F/No- P-63013/12/2014-Ord/DSF/MHA/Prov-I
Bharat Sarkar/Government of India
GrihaMantralaya/Ministry of Home Affairs
PM Division/Prov.I Desk

26, Man Singh Road, Jaisalmer House
New Delhi, Dated 2 June, 2015

To,

DsG: AR (through LOAR), BSF, CISF, CRPF, ITBP, SSB, NSG & BPR&D.

Subject: Revision of QRs and Trial Directive for Blocking Bollards.

Sir,

The QRs and Trial Directives in respect of Blocking Bollards have been revised and accepted by the Competent Authority as per Annexure in MHA.

2. The CAPFs concerned will be accountable for correctness of the QRs/Trial Directives

3. Henceforth, all the CAPFs should procure the above item required by them strictly as per the laid down Technical Specifications/QRs.

Yours faithfully,

Encl: As above

(M K. Chahar)
Under Secretary to the Govt. of India
Tel: 23381278

Copy forwarded for necessary action to :-

GO (IT), MHA : It is requested to host the QRs and Trial Directives (soft copy attached) on the MHA website (under the page of Organizational Set up- Police Modernization Division- Qualitative Requirement under Misc. Equipments.

(Ritesh Kumar)
Section Officer (Prov-II)

Copy to: DDG (Procurement), MHA.

After detailed deliberations the referred Sub-group has revised the CRs of ‘Blocking Bollard’, which are as under:-

**QUALITATIVE REQUIREMENTS OF BLOCKING BOLLARD**

<table>
<thead>
<tr>
<th>S.NO</th>
<th>DRAFT SPECIFICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>Diameter of Bollard tube: Between 15 cm to 27 cm.</td>
</tr>
<tr>
<td>02</td>
<td>Impact load: 40 KN or more.</td>
</tr>
<tr>
<td>03</td>
<td>Raising time: Not more than 6 sec.</td>
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<tr>
<td>04</td>
<td>Lowering time: Not more than 6 sec.</td>
</tr>
<tr>
<td>05</td>
<td>It should be hydraulically operated.</td>
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<tr>
<td>06</td>
<td>Blocking height above surface but should be between 50 cm to 90 cm.</td>
</tr>
<tr>
<td>07</td>
<td>It should be made of high strength galvanized steel tube, powder coated with stainless steel ground socket for corrosion protection.</td>
</tr>
<tr>
<td>08</td>
<td>Drive unit should be integrated.</td>
</tr>
<tr>
<td>09</td>
<td>Manual operation in case of power failure/emergency operation.</td>
</tr>
<tr>
<td>10</td>
<td>Should be operable by a push button, Access Control reader and other sensors.</td>
</tr>
<tr>
<td>11</td>
<td>Should have reflective warning tape flashing warning lights with audio alarm.</td>
</tr>
<tr>
<td>12</td>
<td>IS rated Certificate should be authenticated by either the CBSTI or any other certification agency.</td>
</tr>
</tbody>
</table>

Protection class: B-67.
TRIAL DIRECTIVES OF BLOCKING BOLLARD

SPECIFICATION

Appendix - 6

TRIAL DIRECTIVES

1. To physically checked by the BOC
2. To physically checked by the BOC
3. To physically checked by the BOC
4. To physically checked by the BOC
5. To physically checked by the BOC
6. To physically checked by the BOC
7. To physically checked by the BOC
8. To physically checked by the BOC
9. To physically checked by the BOC
10. To physically checked by the BOC

1. Non-magnetic grade steel considered for construction purposes
2. Bending height above surface should be between 50 cm to 90 cm
3. Bending height above surface shall be higher than 50 cm
4. Lowering time not more than 6 sec
5. Rising time not more than 6 sec
6. Distance of bolted block between 15 cm to 27 cm

The conditions apply:

1. The condition changes if K-67.
2. The condition changes if

3. The condition changes if...