

13-19
SEALED COPY

SPECIFICATION NO. IND/TC/4279

RESTRICTED

Supersedes Prov Specn No. DMSRDE/T&GS/2001/452
Drawing Plate Attached: 04 Plates

*Sealed Vial
SC No - 8440-TC
dated 30-1-09*

GOVERNMENT OF INDIA
MINISTRY OF DEFENCE
DGQA ORGANISATION

SPECIFICATION
FOR

GAITERS GLACIER

(CAT No. - 8440-000518)

ISSUED BY

CONTROLLER
CONTROLLERATE OF QUALITY ASSURANCE
TEXTILES AND CLOTHING
POST BOX NO. 294
KANPUR 208 004

PRICE : Rs. 245

YEAR : 2009

RESTRICTED

गुप्त प्रति
SEALED COPY

SPECIFICATION NO. IND/FC/4279

RESTRICTED

CONTENTS LIST

<u>Sl. No.</u>	<u>CONTENTS</u>	<u>PAGE No.</u>
0.	FOREWORD	4
1.	SCOPE	5
2.	RELATED SPECIFICATIONS/REFERENCES	5-6
3.	STANDARD PATTERN	6
4.	MATERIALS	6
5.	MANUFACTURE/PROCESSING	6-7
6.	DIMENSIONS & TOLERANCES	7
7.	WORKMANSHIP AND FINISH	7
8.	MARKING	8
9.	PRE-INSPECTION OF SUPPLIES BY PRODUCER	8
10.	QUALITY ASSURANCE	8
11.	SAMPLING	8-9
12.	CRITERIA FOR CONFORMITY	9
13.	TEST METHOD	10
14.	PACKAGING	10-11
15.	TECHNICAL LITERATURE/DOCUMENT	11
16.	ADVANCE SAMPLE	11
17.	WARRANTY	11-12
18.	DEFENCE STORES CATALOGUE NUMBER	12
19.	DRAWING/SKETCHES	12
20.	SUGGESTION FOR IMPROVEMENT	12-13

RESTRICTED

1.0 SCOPE

1.1 This specification covers the requirements of Gaiters Glacier against defence requirements and provides guidance to contractors/suppliers, manufacturers, QA agencies and indenters etc. The Gaiters Glacier is intended to be used by army personnel as a cover between trousers bottom and shoes mouth to provide complete protection against ingress of ice & water in glacier region.

2.0 RELATED SPECIFICATIONS/REFERENCES

2.1 Reference is made in this Specification to:-

S.NO.	SPECIFICATION NO.	PARTICULARS
1.	Provisional specification No.DMSRDE/T&GS/89/377(d)	Fabric Nylon. Polyurethane Coated, 250 GSM White
2.	IS: 9686-1980(reaffirmed 2002, Amdt-1)	Tape Elastic White
3.	IS: 14181-2002(Pt-1) (First revision, Amdt 2, 2008)	Plastic Slide Fasteners
4.	IS: 4229-1992 (Reaffirmed 2003, Amdt1)	Nylon Sewing Thread for Aerospace Purposes
5.	IS: 1912-84 (2 nd rev, Amdt-1, Reaffirmed 2001)	Jute Twine 3 Ply
6.	IS: 12734-2002	Textile Polypropylene Twine
7.	CQA(GS)/US/460	Boxes fibre board rigid corrugated
8.	CQA(GS)/US/434(a)	Polythene Bag
9.	JSS: 8046-6 & SS No. CIGS/SS/126(a)	Tape Adhesive Brown 50 mm
10.	JSS: 8135-10-2004	Polypropylene Strapping

2.2 Copies of IS specifications can be obtained on payment from Bureau of Indian Standards, 9 Bahadur Shah Jafar Marg, New Delhi or their regional offices.

2.3 Copies of CQA (GS) and CQA (T&C) specifications i.e. IND/GS & IND/TC series can be obtained on payment from Controllerate of Quality Assurance (GS), Post Box No.127 and Controllerate of Quality Assurance (T&C), Post Box No. 294 Kanpur respectively.

2.4 Copies of DMSRDE Specifications may be obtained from The Director, DMSRDE, G.T.Road, Kanpur on payment.

RESTRICTED
SEAL TO COPY

SPECIFICATION NO. IND/TC/4279

RESTRICTED

5.2 Polyurethane coated surface of the fabric shall be kept inward. The fabric shall be cut in two pieces of rectangular tapering shape. These two rectangular pieces of the fabric shall be joined together longitudinally by two rows of machine stitching, as shown in the drawing plate attached.

5.3 Tape elastic white 50 mm wide shall be joined at the top end of Gaiter initially by single row of machine stitching and then another row of stitching in turned body after stretching the tape elastic up to the width of Nylon fabric so that puckering is formed at the joints of tape elastic and Nylon fabric as shown in the plate attached.

5.4 Tape elastic white 15 mm wide shall be stitched in the middle portion of Gaiter at the height of 20 cm from bottom end by single row machine stitching to form puckering as shown in the plate attached.

5.5 Tape elastic white 25 mm wide shall be stitched at the bottom end of Gaiter by three rows machine stitching equispaced within the width of the tape to form puckering as shown in the plate attached.

5.6 Plastic slide fastener open end medium special duty flat autolock white 45 cm shall be stitched at both the ends of Gaiters longitudinally by two rows of machine stitching keeping retainer of zip towards bottom as shown in the plate attached.

5.7 Metallic fitting (Buckle, hook, strip and wire etc.) and leather strip shall be fitted at the bottom end of the Gaiters at appropriate places i.e. reverse in left and right leg as shown in the plate attached.

6.0 DIMENSIONS & TOLERANCES

6.1 The Gaiters Glacier shall conform to the dimensions as given in the dimension chart, drawing plate attached & Appendix 'A' to this specification.

7.0 WORKMANSHIP AND FINISH

7.1 In appearance, shade, general workmanship & finish and in all other respects not noted / defined in this specification, the Gaiters Glacier shall conform to the sealed pattern held in the custody of Controller CQA (T&C) Kanpur.

8.0 MARKING

RESTRICTED

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

11.3 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) & Bulk Inspection as per column (4) of the table given below using technique of random sampling as per IS: 4905.

11.4 On having been satisfied with the preliminary examination, samples if required for laboratory test /examination shall be drawn as per column (5) & (7) of the table given below:

**TABLE FOR SCALE OF SAMPLING AND PERMISSIBLE NUMBER
BASED ON 4% AQL ISO: 2859-1989**

Lots Size in Nos./ pairs	Sampling Plan for						
	Visual Examination/ dimensional check at the time of sampling		Sample Size for Details Check at Bulk QA stage	Physical Parameters (For laboratory tests)		Chemical Parameters (For laboratory tests)	
	Sample Size	Accept ance No.		Sample Size	Accept ance No.	Sample Size	Accept ance No.
1	2	3	4	5	6	7	8
Upto 280	13	1	32	13	1	3	0
281-500	20	2	50	13	1	5	0
501-1200	32	3	80	20	2	5	0
1201-3200	50	5	125	20	2	13	1
3201-10000	80	7	200	32	3	13	1

- Note:-** i) Sampling shall be done randomly as per IS: 4905.
ii) Sample for lab testing will be drawn from the samples drawn and mentioned in column (2) only

12.0 CRITERIA FOR CONFORMITY

12.1 All the sample units drawn shall be tested/examined to the specification requirements. If all the sample units are found to conform to the requirements of this specification the lot shall be considered to be in conformity to the specification.

गुप्त
SEAL'D COPY

SPECIFICATION NO. IND/TC/4279

RESTRICTED

14.3 MARKING OF PACKAGE

14.3.1 Before dispatch, each Box/package shall be legibly marked by stencil showing the following details:-

- i) Nomenclature and cat part No. of stores.
- ii) Quantity packed in the package.
- iii) Month and year of packing.
- iv) Name or trade mark of manufacturer.
- v) Gross Mass of package in kg.
- vi) Serial No. of package.
- vii) Inspection Note No. and date.
- viii) AT / S.O. No. and date.
- ix) Name and address of the consignee.

15.0 TECHNICAL LITERATURE AND DOCUMENTS

15.1 Refer clause 2 of this Specification

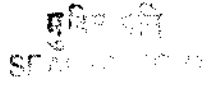
16.0 ADVANCE SAMPLES

16.1 Manufacturers who have not supplied this store during the last three years have to submit advance samples manufactured from specified materials for inspection, testing, and trial/clearance by AHSP prior to commencement of bulk production. Number of samples required for material, dimensional check and test/proof shall be one or as laid down in the contract.

17.0 WARRANTY

17.1 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 respects and shall be strictly in accordance with the specifications and particulars contained/mentioned in the contract.

RESTRICTED



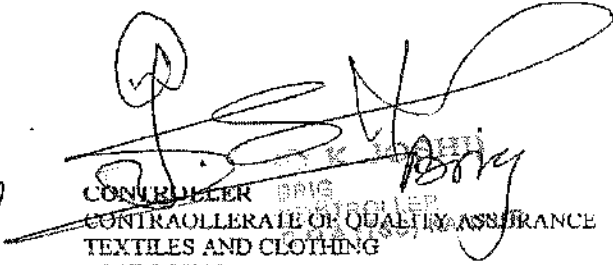
SPECIFICATION NO. IND/IC/4279

RESTRICTED

20.2 **Communication:** Communication regarding any suggestions for improvement of the said documents may be made to:

CONTROLLER
CONTRAOILLERATE OF QUALITY ASSURANCE
TEXTILES AND CLOTHING
POST BOX No. 294
KANPUR 208 001
Tel. 0512-2324529
Fax 0512-2324529
e-mail- cqato@dataone.in

DATE: *30 Jan 2007*


CONTROLLER
CONTRAOILLERATE OF QUALITY ASSURANCE
TEXTILES AND CLOTHING
POST BOX No. 294,
KANPUR 208 001

SPECIFICATION NO. INDVTC/4279

RESTRICTED

GAITERS GLACIER

Size- Universal

Dimensions & tolerances

(all dimension are in cm)

Overall length (open)	Width at top (open)	Width at centre (open)	Width at bottom (open)	Length from centre to bottom	Length of steel wire rope	Overall length of Strap	Width at top (closed)	Width at Centre (closed)	Width at bottom (closed)
43.0	25.0	30.0	35.0	20.0	16.0	12.0	12.5	15.0	17.5
Tolerances ± 0.5	± 0.5	± 0.5	± 0.5	± 0.5	± 0.5	± 0.5	± 0.5	± 0.5	± 0.5

7.05 NH
SEALED COPY

RESTRICTED

500 50
SEALED COPY

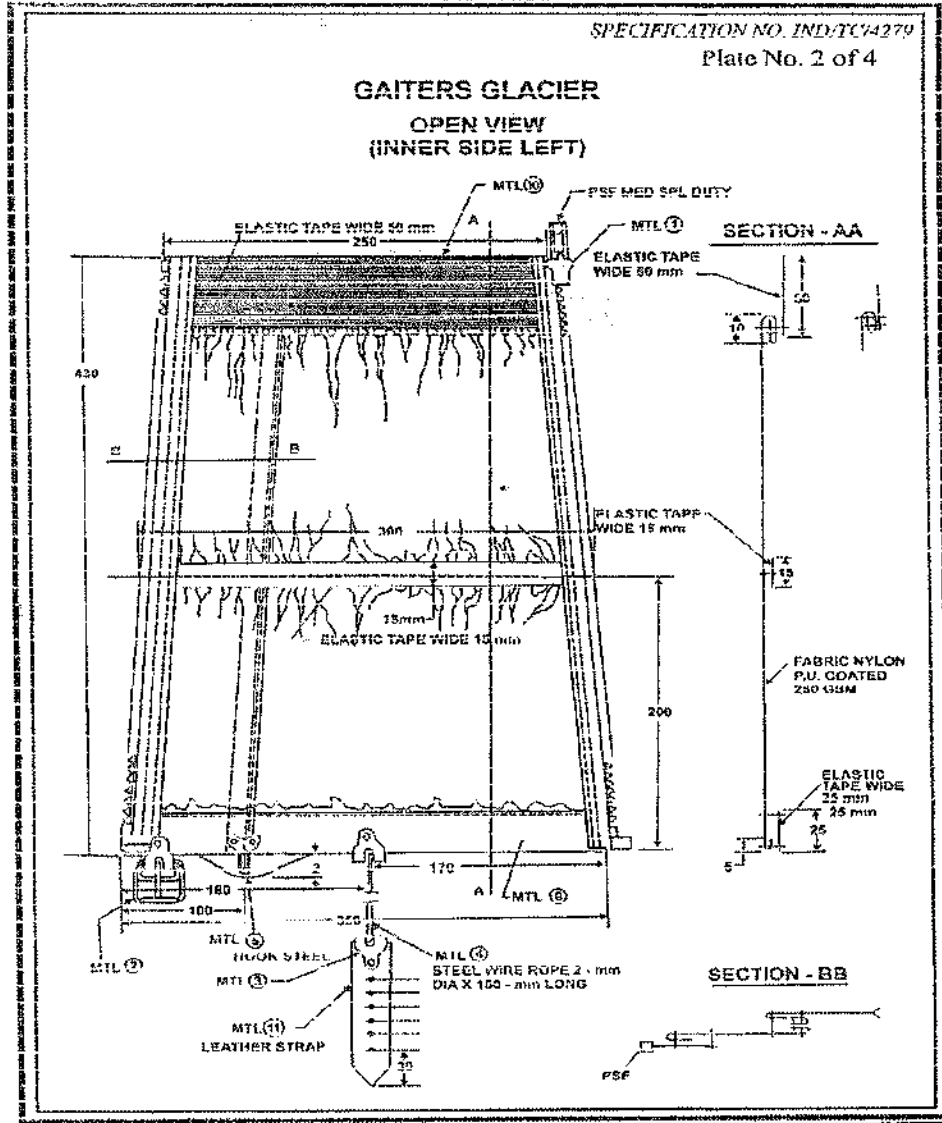
SPECIFICATION NO. IND/TC/4279

RESTRICTED

SPECIFICATION NO. IND/TC/4279

Plate No. 2 of 4

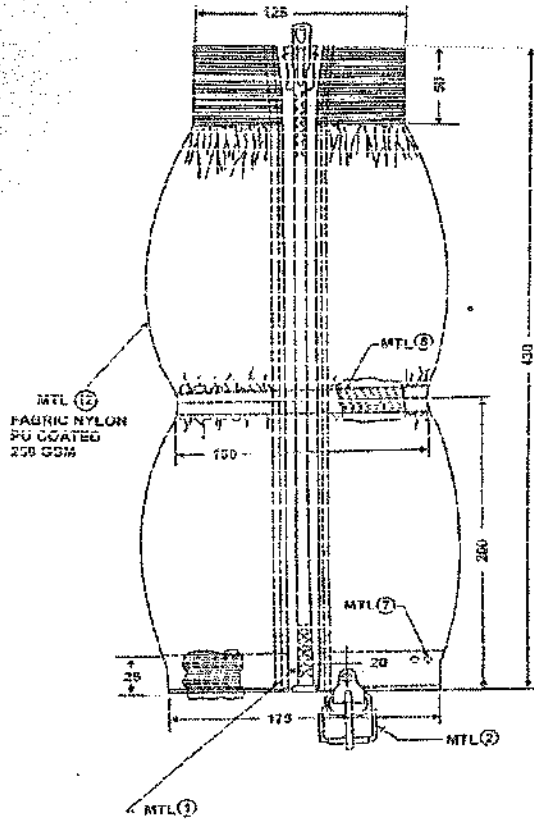
GAITERS GLACIER
OPEN VIEW
(INNER SIDE LEFT)



RESTRICTED

GAITERS GLACIER

CLOSED VIEW



DETAIL OF TYING STRIP

