

26, Man Singh Road, Jaisalmer House,
New Delhi, 18.1.2010

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) Shot Gun/Spas Gun
- (ii) Armour Plates fir Snipers
- (iii) Laser Grip for Glock Pistols
- (iv) UBGL
- (v) Lay Tuning (Road Blocker)
- (vi) Slithering Rope
- (vii) Commander Torch
- (viii) Sonic Defenders-Hearing Protection Device
- (ix) Robot
- ✓(x) Bullet Proff Jacket Full Body Protection(360 degree)
- (xi) Non Magnetic Tool Kit
- (xii) Gas Mask

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

3. The trial directives for the following items have also been approved by the Competent Authority in MHA

- ✓(a) ~~Mini~~ Remotely operated vehicle-F/X
- (b) Electro Stun Gun
- (c) Light Support Weapon ✓

(18/1/10)
(R.S.Sharma)
Director (Prov)

Copy to:-

DD(Procurement),MHA

Copy for information to:-

PS to JS(PM),MHA

**TRIAL DIRECTIVE : USER TRIALS OF
MINI REMOTELY OPERATED VEHICLE**

Introduction

- 1. There is a need for a portable, compact light weight MROV, which can operate in all weather conditions and during day night, as well.
- 2. The said MROV should have all the capabilities to conduct operations to facilitate bomb technicians to search, dispose and neutralize the IEDs. Modular weapon mounting systems, accessories/sub systems, base station should be incorporated so that these assist the user to conduct operations successfully.

Aim

- 3. To carryout trials of Mini Remotely Operated Vehicle (MROV) and to assess suitability for introduction into service.

Conduct of Trials

- 4. The trials will be carried out in the following phases:-
 - (a) **Phase-I.** Technical evaluation and trials.
 - (b) **Phase-II.** User trials.
- 5. **Location.** User trial will be conducted at NSG BD Unit.
- 6. **Trials Dates.** A composite trial schedule to be intimated to all firms and BOO one month in advance.
- 7. **Composition of Trial Team (for user trials only).**
 - (a) **Officer-in-charge trials.** OC NSG BD Unit.
 - (b) **Members**
 - 1 One SC from Trg Centre.
 - 2 One SC from SAG units.
 - 3 One SC from SRG units.
 - 4 One TC from SWS.
 - (c) **Observers.**
 - (i) Representative of NSG HQ.
 - (ii) Representative of Force HQ.
 - (iii) Representative of Logistic Gp.
 - (d) **In Attendance.** Vendor's representative as applicable.

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Aspects to be Studied.

Trials to check aspects as mentioned in Qualitative Requirements (QR). The following aspects will be studied in conjunction with QR in the user trials:-

- (a) **Physical Characteristics.** As per QR.
- (b) **Operational Characteristics as given out in QR.** The following additional aspects will be examined:-
 - (i) Ruggedness and susceptibility to moisture.
 - (ii) User friendly.
 - (iii) The capability of mini ROV will be checked for EOD options on various IEDs and surveillance of the various locations.
 - (iv) The base station will be tested for inbuilt safety features.
 - (v) The firm will provide the certificate for the test which cannot be conducted by user unit. These certificate must be authenticated from Govt/Govt recognized agencies.
- (c) **Operation Maintenance.**
 - (i) Ease of stripping and assembling of accessories.
 - (ii) Cleaning and general maintenance.
 - (iii) Packing.
 - (iv) Literature, videos and training CDs provided with the equipment.
- (d) **Other Aspects.** Compliance to QR parameters will be studied. In addition any other aspect as deemed fit by trial team may be studied.

9. **Equipment and Accessories.** Equipment along with all accessories will be provided by vendors at the place & time decided by the detailed board of officers as per schedule for the user trials.

10. **Ammunition.** Ammunition for EOD options such as water jet disruptor will be provided by NSG for conduct of trials. The ammunition will be tested on various kinds of IED containers.

11. **Action Prior to Positioning of Trials Stores.** Proof firing of the weapons/water jet disruptor/any other disruptor will be carried out prior to positioning at Training Centre, NSG, Manesar and a certificate stating that the weapon for EOD options are safe for trials will be rendered by the vendors prior to commencement of trials.

12. **Trial Report.** PO of the board will forward the report to all concerned as per the prescribed channel, so as to reach NSG HQ within 3 weeks on termination of the trials.

13. **Comparative Chart.** The comparative chart will be prepared by the board of officers. The comparative chart should be based on technical literature of the equipment and the trial conducted and not merely based on the compliance statement submitted by the firm. The format of the comparative chart is attached as per Appendix.

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