (Prov)

Copy to:-

DD(Procurement),MHA

Copy for information to:-

PS to JS(PM),MHA

QRs/specifications of PNV Goggles

1	Weight of PNV Goggles should not exceed 550 gm (including battery and without mount).
2	The Goggles should have I.I. Tube with resolution of minimum 56 lp/mm.
3	It should have Automatic Gain Control (AGC) as well as Bright Source Protection (BSP).
4	Power source - should be 1.5V/3V battery. The battery should run at least for 08 hrs with IR on and for 15 hrs with IR off (should be compatible to re-chargeable battery).
5	Field of view should be 40 degree \pm 2 degree.
6	Two different types of mounts should be provided for fitting the goggles. One mount should be fitting the goggles while putting it on helmet whereas the other mount should be for fitting the goggles while putting it on face mask.
7	Goggles should have manual focusing facility from 0.3 meters to infinity.
8	Range should be minimum 250 mtr for detection and minimum 150 mtr for recognition of moving human targets under moonless starlit night conditions.
9	Goggles should have Binocular vision with a single I.I. Tube.
10	Operating temperature -30 degree C to $+55$ degree C (Certificate to this effect from any internationally recognized lab should be provided by the vendor).
11	Storage temperature -30 degree C to $+60$ degree C (Certificate to this effect from any internationally recognized lab should be provided by the vendor).
12	Should be supplied with suitable carrying case.
13	Should be rugged and compact.
14	Should be water resistant at 1 meter deep for 30 minutes.
15	User's Hand Book (English) should be provided.
16	Maintenance kit should be provided. Essential accessories like one set of commercially available rechargeable battery, battery charger should be provided with each equipment.
17	Low battery indication should be provided in the Unit.
18	Should have provision of Diopter adjustment.
19	Goggles should conform to JSS-55555 for humidity, shock, vibration and rain test - Certificate to this effect from any internationally recognized lab should be provided by the vendor.
<p>Note:- For the purpose of these QRs</p> <p><u>Detection means:-</u> Ability to detect vehicles, structures (Man made/Natural) and any movement of man or animal.</p> <p><u>Recognition means:-</u> Ability to differentiate between Civilian/Uniformed personnel with man pack, & revealed weapon(Rifle and above) and loaded/unloaded animal.</p>	