

**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 10th August, 2012

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.

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

3. 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.



(S. B. Nanda)

Under Secretary to the Govt. of India

Tel : 23381278

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(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

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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.



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Copy to :

- 11/09
- (i) Director (Procurement), MHA.
 - (ii) PS to JS (PM)

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P. B. N. W.
dt 22/8/12

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.

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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 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.

(b) Suitable flap covers with velcro fasteners 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 fasteners. 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 fasteners. 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 ($\pm 10\%$).
- (b) Weight of Harness : 1000 gm ($\pm 10\%$).

11. Trauma Pad.

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

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(JUGRAJ SINGH) (CS Bhadori, DC) (S. P. Singh)

(VIPIN K NAIK)
Sector
(MADHAN REDDI)

Approved/Not approved

Approved.

(RK Medhekar)
Director General, NSG

(S. P. Singh)
(S. P. Singh)
NSG

M. S. Yadav