

No. U-II-25/2011-12-Prov-(CoBRA)
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.

To,

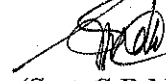
DsG : AR/BSF/CISF/CRPF/ITBP/NSG/SSB & BPR&D

Subject : QRs/Specification of Bed Mattress, Pillow, Pillow Cover & Bed Sheet.

The QRs/Specification of Bed Mattress, Pillow, Pillow Cover & Bed Sheet as per annexure have been approved by the Competent authority in MHA.

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

Yours faithfully,


14.12.12
(Smt. S B Nanda)

Under Secretary to the Govt. of India

Encl : As above (Three Pages).

Copy to :

1. SO, IT Cell, MHA – with the request to host the QRs/Specification of Bed Mattress, Pillow, Pillow Cover & Bed Sheet on the official website of MHA (under the page of organisational set up, Police Modernisation 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).

BOARD PROCEEDINGS

Proceeding of : Board of Officers
Assembled at : Directorate General, CRPF, New Delhi.
On : 14/09/2012
By the order of : DG, CRPF letter No.U-II-14/2012-13- PROV-CLO
Dated 12/09/2012.
For the purpose of : For framing of QRs / Specification of **Bed Mattress,
Pillow, Pillow cover & Bed Sheet White**

Pursuant to the CRPF letter No. U-II-14/2012-13- PROV-CLO dated 12/09/2012, a board of Officers comprising following authorities of CAPFs have assembled in the Conference Hall of Dte. CRPF, New Delhi on 14/9/2012 to finalise QRs/Specification of the **Bed Mattress, Pillow, Pillow cover & Bed Sheet White**. The technical parameters are given below :-

1) SPECIFICATION OF MATTRESS :

Foam Mattress :

Size 72"X36"X4" made from foam of 40 density having two layers of 28 mm on upper and lower layer, which provide a medium soft feel to the mattress. Middle of the mattress having 25 mm EPE sheet parametric encapsulation preventing the de-shaping for prolonged usage. The foam should be bonded using natural latex of minimum 25% DRC. This entire rounded corner sandwich construction enveloped in superior 80 GSM Fabric. Specification of foam :

Test Method	ASTM D 3574 (all)
<u>PROPERTY</u>	<u>Value</u>
Color	White
Life	2-3 years
Compression	30-40 % min
Density (Lbs/Cubic Ft)	1.5
25% IFD (Lbs)	36
Support Factor (65%/25% Min)	1.90
Air Flow (CFM) Min	3.00
Tensile (PSI) Min	14.0
Elongation(%) Min	200
Tear(PPI) Min	1.50
Resiliency (%) Min	40

(2) SPECIFICATION OF BED SHEET

FABRIC CONTENTS : THE SHEET BE MANUFACTURED FROM 48 PERCENT POLYESTER & 53 PERCENT COTTON. THE SIZE SHOULD BE 274.3 Cms X 228.6 Cms

Table -I

VARIETY NO.	FIBRE CONTENTS	APPROXIMATE CONT OF YARN COTTON COUNT TEX		WEAVE	ENDS/C M MIN	PICKS CM MIN	MASS G /M2 MIN
		WARP	WEFT				
1	2	3	4	5	6	7	8
1	48% POLYESTER 52% COTTON	20S(30 TEX)	20S(30 TEX)	PLAIN	28	25	155

Table -II

VARIETY NO.	BREAKING LOAD ON 50X20 STRIP (REVELLED STRIP METHOD MIN		DIMENSIONAL CHANGE (SHRINKAGE OF ELONGATION) % MAX		SCOURING LOSS % MAX	pH value 7	Resistance to pilling Min
	WARP WAY	WEFT WAY	WARP WAY	WEFT WAY			
	WARP WAY	WEFT WAY					
1	2	3	4	5	6	7	8
	N(Kgf)	N(Kgf)					
1	650(66)	600(61)	1.5	1.5	2	6.0 to 8.0	4

(3) SPECIFICATION OF PILLOW :

POLYESTER STAPLE FIBRE PILLOWS SIZE : 57X 30X10 CMS (± 2 CM) WEIGHT 400 GRAMS ± 5 %

CONSTRUCTION DETAILS : MATERIAL FOR PILLOW POLYESTER STAPLE FIBRE : FIBRE CONTENT : 100 PERCENT VIRGIN HOLLOW FIBRE NON COMPRESSED IN THE FORM OF SHEET IDENTIFICATION OF FIBRE HOLLOWNESS WILL BE AS PER IS -667/1981 OR LATEST.

Description	Dimensions	Minimum suggested Filling Weight	Weight Tolerance	Demensions	Minimum suggested Filling Weight	Weight Tolerance
Standard size	20"X26"	22oz	+5%	Varies by country	2kg/m2	+5%
Queen size	20"X30"	25 oz	+5%		2kg/m2	+5%
King size	20"X36"	34 oz	+5%		2kg/m2	+5%

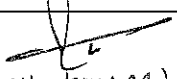
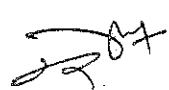
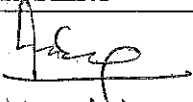
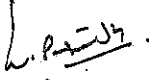




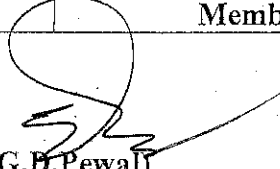
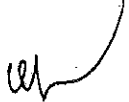
(4) SPECIFICATION OF PILLOW COVER :

COVER FABRICS :-

SHELL FABRICS FOR PILLOW MUST HAVE SUFFICIENT QUALITY THAT PROVIDES DURABILITY THROUGH AT LEAST THREE WASH (FRONT LOADING WASHER) AND TUMBLE DRY CYCLES, CONTROLS AIR PERMEABILITY WITH NO FIBER LEAKAGE THROUGH SHELL FABRIC DURING USE AND IS PRESS DURABLE.

FABRIC PROPERTY	ENGLISH UNITS
MINIMUM THREAD COUNT	152/IN2(96Wx56f)
DOWN-PROOF FABRIC MINIMUM THREAD COUNT	180/IN2
AIR PERMEABILITY @ 1.3.CM OR 0.51N WATER PRESSURE	<40FT3/FT2 /MIN
MINIMUM WEIGHT	3.5OZ/YD2

The specification of subject items prepared by CRPF board of officers was published in CRPF Website to know the views of trade. Changes in technical parameters suggested by the firms have been incorporated in QR/Specification. The Sub group of CAPF have gone through the final QR/specifications and found in order.

 (ARUN KUMAR) Member-VIII Assam Rifles	 (M.K. Sarda) Member-VII NSG
 (C. Kaishing) Member-VI SSB	 (K.P. Singh, AEA (Prov)) Member-V CISF
 Member-IV ITBP Ashok Kumar Singh Dy. SP	 Member-III BSF DC (Prov)
 P. Ansal Dr. M.M. Goswami BPR&D Member-II	 (M.P.S. Negi) DIG (Prov) CRPF Member-I
 (G.D. Pewal) IG (Prov) CRPF	
 (K. Vijay Kumar) Director General of CRPF. Chairman	