

612514/2024/PROV Branch

No. 21011/02/2011-Prov-I
 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 21 November, 2014

To,

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

Subject: Revised QRs/Specifications of Mosquito Net LLINs.

The undersigned is directed to refer to the subject mentioned above and to say that the revised QRs/Specifications in respect of Mosquito Net LLINs as per Annex-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 QRs/Specification.
3. Concerned CAPF will be accountable for correctness of the QRs/Specifications of Mosquito Net LLINs.
4. QRs/Specifications of Mosquito Net LLINs issued earlier vide MHA letter No. IV-21011/2/2011-Prov-I dated 11.4.2011 is rescinded.

Yours faithfully,




(P.K. Srivastava)

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 revised QRs/Specifications of Mosquito Net LLINs on official website of MHA (under the page of Organizational Set up, Police Modernization Division) and remove earlier QRs/Specifications vide letter No.IV-21011/2/2011-Prov-I dated 11.4.2011 (<http://mha1.nic.in/QRs/clothings/LLINs MosquitoNet.pdf>). Soft copy is being sent through email also.



(R. K. Soni)
 Section officer (Prov-I)

Copy to: Director (Procurement), MHA

Technical Specification of Mosquito Net LLINs(Revised 2014)

Vendors / Bidders are required to comply the technical parameters / specification as mentioned below and the bidders are not allowed to make any change in the minimum requirement as mentioned below. Such changes might disqualify your bid:-

Requirement

LLINs offered shall be WHOPEs recommended and must be registered with Central Insecticide Board of India under Insecticide Act-1968

Dimension

The LLINs shall conform to the following dimensions:-

Family size

Length: 220±5 cms

Width: 115±5 cms

Height: 155±5 cms

Weight : 600 gms or less.

Additional requirements

Fiber characteristics : Minimum 100 denier

Gram per square meter: 40 ±10%.

Bursting strength : HDPE-350 Kpa, Polyester-250 Kpa

Mesh size : HDPE/ Polyester- Each hole size should not be larger than 2mm x 2mm. (Mesh should minimum 156 holes per square inch or 25 holes per square cms.

Color : Khaki

Wash resistance : up to 20 washes

Shelf life : Minimum 2 years

Manufacture and workmanship

MANUFACTURE AND WORKMANSHIP.

(1) **Wall and Top:** The top shall be made from single joint piece of netting in case of family size mosquito nets. The wall shall be made from one piece of netting and shall be closed with lapped seam and seam shall be at one of the corner. One edge of the netting of the wall shall be attached to the netting at the top by means of a plain seam.

(2) **Tying loops:** The net shall be provided with same fabric stitched tying six loops. The loop shall be 12-15 mm wide and made of same fabric as of wall and top.

CRPF

BSE

CISF

ITBP

BPR&D

C-MO(O/O ADG MED)

NSG

ARIF

SSB

(3) **Stitching:** The net shall be made with lock stitch of even tension throughout loose ends securely fastened off. The numbers of stitches per decimeter shall be 30 to 38. The Stitching shall be made by using same fabric sewing thread of matching shade.

TREATMENT WITH INSECTICIDES:

The LLINs shall be in the form of netting impregnated with one of the formulation as under:

1. PERMETHRIN

- a. WHO specification 331/TC (October 2013).
- b. Permethrin content: The Permethrin content shall be 20 gm/kg, the average content shall not differ from declared by more than $\pm 25\%$.
- c. Wash resistance index 1: The wash resistance index of Permethrin from netting shall be within the range of 97-100%.

2. ALPHA-CYPERMETHRIN

- a. WHO specification 454/SC (April 2006).
- b. Alpha-Cypermethrin content: The Alpha-Cypermethrin content shall be 6.7 gm/kg for 75 denier yarn and 5.0 gm/Kg for 100 denier yarn. The average content shall not differ from declared by more than $\pm 25\%$.
- c. Alpha-Cypermethrin retention index 2: The retention index of Alpha-Cypermethrin from netting shall be within the range of 90-98%.

3. DELTAMETHRIN

- a. WHO specification 333/TC (November 2012).
- b. Deltamethrin content: The Deltamethrin content shall be declared and the average content shall not differ from declared by more than $\pm 25\%$.

1 The CIPAC method MT 195 for determination of wash resistance index of LN was adopted as full CIPAC method in 2013. Copies of the method may be obtained through the CIPAC website, <http://www.cipac.org/cipacpub.htm>

2 The method for determination of alpha-cypermethrin retention index is available through the CIPAC website, <http://www.cipac.org>.

[Subject to above chemicals are approved by Central Insecticide Board (CIB). A certificate issued by Central Insecticide Board in this regard will be produced/provided by the vendor and concerned department may also carry out verification of the same at own level.]

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MARKING


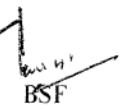



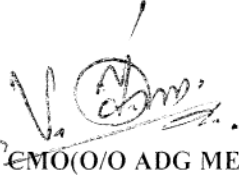
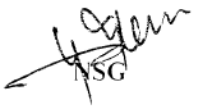


The following information shall be indelibly marked on cloth label securely stitched at any top corner of the set.

- a) Size of the net, namely overall length (cm), overall width (cm), overall height (cm)
- b) Name of fiber of netting and its variety number
- c) Mesh size
- d) Month and year of Manufacturer
- e) Any other information mentioned in Contract/ PO/ Statutory provisions

The above information along with number of pieces shall also be printed/ Stenciled on each bale.

PACKING

As per CIB registration norms.

 CRPF  BSF  CISF  ITBP  BPR&D  CMO(O/O ADG MED)  NSG  A/RIF  SSB