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) Through Wall Radar- Annexure-A
(ii) Tactical Gloves-Annexure-B
(iii) Binoculars with inbuilt Digital Compass-Annexure-C
(iv) Binoculars without inbuilt Digital Compass-Annexure-D
(v) Intervention Ladders-Annexure-E

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

[Signature]
(R.S.Sharma)
Director, (Prov)

Copy to:-
DD(Procurement), MHA

Copy for information to:-
PS to JS(PM), MHA
**QRs FOR INTERVENTION LADDERS**

**Composition of One Set of Intervention Ladder**

1. One set of Intervention ladders will constitute the following:

<table>
<thead>
<tr>
<th>Item</th>
<th>Qty</th>
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<tbody>
<tr>
<td>(a) 7.2 mtr Sliding Ladder</td>
<td>10</td>
</tr>
<tr>
<td>(b) 3.6 mtr Sliding Ladder</td>
<td>07</td>
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<tr>
<td>(c) Tail Ladder minimum 12 mtr</td>
<td>02</td>
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<tr>
<td>(d) Wing Ladder 4.2 mtr long</td>
<td>03</td>
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<tr>
<td>(e) Cockpit Ladder 5 mtr long</td>
<td>02</td>
</tr>
<tr>
<td>(f) Wing Ladder 1.7 mtr</td>
<td>03</td>
</tr>
<tr>
<td>(g) Nose Wheel Ladder 2.7 mtr</td>
<td>02</td>
</tr>
</tbody>
</table>

   **Total** 29

**General QRs**

2. The ladders should be made of high strength and light weight material.

3. All ladders even when extended to its maximum required height should be able to withstand the weight of three fully equipped soldiers with arms and equipment climbing simultaneously.

4. The ladders should be black in colour with non reflective matt finish.

5. The rungs of the ladders should be of rectangular/square cross-section and with non slip grooves to ensure good grip.

6. The ladders joints should make minimum noise during handling and carriage even after prolonged usage.

7. The top end of ladder should have suitable buffer coating to prevent slipping and noise when being placed against any surface (metallic or otherwise).

8. The ladders (as specified) should have provision (sockets) for fixing rods at the top end to provide support during operations.

9. The specifications of ladders are given at Appendix-A.
10. Ladders should be capable of operation and storage under following conditions:

(a) Storage Conditions -30°C to +55°C
(b) Operational Conditions -30°C to +55°C

Desirable QRe:

11. The ladders should be equipped with adjustable shoes at the base, made of a special hard rubber to provide a firm grip on the airport tarmac.

12. All ladders should have rubber buffer pads on the sides along the length of the ladder at an interval of two (2) metres to prevent damage to the ladder during storage and transportation.