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मंत्रालय रक्षा
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मानकीकरण विदेशालय
Asst. Director (D.C.)
मानकीकरण विदेशालय
Directorate of Standardisation
रक्षा मंत्रालय, नई दिल्ली
Min. of Defence, New Delhi

रक्षा मंत्रालय
MINISTRY OF DEFENCE

ज्वाइंट सर्विस स्पेसिफिकेशन
JOINT SERVICES SPECIFICATION

ON

BAG, SLEEPING, MK - 4

(DS CAT NO . 8465 - 000 106 to 000 109 FOR MAIN BODY)
(DS.Cat No. 8465 - 000 138 to 000 141 FOR LINER)

मानकीकरण विदेशालय

रक्षा उत्पादन विभाग

रक्षा मंत्रालय

'एच' - ब्लॉक, निर्माण भवन डाकघर
नई दिल्ली - 110 011

DIRECTORATE OF STANDARDISATION
DEPARTMENT OF DEFENCE PRODUCTION
MINISTRY OF DEFENCE
'H' - BLOCK, NIRMAN BHAVAN, P.O.
NEW DELHI - 110 011

LIST OF MEMBERS ASSOCIATED WITH FORMULATION OF THIS STANDARD

1. The revision of this Joint Services Specification has been approved by Shri Sanjeev Kapur Addl DGQA (S), Chairman, Stores Standardisation Sub - Committee.
2. The following members have been associated in preparing the document :-

Sl. No.	Name and Designation	Organisation
(a)	Wg Cdr SKS Gosain, JDQAS (S & C)	DQAS (Aero) / Air HQ
(b)	S. Chakraborty, SSO - I	CQA (T & C)
(c)	Dr. S. K. Pandey, SSO - II	CQA (M)
(d)	Shri C.B. Pandey, JAG (NFSO)	CQA (PP)
(e)	Shri D K Pujari, SSO - I	CQA (GS)
(f)	Cdr. Naveen Kumar (IN)	DQA (N)
(g)	Shri Jamail Singh, Dy Director	DGAQA
(h)	Sh. Suraj Raj, SSO - II	DGAQA
(j)	Maj. S. Bansal, DD OS (PII)	MGO / CP Cell / OS Dte.
(k)	Shri A K Handa, Jt Dir. Stdn Cell (Army)	MGO Br / EM / GS & C
(l)	Wg Cdr Chaturvedi, Deputy Director	Dte of Stores / Air HQ
(m)	Lt. Col Pankaj Bisht, Jt Dir EM (Std) (Army Std Cell)	MGO / EM / Std
(n)	Shri BL Jatav - NSO	NHQ / DCV
(o)	Cdr R Venkatesan, JDME	NHQ / DOS (E)
(p)	Dr. D N Tripathi, Sc. 'F'	DMSRDE
(q)	Shri S B Yadav, Sc. 'F'	DMSRDE
(r)	Cdr. Manish Singh (JDLS)	JDLS
(s)	Shri S.K. Bandyopadhyay, JGM	OEF, Kanpur
(t)	Shri Ajay Satija, AE (QA)	DSC, Kanpur
(u)	Lt. Col. Parveen Deo	Secy, SSSC

JSS 8465 - 25 : 2013
(Revision No. 2)

RECORD OF AMENDMENTS

Amendment		Amendment pertains to : Sl. No. / Para No. / Column No.	Authority	Amended by		Signature and Date
No.	Date			Name & Appointment (IN BLOCK LETTERS)		

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0. **FOREWORD**

0.1 This specification has been prepared by the Stores Standardisation Sub - Committee on the authority of Standardisation Committee, Ministry of Defence.

0.2 This specification has been approved by the Ministry of Defence and is mandatory for use by the Defence Services.

0.3 This Specification has been revised on the basis of specification No. JSS 8465 - 25 : 2007 (Revision No. 1) and supersedes the same.

0.4 This JSS would be used for Manufacture, Quality Assurance and Procurement of the item.

0.5 Quality Assurance Authorities for the item covered in this specification are CQA (T & C), Kanpur, for Army, Navy and Air Force. Enquiries regarding technical parameters shall be addressed to the Quality Assurance Authority, while other enquiries shall be referred to :-

The Director,
Directorate of Standardisation,
Ministry of Defence,
'H' Block, Nirman Bhavan PO,
New Delhi - 110 011

0.6 Non - registered users can obtain the following on payment :-

(a) Copies of IS from :-

Bureau of Indian Standards,
Manak Bhavan,
9, Bahadur Shah Zafar Marg,
New Delhi - 110 002
or
their regional / branch offices

(b) Copies of JSS / JSG from :-

The Director,
Directorate of Standardisation,
Standardisation Documents Centre
Ministry of Defence
Room No.05, 'J' Block,
Nirman Bhavan PO,
New Delhi - 110 011

JSS 8465 - 25 : 2013
(Revision No. 2)

सहायक निदेशक (प्रमाणन)
Asst. Director (T.C.)
मानकीकरण निदेशालय
Directorate of Standardisation
भारतीय मानक, नई दिल्ली
Min. of Defence, New Delhi

- 0.7 Indian Standard (IS) specifications are available free of cost for registered users on :-

Directorate of Standardisation Website
www.defstand.gov.in
for registration visit our website.

- 0.8 This specification holds good only for the supply order for which it is issued.

- 0.9 Directorate of Standardisation Website. All the approved JSSs / JSGs are available on the Directorate of Standardisation Website www.defstand.gov.in Defence organisations desirous of accessing a copy of this document are requested to approach the Directorate of Standardisation for obtaining user id / password to access the website.

1. SCOPE

1.1 This specification covers the requirements of Bag Sleeping, Mk - 4. Complete with liner in four sizes extra large, large, medium and small and is in a bag type construction having tapering towards foot portion. It is intended for use by troops in cold climatic conditions.

2. RELATED SPECIFICATIONS

2.1 Reference is made in this specification to :-

Sl. No.	Specification No.	Nomenclature
(a)	IS 174 : 1983 (Second Revision) Reaffirmed - 2007 Amd - 1	Specification for Flannelettes
(b)	IS 280 : 2006 (Fourth Revision) Reaffirmed - 2010 Amd - 1	Mild Steel Wire for General Engineering Purposes
(c)	IS 1929 : 1970 (First Revision) Reaffirmed - 2013 Amd - 3	Specification for Hot Rolled Steel Strips (Baling)
(d)	IS 1544 : 1973 (First Revision) Reaffirmed - 2012 Amd - 3	Specification for Cotton Calico
(e)	IS 1720 : 1978 (First Revision) Reaffirmed - 2012	Specification for Cotton Sewing Threads
(f)	IS 1895 : 1982 (Second Revision) Reaffirmed - 2012 Amd - 1	Specification for Cotton NEWAR
(g)	IS 1912 : 1984 (Second Revision) Reaffirmed - 2011 Amd - 1	Specification for Country Jute Twine
(h)	IS 2505 : 1984 (Second Revision) Reaffirmed - 2008 Amd - 3	Specification for Low Density polyethylene Films

Sl. No.	Specification No.	Nomenclature
(j)	IS 2819 : 1983 (Second Revision) Reaffirmed - 2010	Specification for Braided Cotton Cord
(k)	IS 3049 : 1980 (First Revision) Reaffirmed - 2008 Amd - 2	Specification for Indian Kapok 5 th II
(l)	IS 4229 : 1992 (Second Revision) Reaffirmed - 2008 Amd - 1	Textiles - Nylon sewing threads for aerospace purposes - Specification
(k)	IS 4905 : 1968 Reaffirmed - 2011 Amd - 1	Methods for random sampling
(l)	IS 8156 : 1994 (Second Revision) Reaffirmed - 2009	Fasteners, for consumer goods synthetic hook and loop tape - Specification
(m)	IS 14181 : Part 1 : 2002 (First Revision) Reaffirmed - 2013 Amd - 2	Synthetic (Plastic) Slide fasteners - Special Purpose - Part 1 : Specification, Selection and Ordering Guideline of the Product
(n)	IS 14181 : Part 2 : 2002 Reaffirmed - 2013	Synthetic (Plastic) Slide fasteners - Special Purpose - Part 2 : Test and Measurement Methods
(o)	IS 14181 : Part 3 : 2002 Reaffirmed - 2013	Synthetic (Plastic) Slide fasteners - Special Purpose - Part 3 : Test Report Formats
(p)	ISS 8135 - 10 : 2004 (Revision No. 1) Reaffirmed - 2011 Amd - 1	Polypropylene Strapping, 12 mm wide
(q)	ISS 8305 - 05 : 2008 (Revision No. 2) Amd - 1	Cloth, cotton closely woven Varieties 'A', 'B' & 'C' 91 cm wide.
(r)	COA (Textile & Clothing) / Textile & Clothing - 6 / 1988 / 1 (a).	Schedule for marking and attachment of labels
(s)	IND / TC / 2123 (b)	Laminated Cloth Hessian

2.2 Copies of CQA (Textile & Clothing) schedules IND / TC / Specification are obtainable on payment from :-

The Controller,
 Controllerate of Quality Assurance (Textiles & Clothing),
 Post Box. No. 294,
 Kanpur - 208 004 (U.P.)

3. STANDARD PATTERN

3.1 The Standard Pattern of Bag, Sleeping, Mk - 4 held in the custody of The Controller, CQA (T & C), Post Box No. 294, Kanpur shall constitute the standard as regards to shade appearance, general workmanship / finish and any particulars / properties not noted / defined in this specification.

4. MATERIAL

4.1 The Bag, Sleeping, Mk - 4 shall be manufactured from the following materials :-

Sl. No.	Material	Conforming to
(a)	Cloth, cotton, closely woven 170 g, OG, WR (Variety - A)	JSS 8305 - 05: 2008 (Revision No. 2) Amd - 1
(b)	Cotton Calico khaki	IS 1544 : 1973
(c)	Flannelette	IS 174 : 1983
(d)	Cotton Newar, 25 mm, olive green	IS 1895 : 1982
(e)	Cotton Newar, 13 mm, olive green	IS 1895 : 1982
(f)	Cord, cotton, braided mm, dia, undyed Braided Cotton Cord Undyed	IS 2819 : 1983
(g)	Fastener for consumer good synthetic hook and loop tape	IS 8156 : 1994
(h)	Cotton Sewing, Thread 165 d tex x 6, olive green	IS 1720 : 1978
(i)	Indian Kapok	IS 3040 : 1980
(k)	Plastic slide fastener, closed end, heavy duty, reversible slider Olive Green Shade	IS 1418 : Part I to III : 2002

5. MANUFACTURE

The store shall be manufactured as per details given below :-

5.1 Main body

5.1.1 Fastener hook and loop tape (male) shall be stitched from inside of the main body corresponding to smaller flap of liner, as shown in the drawing.

5.1.2 Fasteners hook and loop tape (female) on outer side of the main body, shall be equidistant at four places corresponding to positions of main body flap.

5.1.3 Fastener hook and loop tape (female) of inner side of the main body shall be equidistant at four places corresponding to positions of liner.

5.1.4 Tape, newar, 13 mm, OG x 150 mm long, free ends shall be turned - in and stitched for engaging of liner on the inner periphery corresponding to the tapes in liner.

5.1.5 A plastic slide fastener, closed end, heavy duty, reversible slider of olive green shade shall be stitched as shown in the drawing.

5.1.6 Tape, newar, 25 mm olive green and 1500 mm long each on the feet ends shall be folded from middle and stitched with the main body in between the seams and the free ends, shall be turned in and stitched.

5.1.7 All stitchings shall be done with sewing, cotton, 165 d tex x 6, olive green.

5.2 Liner

5.2.1 Tape, newar, 13 mm, olive green x 150 mm long free ends shall be turned - in stitched on periphery, equally spaced for tying with corresponding tapes provided on the inside of the main body.

5.2.2 Fastener hook and loop tape (female) at 4 places shall be stitched from outer side of liner.

5.2.3 Fastener hook and loop tape (male) shall be on both sides.

5.2.4 The quilting shall be done with lock stitches regulated at 16 ± 2 stitches per dm by machine in square / cross stitch.

6. DIMENSIONS AND TOLERANCES

6.1 The store shall conform to the dimensions as given in the Appendix 'A'.

MARKING

7.1 Each bag and its liner shall be attached with size label made of cloth taffeta synthetic white of size 50 x 70 mm and legibly and indelibly marked with manufacturer's name initial or recognized trade mark, nomenclature, DS Cat No & year of manufacture of store. The label shall be securely stitched with side seam of bag liner at the bottom portion.

8. QUALITY ASSURANCE

8.1 On examination, the samples taken from any portion of the consignment as per sampling plan shall show that the store fully conforms to the requirements laid down in this specification.

9. PRE - INSPECTION OF STORES / CONSIGNMENT

9.1 The basic fabric for manufacture of made - up store will be obtained from the approved sources. Firms who have supplied basic fabric in the past stand approved. The Contractor may however, obtain the basic fabric from any other source. The lead time required in such case for approval of basic fabric in 30 days from the date of receipt of the sample at CQA (T & C), Kanpur. The lead time for testing of the basic fabric the approval sources is likely to be 15 days in regional labs of Quality Assurance Establishment.

9.2 The basic fabric will be pre - inspected at the premises of the manufacturing firms by the SQAE (GS) of the area concerned where every meter of the fabric will be stamped with the Quality Assurance Officer's Acceptance Marks. No other fabric will be permitted for the fabrication of the subject item.

9.3 The garniture and other items required for fabrication of the subject store will be acceptable Quality as laid down in the governing specification. Testing of garniture items will be carried out by the Quality Assurance Officer from the made up store or from the production line. Pre - inspection of garniture and other items will not be insisted upon.

9.4 Stage inspection shall be the responsibility of the contractor. However, the inspecting officer or his authorized representative shall be afforded access to any part of the factory premises to satisfy himself without being in any way responsible therefore that the required standard are maintained in all stages and during all process of production.

9.5 Manufacturers / contractors must satisfy themselves that the stores are in accordance with the terms of the contract and fully conform to the required specification by carrying out a thorough pre - inspection of each lot before actually tendering the same for inspection to the Quality Assurance Officer nominated under the terms of the contract. A declaration by the contractor that necessary pre - inspection has been carried out on the stores tendered, will be submitted alongwith the challan. The declaration will also indicate the method followed in carrying out pre - inspection showing the features checked / tested and will have the test certificate attached to the challan / declaration.

If the Quality Assurance Officer finds that pre - inspection of the consignment as required above has not been carried out, the consignment is liable for rejection.

संयुक्त निदेशक (सामान्य)
Joint Director (J.G.)
आवक्योपकरण विभाग
Directorate of Standardisation
पराश्रम विभाग, नई दिल्ली
Min. of Defence, New Delhi

10. SAMPLING

10.1 The lot size is restricted to 3200 Nos.

10.2 The supplier shall offer the stores serially numbered and arranged in such a manner that the entire lot is easily accessible to the sampling officer.

10.3 Based on the lot size offered for quality assurance, sample units for visual examination and dimensional check at the time of sampling be drawn as per column - 2 and for bulk inspection as per column - 4 of the table using technique of random sampling as per IS 4905 : 1968.

10.4 On having satisfied with the preliminary examination, samples if required for laboratory test / examination shall be drawn as per column 5 of the table from the samples drawn and mentioned in column (2) only.

**TABLE FOR SCALE OF SAMPLING AND PERMISSIBLE NUMBER
BASED ON 4% AQL ISO: 2859-1 : 1999 & IS 2500 : Part 1 : 2000**

Lot Size in Numbers	Sampling Plan for						
	Visual Examination/ Dimensional check at the time of sampling (L - I)		Sample size for detail check At bulk QA stage (L - II)	Physical Parameters (for laboratory tests) (S - 3)		Chemical Parameters (for laboratory tests) (S - 2)	
	Sample Size	Acceptance No.		Sample Size	Acceptance No.	Sample Size	Acceptance No.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
0 - 50	5	0	8	5	0	3	0
51 - 90	5	0	13	5	0	3	0
91 - 150	8	1	20	5	0	3	0
151 - 280	13	1	32	8	1	5	0
281 - 500	20	2	50	8	1	5	0
501 - 1200	32	3	80	13	1	5	0
1201 - 3200	50	5	125	13	1	8	1
3201 - 10000	80	7	200	32	3	8	1

NOTE :

- (1) Sampling shall be done randomly as per IS 4905 : 1968.
- (2) Sampling officer will select sample units randomly and select one ultimate item from each sampling unit i.e. as per one bundle / package / bale so as to make desired sample size as given in column (2) for visual examination and QAR will be prepared by him.

11. CRITERIA FOR CONFORMITY

11.1 All the sample unit drawn shall be tested / examined to the relevant specification requirements. If all the sample units are found to conform to the requirements of this specification the supply would be considered to be in conformity otherwise not.

12. WARRANTY

12.1 Except as otherwise provided in the invitation to the tender, the contractor / seller hereby declare that the goods, stores, articles sold / supplied to the purchaser under this contract shall be of the best quality and workmanship and new in all respect and shall be strictly in accordance with the specification and particulars contained / mentioned in the contract.

12.2 The contractor / seller hereby guarantee that the said goods / stores / articles would continue to conform to the description and quality aforesaid for a period of 12 months from the date of delivery of the said goods / stores / articles to the purchaser or 15 months from the date of shipment / dispatch from the contractor's work whichever is earlier and notwithstanding the fact that the purchaser (Inspector) may have inspected and / or approved the said goods / Stores / articles, if during the aforesaid period of 12 / 15 months the said goods / stores / articles, be discovered not to be conform to the description and quality aforesaid or not giving satisfactory performance or have deteriorated and the decision of the purchaser in the behalf shall be final and binding on the contractor / seller to rectify / replace by acceptable goods / stores / articles or such portion or portions thereof as is found to be defective by the purchaser within a reasonable period not exceeding 03 months or as may be allowed by the purchaser in his discretion on the application made thereof by the contractor / seller and in such an event the above mentioned warranty period shall apply to the goods / stores / articles rectified / replaced from the date of rectification / replacement thereof, otherwise the contractor / seller shall pay to the purchaser such compensations as determined by the purchaser as may arise by reason of the break of the warranty therein contained.

13. PACKAGING

13.1 The following materials shall be used for packing of Bag Sleeping, Mk - 4 :-

Sl. No.	Material	Conforming to
(a)	Laminated Cloth Hessian	IND / TC / 2123 (b)
(b)	Country Jute Twine	IS 1912 : 1984
(c)	Polypropylene strapping 12 mm wide or Hot rolled steel strips (bailing) 13 mm wide & 0.4 mm thick or Mild steel wire 1.8 to 2.0 mm dia	ISS 8135 - 10 - 2004 (Revision No. 1) Reaffirmed - 2011 Amd - 1 IS 1029 : 1970 (Medium Grade) IS 280 : 2006
(d)	Slats of wood 70 mm wide x 10 mm thick or Bamboo strips (Preserved)	Approved by the Quality Assurance Officer.

Ministry of Defence
Directorate of Stores
New Delhi-110011
Min. of Defence, New Delhi-110011

13.2 Method

13.2.1 The stores shall be supplied in a new, clean, dry and sound condition and the accepted stores shall be packed as per details given in the succeeding clauses :-

13.2.2 Each bag, sleeping tied at three places by double 3 ply jute twine shall form a bundle.

13.2.3 Required number of above bundles as shown in the Table below shall be packed to form a bale.

Sl. No.	DS Cat No.	Size	No of Bags per bundles	No of Bundles per bale
(a)	8465 - 000 106	Extra large	1	3
(b)	000 107	Large	1	4
(c)	000 108	Medium	1	5
(d)	000 109	Small	1	5

13.2.4 Each liner shall be suitably folded and packed in bundles / bales as per details given below :-

Sl. No.	DS Cat No.	Size	No of liner per bundles	No of Bundles per bale
(a)	8465 - 000 138	Extra large	10	5
(b)	000 139	Large	10	6
(c)	000 140	Medium	10	7
(d)	000 141	Small	10	8

13.2.4.1 Required number of liners shall be made into a unit pack (bundle) by tying them suitably with double strand 3 ply jute twine at three places. Nylon sewing thread shall be passed through the middle of the body, knotted and free ends secured by heat sealing.

13.2.5 The bundles shall then be wrapped with an inner layer of polythene film of 0.04 mm thickness and an outer layer of cloth, cee, heavy or double layer of cloth, hessian, medium to form a compact bale of rectangular shape. The bale shall not be pressed.

13.2.6 The overlapping of inner / outer wrapping shall be 10 ± 1 cm so as to ensure full protection to the contents of the bale.

13.2.7 The bale shall be stitched with double 3 ply jute twine with 6 ± 1 stitches per decimeter taking care not to pierce the contents of the bale during stitching.

13.2.8 The polythene face of the laminated hessian cloth shall be kept not or other sufficient cloth shall be pulled out at each corner to form ears about 15 cm in length to facilitate easily handling of bale during transit.

13.2.9 Slats of wood approximately 7 cm wide x 1 cm thick from not or other harmful fungal or insect attack or alternative bamboo strips duly preserved shall be placed lengthwise along with edge of the bale finally bounded with at least two band polypropylene strapping. Each strapping shall be one complete piece and the end shall be sealed with machine using steel leafs of suitable size.

13.2.10 In order to ensure safety and prevent pilferage of contents of the bale during transit / storage, the following precautions shall be taken at the time of packaging and baling.

13.2.10.1 Each band of metal hoops or alternatively polypropylene strapping shall be one complete piece and the ends shall be sealed with machine or alternatively securely riveted and the joints so formed shall be covered with pieces of hessian.

13.2.10.2 The bale shall be bound with additional bands of metal hoops / polypropylene strapping, where the dimensions of the bale exceed 60 cm in any direction, so that no two bands are more than 25 cm apart.

13.2.11 The seams of the bale shall be covered with indelible ink / paint.

13.3 Marking

13.3.1 Before despatch, each bale shall be legibly and indelibly marked with ink / paint as per the following details :

- (a) DS Car number and nomenclature of the store.
- (b) Quantity packed in the bale.
- (c) Lot and Serial number of the bale.
- (d) Month and year of packaging.
- (e) Gross mass of the bale in kg.
- (f) Name and address of the consignee.
- (g) Contract number and date.
- (h) Name / recognised trade mark of the manufacture.
- (i) Inspection Note number and date.

14. DEFENCE STORES CATALOGUE NUMBERS

14.1 The stores covered by this specification shall bear the following DS Cat numbers :-

DS Cat Number	Nomenclature
	<u>Bag Sleeping, Mk - 4 Main body</u>
8465 - 000 106	Extra large
000 107	Large
000 108	Medium
000 109	Small
	<u>Liner</u>
8465 - 000 138	Extra large
000 139	Large
000 140	Medium
000 141	Small

15. SUGGESTIONS FOR IMPROVEMENT

15.1 Any suggestion for improvement in this document may be forwarded to :-

The Director,
 Directorate of Standardisation,
 Ministry of Defence,
 'H' Block, Nirman Bhawan PO,
 New Delhi - 110 011.

APPENDIX 'A'

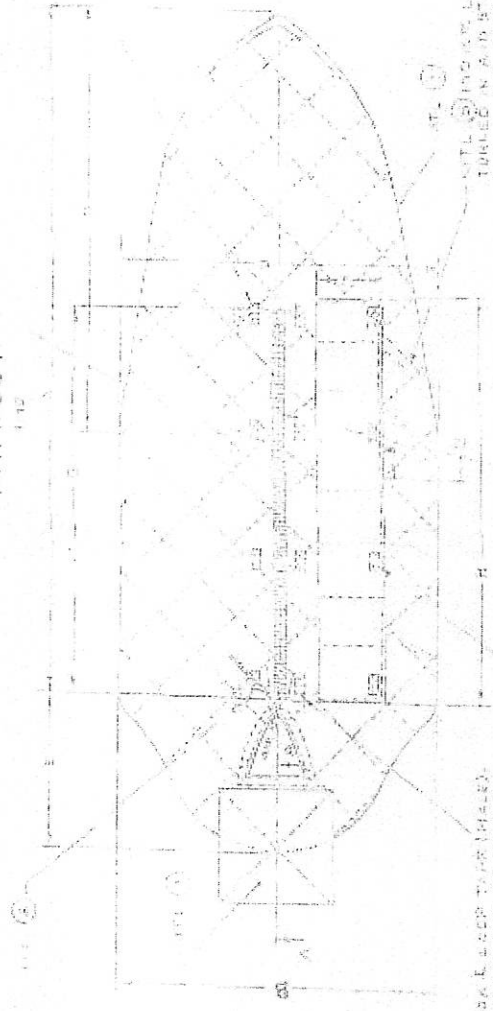
Size	A	B	C	D	E	F	G			H	J	
(Main Body / Liner)	Length	Width at the shoulder	Width at the chest	Length of taper from foot	Length of hood	Length of foot portion	Length of opening	Length of Cord for neck	Mass of kapok filling	Total Mass	Length of Nap	Width of Nap
	mm	mm	mm	mm	mm	mm	mm	mm	g	g	mm	mm
Extra Large	1980	990	990	1270	430	460	1140	1220	2930	5750	1160	130
Large	1850	840	840	1170	410	460	1070	1220	2530	4960	1090	130
Medium	1730	790	790	1070	380	410	990	1170	2040	4200	1010	180
Small	1600	740	740	970	360	410	910	1170	1700	3630	930	180
Tolerances ±												
	±40	±20	±20	±20	±20	±10	±10	±20	Min	±1%	±10	±5

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BAGS, SLEEPING MK-4

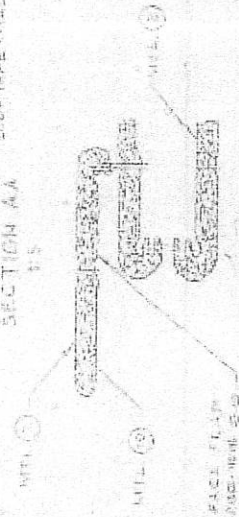
FASTENED FROM A LOOP TAPE (L-20-10) ON INSIDE SIDE
 OF THE MAIN BODY, LOCATED AT FOUR EQUAL DISTANCES
 TO POSITIONS OF LINES

MAIN BODY
 1-10



FASTENED FROM A LOOP TAPE (L-20-10) ON INSIDE SIDE OF THE MAIN BODY, LOCATED AT FOUR EQUAL DISTANCES TO POSITIONS OF LINES

SECTION AA



FASTENED FROM A LOOP TAPE (L-20-10) ON INSIDE SIDE OF THE MAIN BODY, LOCATED AT FOUR EQUAL DISTANCES TO POSITIONS OF LINES

SECTION BB



SECTION CC



Dr A P Srivastava
 PSC
 Ministry of Defence
 COA (C) P-1000

FASTENED FROM A LOOP TAPE (L-20-10) ON INSIDE SIDE OF THE MAIN BODY, LOCATED AT FOUR EQUAL DISTANCES TO POSITIONS OF LINES

FASTENED FROM A LOOP TAPE (L-20-10) ON INSIDE SIDE OF THE MAIN BODY, LOCATED AT FOUR EQUAL DISTANCES TO POSITIONS OF LINES

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FASTENED FROM A LOOP TAPE (L-20-10) ON INSIDE SIDE OF THE MAIN BODY, LOCATED AT FOUR EQUAL DISTANCES TO POSITIONS OF LINES

BAGS, SLEEPING, MK-4

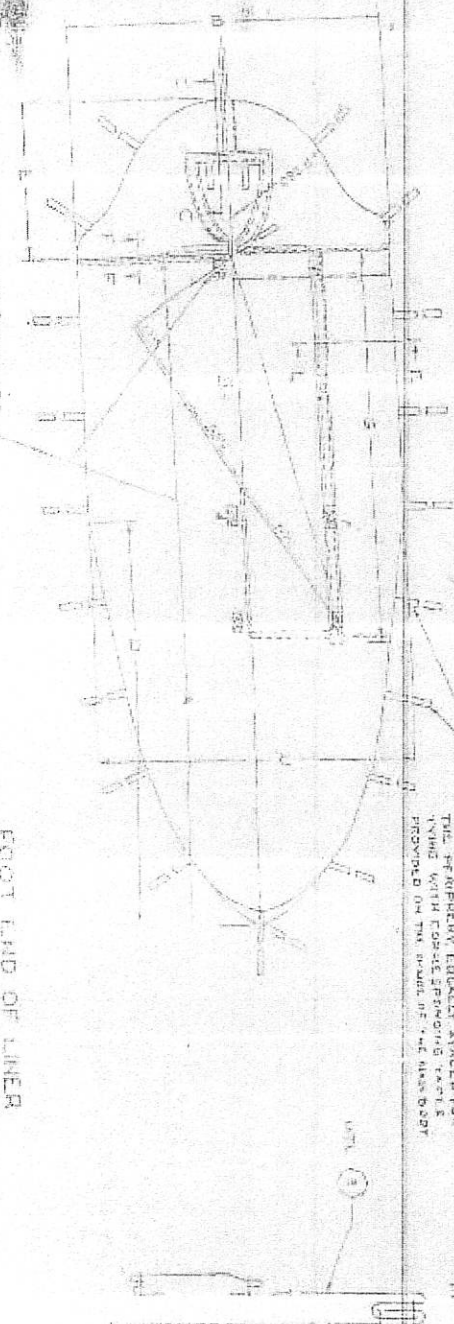
100-20465-25
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LINER

WASTEBAND WIDTH 1/2" (1/2" TAPES) ON BOTH SIDES

WASTE OF WHT. (1) 1/2" (1/2" TAPES) SEE
 THIS FOR THE TAPES TO BE STITCHED ON
 THE TAPES TO BE STITCHED ON THE TAPES
 WITH THE TAPES TO BE STITCHED ON THE TAPES
 PROVIDED ON THE TAPES TO BE STITCHED ON THE TAPES

SECTION E-E



WASTEBAND & LOG TAPES (1/2" TAPES)
 AT A PLACE STITCHED
 FROM OUTER SIDE OF LINER

SECTION C-C

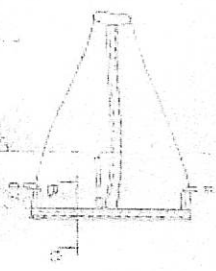


SECTION F-F



FOOT END OF LINER
 1/2"

SECTION B-B



DRAP SHIRAZI

Ministry of Defense
 Operational Department

ALL DIMENSIONS IN MILLIMETERS
 (1) 1/2" (1/2" TAPES)

100-20465-25
 100-20465-25
 100-20465-25
 100-20465-25

JSS 8465-25 : 2007

भारतीय मानक (IS 8465-25 : 2007)
 Indian Standard (I.S.)
 Bureau of Indian Standards
 11, Bafang Road, New Delhi-110 015

Sheep Bag M.K.112

APPENDIX 'A'

DIMENSIONS AND TOLERANCES

The Bag, Sleeping, MK-4 shall conform to the dimensions as shown in the table given below: -

Size	A	B	C	D	E	F	G			H	J	
(Main Body/ Liner)	Length	Width at the shoulder	Width at the chest	Length of taper from foot	Length of hood	Length of foot portion	Length of opening	Length of Cord for neck	Mass of kapok filling	Total Mass	Length of flap	Width of flap
	mm	mm	mm	mm	mm	mm	mm	mm	g	g	mm	mm
Extra Large	1980	990	990	1270	430	460	1140	1220	2950	5750	1160	180
Large	1850	840	840	1170	410	466	1070	1220	2550	4960	1090	160
Medium	1730	790	796	1070	380	410	990	1170	2040	4200	1010	180
Small	1600	740	740	970	360	410	910	1170	1700	3630	930	180
Tolerances ±												
	±40	±20	±20	±20	±10	±10	±10	±20	-	±1%	±10	±5