

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

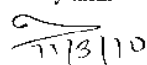
Subject: - QRs/Technical Specifications for the security related equipments -regarding

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

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**QRs FOR ROPE LADDER WITH THROW LINE**

**Physical Characteristics of Rope Ladder**

1. Material - Nylon/Poly propolane or equivalent material.
2. Length - Minimum 20 meters.
3. Container - Compatible container for Rope Ladder.

**Physical Characteristics of Rope Line**

4. Material - Nylon/Polypropolane or equivalent material.
5. Length - Minimum 100 meters.
6. Minimum Breakload - 1000 kg.
7. Container - Compatible container for Rope Line.

**Physical Characteristics of Rope Thrower/Launcher**

8. Equipment should be foldable, light weight, enable quick assembling and use
9. Length of the launcher should not exceed 530mm.
10. Climbing Grappling Hook should be Rubber coated and should withstand strength of minimum 1000 kg.
11. It should have the provision for variable firing pressure to shoot the rope at different ranges and facility for reading of the pressure (day & night) to be provided.
12. Should have a safety catch mechanism to ensure the unit does not get fired accidentally.
13. When fired the noise generated by the equipment should not exceed 90 dB at 15 meters from the muzzle.
14. Should have provision for fitting of re-usable air cylinders. Each cylinder should allow the launcher to be fired for a minimum of 5 times and should be able to propel the projectile/grapnel upto minimum 50 meters vertically and 100 meters horizontally.
15. **Multi Shot Capacity** Should allow deployment of minimum five projectiles in rapid succession with same cylinder without refilling.

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- Right: *Ken up ... 21/12*  
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- Bottom middle: *21/12*

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16. **Safety Mechanism.** The equipment should be provided with both mechanical and applied safety mechanisms.

**Misc.**

17. **Transport/Storage Case.** Unbreakable watertight, dust proof, chemical/corrosion proof storage case to be provided with the equipment.

18. **Training.** Minimum 7 days training to be provided after procurement

19. **Accessories/Spares.** The following accessories/spares will be provided with each set of Rope Ladder with Throw Line:-

- (a) High pressure projectile/grapnel hook (made of aluminum or equivalent superior quality alloy).
- (b) Tool Kit (as applicable).
- (c) Canister's for loading of ropes qty 02.
- (d) Compatible rechargeable air cylinders.
- (e) Grapnel/Projectile shaft as per requirement.
- (f) Air filler hose.

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**Approved/Not approved**

*[Signature]*  
(NPS Aulakh) 26/2/10  
Director General, NSG

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