

मुख्यालय राष्ट्रीय सुरक्षा गारद  
गृह मंत्रालय (भारत सरकार)  
सम्भरण शाखा (आयुद्ध अनुभाग)  
मेहरम नगर, पालम, नई दिल्ली-37

संख्या- पी/604/24/389/E-135040/Bomb Blanket/संभरण (ऑर्डनेंस)/एनएसजी/ 1160

दिनांक- 27 फरवरी 2025

**विषय: बॉम्ब ब्लैंकेट (BOMB BLANKET) के परिशोधित गुणात्मक आवश्यकता (क्यू.आर.) और परीक्षण निर्देशों (टी.डी.) का प्रेषण**

तकनीकी विशेषज्ञों के उप समूह द्वारा किए गये सूत्रीकरण एवम महनिदेशक, राष्ट्रीय सुरक्षा गारद द्वारा अनुमोदित बॉम्ब ब्लैंकेट (BOMB BLANKET) के परिशोधित गुणात्मक आवश्यकता (क्यू.आर.) और परीक्षण निर्देशों (टी.डी.) को अग्रिम कार्यवाही हेतु प्रेषित किया जाता है ।

संलग्न- उपरोक्तानुसार

  
(अखिलेश कुमार तिवारी)  
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**वितरण :**

1.	JS (PM), MHA, Jaisalmer House, New Delhi	For information please.
2.	Senior Technical Director, NIC, MHA, North Block, New Delhi Email : soit@nic.in mpsugandhi@nic.in	You are requested to upload on MHA website PM Division- QRs under BDDs Equipment Category and <b>delete</b> the old QR TDs shown at <b>SI No. 10 and 28 of BDDs Equipment category</b> please.
3.	IG/Director (R&D), BPR&D, Mahipalpur, New Delhi Email : igmod@bprd.nic.in/dd-mod@bprd.nic.in	
4.	ADG, PP & T, Room No 37, H Block, DGQA, Govt of India, Min of Defence, Department Defence Production, Directorate of Quality Assurance, New Delhi-110011, Email : saarmt-dgqa@gov.in	
5.	DIG (Prov), CRPF, CGO Complex, New Delhi, Email : digprov@crpf.gov.in/ dcord@crpf.gov.in	
6.	DIG (Prov), BSF, CGO Complex New Delhi. Email : digprovfhq@bsf.gov.in / comdtord@bsf.nic.in	
7.	DIG (Prov), CISF, CGO Complex New Delhi. Email : digprov@cisf.gov.in, aigtech@cisf.gov.in	
8.	DIG (Prov), ITBP, CGO Complex, New Delhi, Email : digprov@itbp.gov.in	
9.	DIG (Prov), SSB, R K Puram, New Delhi, Email : digprov@ssbdel.in/cr.ssbdel@nic.in	
10.	DIG (Prov), Assam Rifle (Through LOAR), Email : loar-mha@nic.in	
11.	GC, Ops (WE), HQ NSG - For info and necessary action	
12.	HQ CTF and BD UNIT, NSG- For info please	
13.	SC(Prov) GeM, HQ NSG- For info and necessary action.	



**REVISED QRs & TDs OF BOMB BLANKET**

Ser No	QRs / Specification	Trial Directives
01.	<p>Firm to submit reports for blast and ballistic testing from TBRL, Chandigarh, compliant to MHA QRs at STEC stage and should be valid for 4 years. However, blast and ballistic testing will invariably be conducted at TBRL for lot testing during final bulk supply.</p> <p><b><u>Ballistic test:</u></b></p> <p>As per STANAG 2920 V50 17 grains (FSP) steel fragment/ MIL STD 662F @ not less than 665 m / sec. The firm will have to produce report from TBRL.</p> <p><b><u>Blast test:</u></b></p> <p>The bomb blanket should offer protection against thermal and fragmentation effect caused from a blast of minimum 300gms TNT Equivalent explosive along-with 100gms fragments with following requirements :</p> <p>(a) It should restrict horizontal displacement of fragments beyond 4 meters standoff from explosive device</p> <p>(b) It should keep fireball diameter within standoff distance of 4 meters from explosive device</p>	<p>To be checked at TBRL Chandigarh in the presence of BOO.</p> <p><b>Ballistic test:</b></p> <p>Separate V50 ballistic test for Bomb blanket and containment ring shall be conducted as per STANAG 2920 V50 17 grains (FSP) steel fragment / MIL STD 662F @ not less than 665m/sec. The sample size for both tests shall have minimum dimensions 1000mm x 500mm.</p> <p><b>Blast test:</b></p> <p>(a) 300 gm TNT equivalent explosive with min 100gms fragments including M6 nuts (Class 8), ball bearings (commercial steel) of 6mm size approx. and steel nails of 14 gauge, 1 inch length in equal % by weight, to be blasted inside the Bomb Blanket.</p> <p>(b) No fragments should be able to reach beyond 4 meter. TBRL to measure the number of hits and perforations on witness MS panels (approx. 8 feet height x approx. 4 feet width x 1.5mm thickness) at 4m standoff. The MS panels shall be arranged in semi-circular arc around the point of detonation and grouted firmly in ground.</p> <p>(c) Fireball diameter should be lower than 4m.</p> <p>Blast and Ballistic tests reports to be checked by the BOO.</p>

The bottom section of the page contains several handwritten signatures and initials in blue ink, arranged in two rows. The top row includes a signature on the left, a large '10' in the center, a signature on the right, and another signature on the far right. The bottom row includes a signature on the left, a large 'G' in the center, a signature on the right, and another signature on the far right.



02.	The Bomb Blanket should be sewn into a water repellent cover.	Firm to submit water repellent certificate from NABL/govt accredited lab for outer cover material.
03.	The Bomb Blanket (minimum size 2m x 1.5m) should consist of an integral blast containment ring of minimum 17 inch height to deter side fragmentation discharge and to direct the force of the blast upwards. The ring should be able to encircle the suspected object (minimum dimensions of 40cm x 30cm x 40cm) without touching it. Ring should be made of one piece without any joint.	To be physically checked by the BOO while carrying out the blast.
04.	The Bomb Blanket design and material used for manufacture should permit taking X-ray of the suspected device, without being lifted.	X-ray to be taken with the help of RTVS without lifting the Bomb Blanket. Real time view of the components of the suspected device will be the acceptance criteria. RTVs to be provided by the user.
05.	The Bomb Blanket should provide sufficient sturdy arrangements to hold it for placing it on suspected object.	To be checked physically by the BOO.
06.	Weight of complete Bomb Blanket with containment ring (excluding carrying case) should not be more than 52 Kgs.	To be checked physically by the BOO.
07.	The storage life of the Bomb Blanket should be 07 Years.	Compliance certificate from OEM.

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Viney Venug  
DC (CRPF)  
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INS.P.IND.  
BIJENDAR KR.


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Kawal Singh  
LDR  
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Ser No	QRs / Specification	Trial Directives
08.	<b>Miscellaneous.</b> The firm should be able to provide the following as applicable alongwith the equipment: -	
	(a) Cleaning kit, if any.	
	(b) Users hand book & technical manual giving full description of the item	To be provided by the firm
	(c) Literature on preservation techniques as applicable	
	(d) Suitable ruggedized carrying case.	


  
 Insp Anil Kumar,  
 BSF


  
 Vinay Kumar  
 DC (CRIF)

  
 TC 75101M  
 May MS Pathak  
 SD Unit NSG

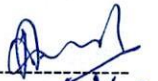
  
 IHSP/1272  
 Pradipt Kr. Singh


  
 Ab Sub  
 Kanchan Singh  
 LDAR

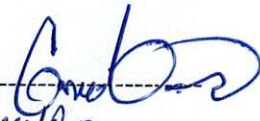
  
 AMIT KALRA  
 Scientist-F, TBRL

  
 Vikas Bhardwaj  
 SC-F, TBRL

  
 COW ATJA CHUPRA  
 (RETI) V  
 BPR+D

  
 INSP/115  
 BIJENDAR RR.

  
 (Major T.H. Hoodip)  
 WBR, HQ NSG.

  
 Insp/Aror  
 Babu Ram Sharma  
 SSB

Approved/ Not Approved



B Srinivasan, IPS  
 Director General, NSG