

No. IV-21011/31/2009-Prov 421
भारत सरकार/Government of India
गृह मंत्रालय/Ministry of Home Affairs
पुलिस आधुनिकीकरण प्रभाग /Police Modernization Division
संभरण-I डेस्क /Prov.I Desk

26, Man Singh Road, Jaisalmer House,
New Delhi, the 27th February, 2015

To,

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

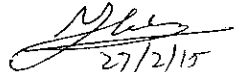
Subject: Trial Directives of Knee and Elbow Pad.

Sir,

The undersigned is directed to refer to the subject mentioned above and to say that the Trial Directive in respect of Knee and Elbow Pad as per Appdx-I have been approved 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 Specification/QRs.

Yours faithfully,

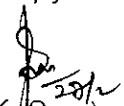

27/2/15
(M. K. Chahar)

Under Secretary to the Govt. of India

Encl: As above.

Copy forwarded for necessary action to:

✓ SO (IT), MHA - with the request to host the Trial Directives of Knee and Elbow Pad on official website of MHA (under the page of Organizational Set up, Police Modernization Division-clothing equipments). Soft copy is being sent through email also.


28/2/15
(R. K. Soni)
Section officer (Prov-I)

Copy to: DDG (Procurement), MHA

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TRIAL DIRECTIVES OF KNEE AND ELBOW PAD

(The Trial Directives based on QRs/Specification approved vide MHA letter No.IV-21011/31/2009-Prov-I dated 21.07.2009)

AIM

To frame Trial Directives to facilitate Board of Officers to carryout physical/technical evaluation of samples of Knee and Elbow Pad at the time of procurement.

COMPOSITION OF THE TRIAL

The trial will be conducted on the basis of

- (a) Physical specification : To be checked by BOO.
- (b) Technical specification: NABL accredited lab test report as per requirement of QRs

No parts or accessories of Knee and Elbow Pad will be replaced/changed once the technical evaluation of tender sample has commenced.

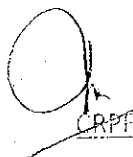
GENERAL REQUIREMENT

Following material should be available during the technical evaluation of Tender sample:-

- (a) Advance Tender sample of Knee and Elbow Pad as per QRs;
- (b) Measuring tape & Weighing machine;
- (c) Computer with printer;
- (d) Calculator and
- (e) Sufficient stationery including clip board, plain papers, pen and pencils etc.

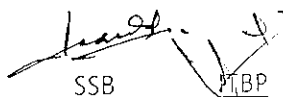
GENERAL INSTRUCTIONS

- (a) This Trial Directive is issued to assist and guide the evaluation committee. Nothing in this Trial Directives absolves the BOOs from their responsibility to ensure that the evaluation is carried out strictly as per the specifications in every respect.
- (b) The Technical Evaluation Committee may carry out additional test which they consider necessary after seeking approval of Competent Authority, to verify the quality of the tender sample with the specifications.


CRPF


BSF


CISF


SSB

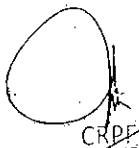

ITBP


AVRF


BPR&D

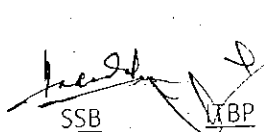
TRIAL DIRECTIVES OF KNEE AND ELBOW PAD

S/N	QRs	Trial Directives
1	<p>Tactical Application (a) Provide effective padding /cushioning to knees and elbows. (b) Should be effective on various surfaces including indoor and outdoor operations.</p>	<p>(i) The NABL accredited lab test report required</p> <p>Material</p> <p>The material codura 100 DPU coated shell lining 190 T.</p> <p>Exterior shell</p> <p>Hard PE (Poly Ethylene) Knee and Elbow Cap.</p> <p>Interior Shell</p> <p>EVA (Ethylene Vinyl Acetate) foam backing for comfort.</p> <p>(a) Provide effective padding/cushioning to knees and elbows. (b) Should be effective on various surfaces including indoor and outdoor operations</p> <p>(ii) The BOO to check physically, the effectiveness of the padding/cushioning to the Knee and Elbow Pad by using it.</p> <p>(iii) Easy to wear.</p>
2	<p>Effect (a) Adequate durability and ease of use. (b) Should facilitate normal movement of knees and elbows.</p>	<p>The BOO to check physically by wearing equipment. It should give a feel of comfort.</p>
3	<p>Usage (a) Adjustable braces for different width girth. (b) Tough abrasion resistant material. (c) Replacement/customized padding for varied usage.</p>	<p>Adjustable braces shall be checked by adjusting the Knee and Elbow Pad as per convenience by the Board of Officers.</p>


CRPF


BSF


CISF


SSB


LTBP


ARife


BPR&D

(10)
[Signature]

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Maintenance

- (a) Washable and anti-skid material.
- (b) Fast colour, should not fade after prolonged use.
- (c) Waterproof material.
- (d) Light in weight. Colour to be specified by user.

Water proof

• NABL accredited laboratory test report is required from the firm to confirm the material to be water proof.

Colour code :

• The NABL lab report required for checking colour code as per CIE LCH, D65 illuminate observer, 10 Degree Standard observer, 2:1 CMC(l:c) for brown, green and khaki colours:-

	X	Y	Z
Brown	5.664	5.640	4.432
Green	4.103	4.654	4.176
Khaki	16.918	17.722	10.822

	L	C	H
Brown	28.485	8.448	63.758
Green	25.725	5.988	135.782
Khaki	49.157	19.275	87.970

Colour difference, $\Delta E_{cmc} \leq 3.0$

• Colour fastness:- Colour fastness to washing by IS 764:1979 (4 or better); to rubbing by IS 766:1983 (4 or better); to rubbing by IS 766; 1988 (4 or better); and to light by IS 2454:1985 (5 or better).

Size

Weight and size shall be checked by the BOO as per dimension given below:-

Dimensions (Tolerance $\pm 5\%$)

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CRPF

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BSF

[Signature]
CISF

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SSB

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ITBP

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ARNT

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BPR&D

(S)
(B)

Medium size

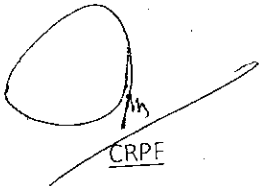
Knee Pad

Width Inch (cm)	Height Inch (cm)	Strap Length Inch (cm)	Strap Width Inch (cm)	Weight (pair) (Kg)
8.5" (21.6)	10.5 (26.7)	11 (28)	1.5 (3.8)	0.30

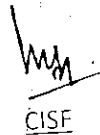
Elbow pad

6 (15.2)	8.5 (21.6)	7 (17.8)	1.25 (3.2)	0.25
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Small and Large size are $\pm 20\%$ of medium size with Tolerance Clause.


CRPE


BSF


CISF


SSB


ITBP


A/RHe


BPR&D