

संख्या: पी/604/25/389/Misc (BP Harness) / मु0रा0सु0गा0/ संभरण (ऑर्डनेंस)/E-105011/ 137

दिनांक/17th फरवरी 2026

1. IG/Director (R&D), BPR&D, Mahipalpur, New Delhi Email : igmod@bprd.nic.in dd-mod@bprd.nic.in	2. 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
3. DIG (Prov), CRPF, CGO Complex, New Delhi Email : digprov@crpf.gov.in	4. DIG (Prov), BSF, CGO Complex, New Delhi Email : digprovfhq@bsf.gov.in comdtord@bsf.nic.in
5. DIG (Prov), CISF, CGO Complex, New Delhi Email : digprov@cisf.gov.in	6. DIG (Prov), ITBP, CGO Complex, New Delhi Email : digprov@itbp.gov.in
7. DIG (Prov), SSB, RK Puram, New Delhi Email : cr.ssbdel@nic.in digprov@ssbdel@nic.in	8. DIG (Prov), Assam Rifle (Through LOAR) Email : loar-mha@nic.in

**CORRIGENDUM TO MHA APPROVED QUALITATIVE REQUIREMENT / TRIAL
DIRECTIVES OF BULLET PROOF HARNESS WITH SHOULDER PAD DATED
18 AUG 2012 AND 15 MAY 2013**

1. It is intimated that NSG has formulated the QRs/Technical specification of Bullet Proof Harness with Shoulder Pad approved by MHA on 18 Aug 2012 and Trial directives on 15 May 2013 respectively. Now, Directorate General, SSB vide their letter No K-1301(7)/3/2024-M/E-Part(1)64 dated 09 Jan 2026, requested that certain provisions and dimensions in the existing Trial Directives and Technical specifications are required to be aligned with BIS 17051:2018 to ensure dimensional compatibility and incorporate the requirement at Point No. 6(a) & (b) for equal-size front and rear BP plates of volume 0.0772 (Standalone, Level-6, Size-Large) in the existing TDs QRs/TDs of Bullet Proof Harness with Shoulder Pad.

2. In this connection, corrigendum to S. No 6 of the above QRs/ TDs against parameter 'Pouches for BP Plates' is forwarded herewith as under: -

Ser No	Parameter	For		Read	
		Existing Specification	Existing Trial Directive	Specification	Trial Directive
6.	Pouches for BP Plates	Dual size pouches to enable insertion of rubberised BP Plates of following dimensions, one at the front and one at the rear.	BP Steel Plates (10 to 12 Kgs) will be put in the Harness and functionality will be checked under various Ops conditions. A soldier will be made to wear the Harness and check its functionality by making him run (100 mtrs), crawl (20 mtrs) and jump from a height of one meter and later check pouches cover are covered properly.	Pouches to enable insertion of rubberized BP Plates of following dimensions or as specified by tendering agency, one at the front and one at the rear.	BP Steel Plates (10 to 12 Kgs) will be put in the Harness and functionality will be checked under various Ops conditions. A soldier will be made to wear the Harness and check its functionality by making him run (100 mtrs), crawl (20 mtrs) and jump from a height of one meter and later check pouches cover are covered properly. To be physically checked by the BOO
		(a) 380mm x 360mm	To be physically checked by the BOO	(a) 380mm x 360mm.	
		(b) 350mm x 300mm		(b) 350mm x 300mm.	

3. This has the approval of DG, NSG on E-Note No 65 dated 16 Feb 2026 (Computer No 105011).

(राजेश रंजन)

ग्रुप कमांडर (क्रय)

फोन- 011-25663100

ईमेल- gcproc@nsg.gov.in

Copy to: -

1.	JS (PM), MHA, Jaisalmer House, New Delhi	For information please.
2.	Section Officer (IT), NIC, MHA, North Block, New Delhi Email : soit@nic.in mpsugandhi@nic.in	You are requested to upload this corrigendum alongwith QRs/Technical specification of Bullet Proof Harness with Shoulder Pad approved by MHA on 18 Aug 2012 and Trial directives on 15 May 2013 respectively on MHA website (PM Division- QRs under Protective Gear Category in approved QRs/TDs and delete the old QRs dated 18 Aug 2012 shown at SI No. 15 of Protective Gear category and TDs dated 15 May 2013 shown at SI No 10 of BDDS Equipment category please.

3.	Ops (WE), HQ NSG	For info and necessary action please.
4.	SC (Prov) GeM, HQ NSG	For info and necessary action for uploading in GeM
5.	SC (Proc), Prov Branch HQ NSG	For information please.

28 AUG 2012

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↓ (LHO)

U. P. No. (Serial)	231
DIG (Prov.)	2818
CC	0803
Secy	0802
Head Clerk	781

Bharat Sarkar/Government of India
Griha Mantralaya/Ministry of Home Affairs
PM Division/Prov. I Desk

26, Man Singh Road, Jaisalmer House
New Delhi, Dated 1 August, 2012

2818 (Prov.)
2818

Subject : Technical Specifications/QRs for Bullet Proof Harness with Shoulder Pad.

The Technical Specifications/QRs for Bullet Proof Harness with Shoulder Pad as per Annexure has been accepted by the Competent Authority in MHA

- Henceforth, all the CAPFs should procure the above items required by them strictly as per the laid down Technical Specifications/QRs.
- The trial directive for Bullet Proof Harness with Shoulder Pad will be circulated later after these are prepared by NSG and approved by the competent authority in MHA.

SL

(S. B. Nanda)
Under Secretary to the Govt. of India
Tel 23381278

DsG : Assam Rifles (through LOAR)/BSF/CISF/CRPF/ITBP/NSG/SSB/BPR&D.
MHA UO no. IV-21011/1/2010-Prov.I, Dated : August, 2012

NSG is requested to formulate the trial directives for Bullet Proof Harness with Shoulder Pad keeping in view the instructions issued by MHA on 13 06 2012 and forward the same to the Ministry for approval at the earliest.

(S. B. Nanda)
Under Secretary to the Govt. of India
Tel : 23381278

Copy to :

- Director (Procurement), MHA.
- PS to JS (PM)

DIG Prov
2818

NGO Dy No. VI/2992
DATE 24/08/12

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(230)

QRs FOR BULLET PROOF HARNESS WITH SHOULDER PAD

Features for Cloth Harness.

1. Harness made of Polyester cotton cloth to carry two rubberized BP Steel Plates.
2. Provision available for insertion of trauma pad behind the BP Plates for minimizing blunt trauma to the wearer due to the bullet impact.
3. Cummer bund' design ensures proper weight distribution and free limb movement. Velcro fasteners have been provided to ensure snug fitment to differing contours of wearer.

Product Specification.

4. Harness Fabric (Weight is given for 1m x1m size fabric).
 - (a) Outer : Polyester cotton cloth of 195 gms (± 5 gms). (Color to be specified by the user)
 - (b) Inner : Cloth cotton drill of 215 gms (± 5 gms). (Color to be specified by the user)
 - (c) Water resistant PU coated nylon fabric of 60 gms (± 3 gms) for covering trauma pad.
5. Shoulder Pad. PU High Density 30mm Thick Foam 11cm wide embedded in the harness.
6. Pouches for BP Plates. Dual size pouches to enable insertion of rubberized BP Plates of following dimensions, one at the front and one at the rear.
 - (a) 380mm x 360mm.
 - (b) 350mm x 300mm.
 - (c) Stitching tape incorporate in pouch stitching to ensure adequate weight bearing capacity. Three row stitching to ensure adequate strength and ruggedness for operational use with 5-7 stitches per 25mm.
 - (d) All the clothing flaps of cloth harness should have high quality velcro fastners, so that it can be wor and taken off esaily/quickly. The peel and shear strength of the velcro used shall not be less than 250 Newton/cm² and 1300 Newton/ cm² respectively when tested as per IS:8156-1994.
 - (e) Inclusion of multipurpose box pocket size 21x15 Cms in front of harness.
 - (f) Pocket with velcro strap on front right hand side of harness to keep Hand Held Radio Set

7. Pouches for Trauma Pads.

(a) Pouches are provided on the inner side of the harness, on the cloth cotton drill. Dimensions of the pouches will be 360mm x340mm. The pockets will accommodate pads of 30mm thick high density polyurethane foam of dimensions 300mm x300mm enclosed in Synthetic, water repellent cloth.

(b) Suitable flap covers with velcro fastners will be provided.

8. Pockets for carriage of ammunition magazine.

(a) Two pouches will be provided on the front side for carriage of two magazines of LMG in each pocket. Stitching tape will be incorporated in pouch stitching to ensure adequate weight bearing capacity. The pockets will have flap cover with velcro fastners. Dimensions of the pockets will be as under :-

(i) 230mm x 120mm.

(ii) 230mm x 120mm.

9. Pockets for carriage of Grenades.

(a) Two pouches will be provided on the front side for carriage of two grenades in each pocket. Stitching tape will be incorporated in pouch stitching to ensure adequate weight bearing capacity. The pockets will have flap cover with velcro fastners. Dimensions of the pockets will be as under :-

(i) 230mm x 120mm.

(ii) 230mm x 120mm.

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10. Leading Particulars.

- (a) Overall length : 1340mm (±10%).
- (b) Weight of Harness : 1000 gm (±10%).

11. Trauma Pad.

- (a) Weight of Trauma Pad (Pair) 200 gm (±10%).
- (b) Dimensions of Trauma Pad.
 - (i) Size - 300mm x 300mm.
 - (ii) Thickness - 30mm.

P.R. K... *[Signature]* *Part 6.*

[Signature] *COL R S Chhillar* *(GMC 7044 Gupta)*
BPRC D

[Signature] *[Signature]* *[Signature]*
JUGRAJ SINGH *CS Bhanderi, UC*

Approved/Not approved

Approved.

[Signature]
 (RK Medhekar)

Director General, NSG

[Signature]
 (VIPIN V NAIK)
 S/Asst

[Signature]
[Signature]

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[Signature]

No. IV-21011/01/2010-Prov.I
Government of India/भारत सरकार
Ministry of Home Affairs/गृह मंत्रालय
Police Modernization Division/पुलिस आधुनिकीकरण प्रभाग
Prov.I Desk/संभरण-I डेस्क

26, Mansingh Road, Jaisalmer House,
New Delhi, the 15th May, 2013

To,

DsG : AR/BSF/CISF/CRPF/ITBP/NSG/SSB & BPR&D

Subject : Trial Directives of Bullet Proof Harness with Shoulder Pad.

The Trial Directives in respect of Bullet Proof Harness with Shoulder Pad as per the Annexure have been accepted by the Competent Authority in MHA

2. Henceforth, all the CAPFs should trial evaluate the above items strictly as per the laid down Trial Directive and Technical Specifications/QRs issued vide letter of even number dated 18.08.2012.



(Smt. S B Nanda)

Under Secretary to the Govt. of India

Encl : As above (Five Pages).

Copy to :

1. SO, IT Cell, MHA – with the request to host the QRs/Specification of Bullet Proof Harness with Shoulder Pad on the official website of MHA (under the page of organizational set up, Police Modernization Division) and confirm to this Division. Softcopy is being sent through email also.
2. Director(Procurement), MHA

Copy for information to PS to JS(PM).



(R K Soni)

Section Officer(Prov.I)

TRIAL DIRECTIVES : BULLET PROOF HARNESS WITH SHOULDER PAD

24

Ser No.	Parameters	Method	Remarks
Features for Cloth Harness			
01.	Harness made of Polyester cotton cloth to carry two rubberized BP Steel Plates	BP Steel Plates (10 to 12 Kgs) will be put in the Harness and functionality will be checked under various Ops conditions. A soldier will be made to wear the Harness and check its functionality by making him run (100 mtrs), crawl (20 mtrs) and jump from a height of one meter and later check whether it fits properly, flaps covers are properly fitted, pouches (stitches) not bursting at its seams.	-
02.	Provision available for insertion of trauma pad behind the BP Plates for minimizing blunt trauma to the wearer due to the bullet impact	Trauma pad will be inserted in the provision provided and functionality will be checked under various ops condition as specified above.	-
03.	'Cummer Bund' design ensures proper weight distribution and free limb movement Velcro fasteners have been provided to ensure snug fitment to differing contours of wearer	Free limb movement and proper weight distribution of 'Cummer Bund' by Velcro fasteners by fitting the harness on differing contours i.e. on different persons of various sizes will be carried out.	-
Product Specification-			
04.	Harness Fabric (-Weight is given for 1m x 1m size fabric)	Will be calculated / measured accordingly.	-
(a)	<u>Outer</u> : Polyester cotton cloth of 195 gsm** (+/-5 gsm) (Color to be specified by the user)	Test certificate from NABL to be provided by the firm/supplier.	-
(b)	<u>Inner</u> : Cloth cotton drill of 215 gsm** (+/-5 gsm) (Color to be specified by the user)	Test certificate from NABL to be provided by the firm/supplier.	-

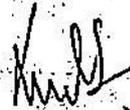
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 Sec (FOS) Eng Centre NSG
 M. K. Gupta
 DC/NSG

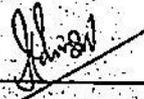
[Signature] M. K. Gupta
 TIC, NSRG
 NSG
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 (V.P.)
 Lt Col
 ZC (NSG)

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 Lt Col
 (A. K. Singh) Kumar
 PSO (NS), HQ BPR RD.
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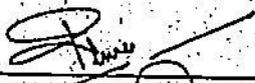
Ser No.	Parameters	Method	Remarks
(e)	Water resistant PU coated nylon fabric of 60 gms (+/- 3 gms) for covering trauma pad.	Test certificate from NABL to be provided by the firm/supplier.	-
05.	<u>Shoulder Pad</u> : PU High Density, 30mm Thick Foam 11cm wide embedded in the harness	To be physically checked by the BOO.	-
06.	<u>Pouches for BP Plates</u> Dual size pouches to enable insertion of rubberized BP Plates of following dimensions, one at the front and one at the rear.	BP Steel Plates (10 to 12 Kgs) will be put in the Harness and functionality will be checked under various Ops conditions. A soldier will be made to wear the Harness and check its functionality by making him run (100 mtrs), crawl (20 mtrs) and jump from a height of one meter and later check pouches cover are covered properly.	-
(a)	380 mm x 360mm	To be physically checked by the BOO.	-
(b)	350mm x 300mm	To be physically checked by the BOO.	-
(c)	Stitching tape incorporate in pouch stitching to ensure adequate weight bearing capacity. Three row stitching to ensure adequate strength and ruggedness for operational use with 5-7 stitches per 25mm.	Certificate to be provided by the firm/suppliers. BP Steel Plates (10 to 12 kgs) will be put in the Harness and functionality will be checked under various Ops conditions as specified at para 6 above.	-


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M. K. Gupta
T/C, NSRG
NSG



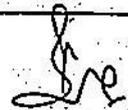

M. S. G. H. D.
BSF



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Col (Retd) Sunil Kumar
PSO (w) HA, BPR&D

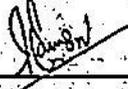


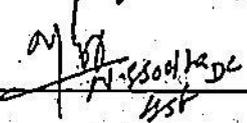


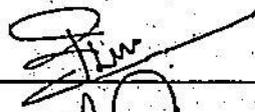
Ser No.	Parameters	Method	Remarks
(d)	All the clothing flaps of cloth harness should have high quality Velcro fasteners, so that it can be worn and taken off easily/quickly. The peel and shear strength of the Velcro used shall not be less than 250 Newton/cm ² and 1300 Newton/cm ² respectively when tested as per IS:8156-1994.	Certificate from NABL w.r.t IS : 8156-1994 to be provided by the firm/supplier. Functionality will be checked by the BOO.	-
(e)	Inclusion of multipurpose box pocket size 21 x 15 Cms in front of harness	To be physically checked by the BOO.	-
(f)	Pocket with Velcro strap on front right hand side of harness to keep Hand Held Radio Set.	To be physically checked by the BOO.	-
07.	<u>Pouches for Trauma Pads</u>		
(a)	Pouches are provided on the inner side of the harness, on the cloth cotton drill. Dimensions of the pouches will be 360mm x 340mm. The pockets will accommodate pads of 30mm thick high density polyurethane foam of dimensions 300mm x 300mm enclosed in Synthetic, water repellent cloth	Certificate for synthetic water repellent cloth from accredited lab to be provided by the firm / supplier. Also will be checked physically by the BOO.	-
(b)	Suitable flap covers with Velcro fasteners will be provided	Trauma Pads will be put in the Harness and functionality will be checked under various Ops conditions as specified above.	Trauma Pads To be provided by the OEM

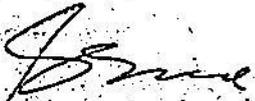

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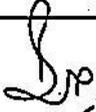
 Mr. K. Gupta
 TIC, NSG
 NSG



 Ansookhade
 NSG



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 Sonil Kumar
 (Chief) P.S.O (w) HQ, BPRD



Ser No.	Parameters	Method	Remarks
05.	<u>Pockets for carriage of Ammunition Magazine</u>		
(a)	Two pouches will be provided on the front side for carriage of two magazines of LMG in each pocket. Stitching tape will be incorporated in pouch stitching to ensure adequate weight bearing capacity. The pockets will have flap cover with Velcro fasteners. Dimensions of the pockets will be as under:-	Dimensions will be measured and functionality test will be carried out by putting completely filled magazines of LMG. Certificate for Velcro strength to be provided by the firm/supplier from an accredited lab.	-
i)	230mm x 120mm	To be physically checked by the BOO.	-
ii)	230mm x 120mm	To be physically checked by the BOO.	-
09.	<u>Pockets for carriage of Grenades</u>		
(a)	Two pouches will be provided on the front side for carriage of two grenades in each pocket. Stitching tape will be incorporated in pouch stitching to ensure adequate weight bearing capacity. The pockets will have flap cover with Velcro fasteners. Dimensions of the pockets will be as under :-	Grenades will be put in each pocket to check weight bearing capacity, check whether flap covers are properly fitted or otherwise. Certificate for Velcro functionality test from an accredited lab to be provided by the firm/supplier.	-
i)	230 mm x 120mm	To be physically checked by the BOO.	-
ii)	230 mm x 120mm	To be physically checked by the BOO.	-
10.	<u>Leading Particulars</u>		
(a)	Overall length - 1340mm (+/- 10%)	To be physically checked by the BOO.	-
(b)	Weight of Harness - 1000 gm (+/- 10%)	To be physically checked by the BOO.	-

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SC (PS) by Lt Col NSG
at
N. S. S. D. C.
NSK

M. K. Gupta
TIC, D. S. S.
NSK

S. S. S.
Col (Retd) Sunil Kumar
PSO (C) HA B. R. S.

S. S.

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11.	<u>Trauma Pad</u>		
(a)	Weight of Trauma Pad (Pair) 200 gm(+/- 10%)	To be physically checked by the BOO.	-
(b)	Dimensions of Trauma Pad	To be physically checked by the BOO.	-
i)	Size - 300mm x 300mm	To be physically checked by the BOO.	-
ii)	Thickness - 30mm	To be physically checked by the BOO.	-

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SC (FOS) Hyderabad NSG

~~Handwritten signature~~ M.K. Gupta
TIC, IUGS
NSG

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(K) Suresh Babu, DGA

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NSG

~~Handwritten signature~~ Rajesh Kumar
NSG

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Col (Retd) Sunil Kumar
PSO (S) HQ BPRD

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20/10

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DCR (now) NSG

Approved/Not approved

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6/11/10
(Subhash Joshi)
Director General, NSG