

No.IV-17017/48/02-Prov.I  
Ministry of Home Affairs  
Prov.I

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New Delhi the 6<sup>TH</sup> Oct.,2004

To

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

**Subject: Finalization of QRs/Specifications Communication and other Security Equipments.**

The Sub-Group constituted by MHA vide Memorandum No. IV.IV.17017/18/2001-Prov.I dated 5-7-2002 for laying down QRs/specifications of various items/equipments has since submitted its recommendations in respect of following communication and security equipments:

- (i) Fax Encrypter
- (ii) Frequency hopping HF/VHF sets
- (iii) Digital hand held mobile/static VHF/UHF Radio
- (iv) Wideband surveillance receiver (VHF/UHF Analog)
- (v) Wideband surveillance receiver (HF Analog)
- (vi) Wideband surveillance receiver (HF/VHF/UHF Analog and digital)
- (vii) Light Vehicle based Direction finder ✓
- (viii) Portable Direction finder ✓
- (ix) Discone, Parabolic Dish Antenna
- (x) High altitude Parachute Penetration System(HAPPS)
- (xi) Bomb Data Centre Equipment
  - i. IED Response Vehicle
  - ii. Explosive Test Kit
  - iii. PBI Kit
- (xii) ✓ Telescopic Manipulator
- (xiii) ✓ Waterman ship Equipment
- (xiv) ✓ Deep search Mine/Metal Detector.
- (xv) ✓ Digital HF Transceiver
- (xvi) ✓ Satellite Phone (Hand Held)

2. These recommendations have been accepted by MHA. The QRs finalized by the Sub-Group and accepted by MHA in respect of the equipments are enclosed herewith

3. Henceforth, all the CPMFs should procure the above items required by them to meet their operational needs strictly as per the laid down QRs/specifications.

Yours faithfully,

*Alok*  
(Alok Mukhopadhyay )  
Under Secretary(Prov.I)

(48)

**ORs : EXPLOSIVE TEST KIT**

**Physical Requirements**

1. Minimum maintenance.
2. Should be easily carried.
3. Should be operative in all weather conditions.
4. Should be easy to use.
5. It should contain various types of sprays and pocket pack of collection papers for various groups of explosives.
6. Should have colour code display card.
7. Should not pose any risk for technician and the environment.
8. Should have fast reaction and quick results facility.

**Technical Requirements**

9. Should be capable to detect all type of explosives of various groups, before and after explosion.
10. Should be able to detect inorganic nitrates.
11. Should be able to detect the nuclear residue/materials.
12. It should have operating temp of -10 to +55 degree celcius.
13. It should have power source with rechargeable battery.
14. Should be capable of upgradation to an advanced version in future.

**Spare**

15. The manufactures should provide spares as follows :-
  - (a) Electronic components - 03 years spares.
  - (b) Non electronic component - 05 years spares.

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**Training**

16. Manufactures should train our pers on use of eqpt for a specified period or as per terms as decided at the time of acceptance of tender.

**Repairs**

17. Should provide repair backup within Delhi directly or through a subsidiary.

18. Should provide AMC directly or through a subsidiary after expiry of warranty period.

**Justification**

19. This equipment is used by PBI teams for identification of explosives at the site of explosion.

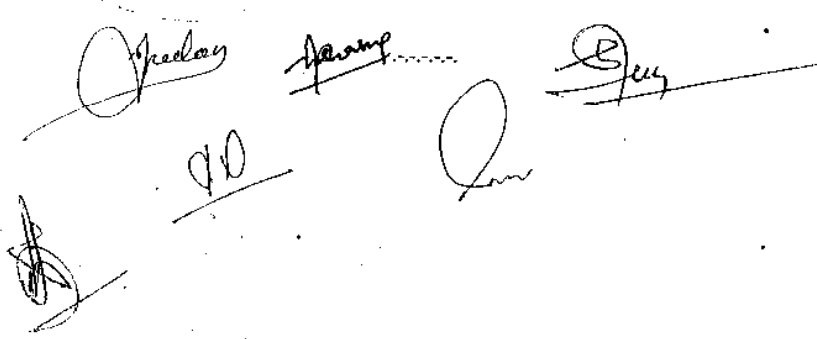
20. The **On the Spot** testing of explosive is an inescapable requirement of the PBI Teams.

21. This capability will give the investigators more lead to carryout speedy investigations.

22. This kit will also be used for imparting training to BD students.

**Preference**

**EXPRAY**



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