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DC No. 884-TC
(Section A-4)
Dt. 19.01.2021

GOVERNMENT OF INDIA
(MINISTRY OF DEFENCE)

Specification No. IND/TC/ 2548 (a) (b)
Drawing Plate Attached - One Sheet
Supersedes prov. Dtg. No. CIT&C/TC-8/
72 (b).

SPECIFICATION
FOR

EQUIPMENT CARGO AERIAL DELIVERY PARACHUTE
SUPPLY DROPPING 3.5 m COTTON LINE STATIC
6.1 m TYPE SDM/SDL

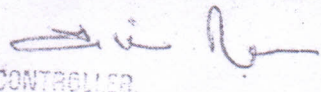
(Cat No. 1670-000108)

1. THIS SPECIFICATION IS INTENDED TO GUIDE PURCHASE, INSPECTION AND MANUFACTURE OF LINE STATIC 6.1 m TYPE SDM/SDL AGAINST DEFENCE REQUIREMENT.
2. IN CASE OF DISCREPANCY BETWEEN THIS SPECIFICATION AND ANY SAMPLE OR PATTERN, THIS SPECIFICATION TOGETHER WITH DRAWING SHALL BE TAKEN AS CORRECT.
3. WHENEVER A REFERENCE TO ANY OTHER SPECIFICATION/DRAWING OCCURS IN THIS SPECIFICATION, IT SHALL BE TAKEN AS REFERENCE TO THE LATEST VERSION OF THAT SPECIFICATION/DRAWING EXISTING AT THE TIME OF FINALISATION OF CONTRACT.

ISSUED BY

THE CONTROLLER

CONTROLLERATE OF QUALITY ASSURANCE
TEXTILES AND CLOTHING, POST BOX No. 294,
KANPUR - 208004


for CONTROLLER,
CONTROLLERATE OF QUALITY ASSURANCE
TEXTILES & CLOTHING, P.B. No. 294
KANPUR-208 001.

Rs. 22/-

... 1987.

CONTROLLER
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TEXTILES & CLOTHING, P.B. No. 294
KANPUR-208 001.

1. SCOPE

- 1.1 This specification covers the requirements of Equipment Cargo Aerial Delivery Parachute Supply Dropping 8.5 m. cotton, Line Static 6.10mm Type SDM/SDL. (Cat No. 1670-000108).
- 1.2 It is used in conjunction with Parachute Supply Dropping 8.5 m and Parachute Cargo 18.5 m. The Static Line works as a deployment medium for supply dropping and cargo parachute from a cargo Air Craft.

2. RELATED SPECIFICATIONS

- 2.1 Reference is made in this specification to:-
- i) IS: 4727 Nylon Webbing For Aeronautical Purposes
 - ii) IS: 4229 Nylon Sewing Threads for Aerospace Purposes
 - iii) IS: 4905 Methods for Random Sampling
 - iv) CIT&C/TC-8/ Schedule of Packaging PMS/1
- 2.2 Indian Standard Specifications are obtainable on payment from the sales section, Bureau of Indian Standards, Manak Bhawan, 9 Bahadur Shah Zafar Marg, New Delhi or their regional Offices.
- 2.3 CIT&C/TC series of specifications are obtainable on payment from the Controller, Controllorate of Quality Assurance, Textiles and Clothing, Post Box No. 294, Kanpur-208004.
- 2.4 All specifications/Drawings referred to in this specification for any tender or contract shall mean the edition current on the date of such tender or contract.

1 of

3. STANDARD PATTERN

- 3.1 The standard pattern held by The Controller, Controllorate of Quality Assurance, Textiles and Clothing, Post Box No. 294, Kanpur -4 shall constitute the standard as regards any particulars or properties not noted or defined in this specification.

4. MATERIAL

- 4.1 The Line Static shall be made from the following materials:-

<u>Components</u>	<u>Materials</u>	<u>Particulars</u>
i) Body	Webbing Nylon 44 mm Undyed (17800 N BL)	IS: 4727 (Type-2)
ii) Stitching Threads	Nylon Sewing Thread Heavy White (BL 100 N)	IS: 4229 (Variety No. HB)

[Signature]
for CONTROLLER,
CONTROLLORATE OF QUALITY ASSURANCE
TEXTILES & CLOTHING, P.B. No. 294

contd..3.

5. MANUFACTURE

- 5.1 The Line Static shall be manufactured from single length and uniform width nylon webbing 44 mm undyed (17800 N BL) and shall be free from all weaving flaws.
- 5.2 A single layer of webbing nylon measuring 6275 mm shall be taken. One end of the webbing shall be heat sealed to avoid fraying. The other end shall be folded for a length of 175mm to make a loop of 65 mm length and the remaining length of 110 mm shall be stitched over the webbing with 3 rows of stitching and box stitching at folded end at two places. The made up length of the Line Static shall be 6100 mm. All construction and stitching shall be done as shown in drawing plate attached.
- 5.3 All stitching shall be done with threads sewing nylon white (100 N BL) with 3 to 4 stitches per cm.
- 5.4 All free ends of the webbing shall be heat sealed and that of sewing nylon; heat sealed and knotted properly.

6. DIMENSION

- 6.1 The dimension, design and shape of the finished Line Static shall conform to the particulars given in the drg. plate attached to this specification.

7. WORKMANSHIP & FINISH

- 7.1 In appearance, general workmanship, finish and in all other respects, not noted/defined in this specification, the Line Static shall conform to the Standard Pattern held in the custody of the Controller, Directorate of Quality Assurance, Textiles and Clothing, Post Box No. 29, Panpur.

8. REQUIREMENT AND TESTS

- 8.1 The materials used in the manufacture of Line Static shall be tested to the relevant particulars as mentioned in clause 4.

9. MARKING

- 9.1 Prior to being offered for Inspection by the supplier, each Line Static shall be legibly and indelibly marked/stamped with the following details:-
- Name/Initials or recognised trade mark of supplier.
 - Brief nomenclature of the store.
 - Cat/Part No. of the store.
 - Month and year of manufacture.

⑤ Lot Number (b)

Contd...4.

10. PRE-INSPECTION

- 10.1 Manufacture/supplier must satisfy them-selves that the stores are in accordance with the terms of the contract and conform to the required specification by carrying out thorough pre-inspection of each lot before actually tendering the same, for inspection to the Inspecting Officer, nominated under the terms of 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/data attached to the challan/declaration.
- 10.2 If the Inspecting Officer finds that pre-inspection of the consignment as required above has not been carried out, the consignment is liable for rejection.

11. SAMPLING

- 11.1 The supplier shall ensure that the pre-inspected stores offered for the inspection, are serially marked and arranged in such a way that the sample units are easily accessible to the Inspector to enable him to draw samples from any portion of the consignment.
- 11.2 The sample shall be drawn using the technique of random sampling as per IS:4905. The sample units as per table given below shall be drawn for laboratory test.

<u>LOT SIZE</u>	<u>No. of sample units to be drawn</u>
up to 50	3
51 - 150	5
151 - 500	8
501 - 3200	13
3201 and above	20

12. INSPECTION

- 12.1 On 100% examination, those stores which are not found conforming to the specifications shall be rejected.

13. PACKAGING

- 13.1 As per schedule No. CIT&C/TC-8/PMS/1

PLACE : KANPUR
 DATE :

[Signature]
 CONTROLLER
 CONTROLLERATE OF QUALITY ASSURANCE
 TEXTILES AND CLOTHING,
 POST BOX No. 294, KANPUR - 208004

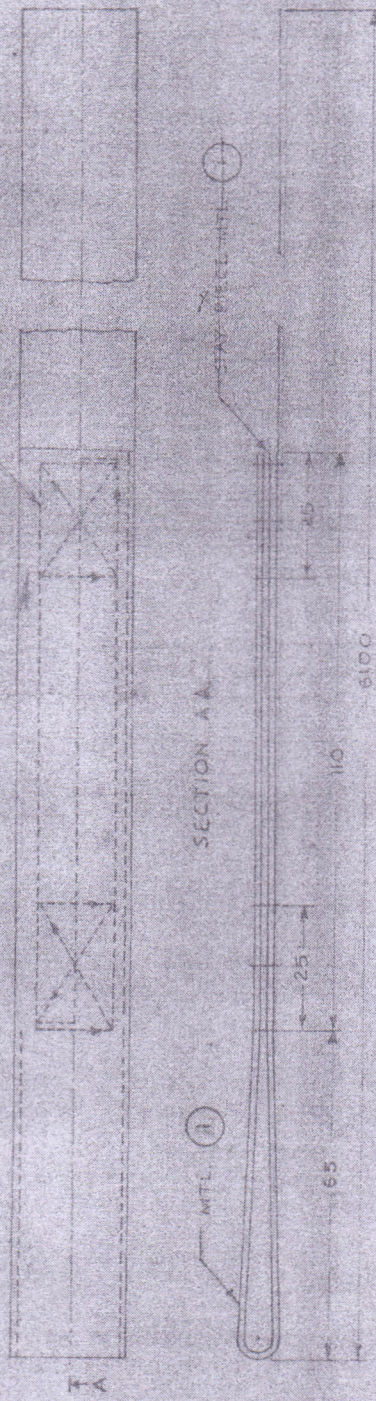
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ORG. ATTACHED TO SPECN. AC/NR/TC/2548 (X) (b)

EQUIPMENT CARGO AERIAL DELIVERY PARACHUTE SUPPLY

DROPPING 8.5 - M COTTON

LINE STATIC 6.1 M TYPE 5DM/SPLE
(CAT. No. A4/1670 000106)



for *Shiv R*
 CONTROLLER
 CONFEDERATE OF QUALITY ASSURANCE
 TEXTILES & CLOTHING, P.B. No. 294
 KANPUR-208 001.


SCALE: 1:1	DIMENSIONS IN MILLIMETRES	POP	W.D.
	TRACED FROM PROV. DRGNS.	COMP	
	CIT & TC/8/12 BY: <i>Shiv R</i>		

TC-4/25/57

25/1/57

Amendment No. 1 in specification No. IND/TC/2548 (a) for store
ECAD PSD 8.5 M Cotton Line Static 6.1 M Type SDM/SDL (Cat No.
1670-000108)

S.No	REFERENCE	FOR	READ
2	ECAD PSD 8.5 M Cotton Line Static 6.1 M Type SDM/SDL (Cat No. 1670- 000108) IND/TC/2548(a)	As per para 9.0 of Specn: (a) Name/ initials or recognized trade mark of supplier (b) Brief nomenclature of the store (c) Cat/Part No. of the store (d) Month and year of manufacture	As per para 9.0 of Specn: (a) Name/ initials or recognized trade mark of supplier (b) Brief nomenclature of the store (c) Cat/Part No. of the store (d) Month and year of manufacture (e) Lot Number


Controller
CQA (T&C), Kanpur