

No. IV-21011/43/2009-Prov-I  
Government of India  
Ministry of Home Affairs

28

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) Water Combi Filter for outdoor use by Commandos~~
- (ii) Body Worn Video Camera's System/Wireless Body Worn Video System
- (iii) Flexible Fibre Scope/Fibre Optic Scope
- (iv) Hydraulic/Pneumatic Door Breaker
- (v) Laser Range Finder
- (vi) Digital Power Lectern
- (vii) Non Skid Tactical shoe/Combat Shoe

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

11/3/10

(R.S.Sharma)  
Director (Prov)

Copy to:-

DD(Procurement),MHA

Copy for information to:-

PS to JS(PM),MHA

जारी किया/ISSUED  
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QRs/SPECIFICATIONS OF WATER COMBI FILTER  
FOR OUTDOOR USE BY COMMANDOS

1. Water Combi filter is conceived as standalone water purification system suitable for outdoor personal use by soldiers operating in remote/uncongenial terrain where drinkable water is not readily available.

General Characteristics

2. Each stand alone purification system , must conform to Indian quality standards. The system must function on proven technologies/processes of filtration & disinfections to remove turbidity, particulate matter, bacterial and viral contamination, iron, dissolved gases, odour and any other impurities (from varied sources of surface & ground water as locally available). The system should be flexible enough to adapt to varied geographical and climatic conditions/terrain.

3. The system should not be dependent on electricity or any other energy sources and should be user friendly, strong and robust enough to withstand rough usage for prolonged duration. There should be a mechanism to avoid water wastage.

4. The water storage tank of the system should be made of suitable material that is non-corrosive, chemically non reactive and long lasting with low operation cost in terms of consumables. The system should preferably be non sludge producing with facility to clean the system once in every week.

5. Technical Specifications

- (a) Should be able to purify hard as well as soft water.
- (b) Conform to ISI certification.
- (c) Should not be dependent on electricity or other energy source for operation.
- (d) Should be user friendly, light in weight and robust long lasting body.
- (e) Should employ 2/3 stage filter system.
- (f) Output capacity should be minimum 5 litres per hour of clean drinkable water which is free of any unpleasant taste, Odours, pesticides and disease causing pathogens.

*[Handwritten signatures and initials]*

6. **Training.** Adequate training to be imparted by the firm on use/handling and maintenance of the water purifier/filter.

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DGA (row)

Approved/Not approved

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(M.P.S Aulakh) 26/2

Director General, NSG