

Through E-Mail

Directorate General, C.R.P.F.

Block No.1,CGO Complex , Lodhi Road, New Delhi –110 003

(Ministry of Home Affairs)

(Tele /Fax No. 011-24360155)

No. U.II.98/2026-2027-(Towel BIS)-Prov-14

Dated, the 17th May'2026

To

The Director General,
AR, BSF, CISF, ITBP, NSG, SSB and BPR&D.

Subject: QRs/Specifications of "Towel Terry (Hand Towel) as per IS 7056:2024" for CAPF.

In terms of MHA Order No. IV-11012/02/2009-Fin-I/Prov-I17 dated 02/01/2018, QRs/Specifications of **Towel Terry (Hand Towel) as per IS 7056:2024** for CAPF has been approved by DG, CRPF (Nodal Force)

2. Henceforth, all the CAPFs may procure the above item required by them, strictly as per the laid down QRs/Specification. The specific parameters selected by all CAPFs Sub-Group from the multiple option is given in BIS QRs/Specifications, enclosed along with one page note of "**Towel Terry (Hand Towel) as per IS 7056:2024**".

3. It is also added that BIS certificate may be made mandatory for firms participating in BiD. The earlier QRs/Specification of Cotton Terry Towel (Sky Blue Color)/Hand Towel, approved by MHA vide letter No. U-II-25/2011-12-Prov-(COBRA) Dated 11th February 2013 is rescinded.

Encl: QRs/Specification along with One page note.



(Shahnawaz Khan)

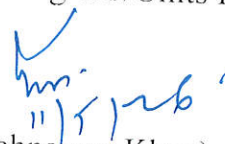
DIG(Prov) Directorate

No. U.II.98/2026-2027-(Towel BIS)-Prov-14

Dated, the 17th May'2026

Copy to the :-

- 1) **SO (IT)**, North Block for information and necessary action please on his e-mail ID soit@nic.in
- 2) The ACEO (GeM), Government of India, Ministry of Commerce and Industries, Government-E-Market Place, Jeevan Tara building, 5- Parliament street, New Delhi- 110001 with request to update the existing category as per the approved QRs/Specifications and TDs of above items on GeM Portal.
- 3) The DIG (IT), Directorate General CRPF with request to upload the approved QRs/Specifications of above items on CRPF website.
- 4) All Zones/Sectors (Including CoBRA, RAF and VS Wing/GC/Units HQr for information and necessary action please.



(Shahnawaz Khan)

DIG(Prov) Directorate

One Page Note on adoption of QRs/TDs of Towel Terry as per IS 7056:2024 Specification.

1. QRs/Specification of Towel Hand has been framed with BIS standard (IS 7056:2024) under the aegis of BIS redressing the issues raised by user departments by emphasizing, improvement in quality of Towel and same has been finalized by BIS in coordination with member of forces and representative from various industries.
2. On analysis of the above QRs/Specification some of the parameters have been given with different types of option. Hence to ensure uniformity/standardization, the following material/manufacturing process be adopted by CAPFs for procurement process of Hand Towel (Towel Terry):-

Para No.	Description	Adopted by CAPF Sub-Group
3.6	<p>Sewing Thread: If agreed to between the buyer and the seller, either one of the following 2 sewing thread may be used.</p> <p>(a) Cotton sewing thread of 60 s/6 cotton count (Ne) (9.8 tex x 6) conforming to IS 1720 shall be used; and</p> <p>(b) Polyester sewing thread of 3 ply 24 tex, Min shall be used. The count of the yarn for polyester sewing thread shall be tested as per IS 1315.</p> <p><i>(Note – In case of dyed towels the thread shall be of similar shade).</i></p>	<p>As per BIS two option has been given for sewing thread in para 3.6, the CAPF subgroup members was decided to accept option (b) of para 3.6 of BIS QRs specification IS 7056:2024 (Polyester sewing thread of 3 ply 24 tex, Min shall be used. The count of the yarn for polyester sewing thread shall be tested as per IS 1315).</p>




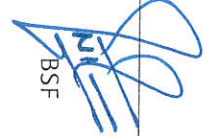





 CRPF
  CRPF
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  SSB
  CISF
  ITBP
  NSG
  Tex. Comm.

Table 1 Construction Particulars of Terry Towelling

SI No.	Variety No.	Count of Yarn, Ne			Threads per dm,			Mass, Min	Terry Ratio, Min
		Warp Ground	Pile	Weft	Min	Pile	Weft		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
(i)	1	16s/2	16 s	14 s	100	100	200	390	6 : 1
(ii)	2	20/2 s	20/2s	12 s	145	145	170	550	4.5 : 1
(iii)	Tolerance, Percent	± 5	± 5	± 5	--	--	--	--	--

4.1.1

(iv) Method of test

IS 1315

IS 1963

IS 1964

Table 4 Dimensions of Towels (Clauses 3.4 and 3.5)

SI No.	Minimum Dimensions		Maximum Heading
	Width cm	Length cm	
(1)	(2)	(3)	(4)
i)	40	60	6.5
ii)	50	100	6.5
iii)	61	122	6.5
iv)	66	112	6.5
v)	75	150	6.5
vi)	80	155	6.5

Note: 01. Table 2, Not applicable as pertains to Huck Back Towels.

02. Table 3, Applicable parameters referred under column 4 (Terry Variety 2).

03. Colour will be sky blue and the colour values will be tested as per table-2 of the existing MHA QRS.

CRPF

CRPF

CRPF

BSF

Approved/Not Approved

CSF

Approved

NSG

Tex. Comm.

(Gyanendra Pratap Singh, IPS)
Director General, CRPF

In BIS QRS specification, four option has been given for construction particulars of Terry Towelling in Table 1, the CAPF subgroup members decided to accept option (ii) (i.e. 20/2s) of BIS QRS specification IS 7056:2024.

In BIS QRS specification, six option has been given for Dimensions of Terry Towelling in Table 4, the CAPF subgroup members was decided to accept option (v) (Width 75, length 150 and Depth 6.5 cm) of BIS QRS specification IS 7056:2024.

भारतीय मानक
Indian Standard

IS 7056 : 2024

वस्त्रादि — सूती तौलियों के कपड़े और
तौलिए — विशिष्टि
(दूसरा पुनरीक्षण)

**Textiles — Cotton Towelling and
Towels — Specification**
(*Second Revision*)

ICS 59.080.30

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भारतीय मानक ब्यूरो
BUREAU OF INDIAN STANDARDS
मानक भवन, 9 बहादुर शाह ज़फर मार्ग, नई दिल्ली - 110002
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June 2024

Price Group 6

FOREWORD

This Indian Standard (Second Revision) was adopted by the Bureau of Indian Standards, after the draft finalized by the Man-made Fibres, Cotton and their Products Sectional Committee had been approved by the Textiles Division Council.

This standard was first published in the year 1973. It was first revised in the year 1989 to specify the requirements of towels in a single specification amalgamating IS 7057 : 1973 'Specification for cotton turkish towels'. This standard is being revised again to incorporate the following:

- a) Requirements of an additional variety of cotton towel of different GSM which is extensively used in Indian Railways have been incorporated;
- b) The requirements for identification of material, whiteness index and colour fastness to hypochlorite have been incorporated;
- c) The requirement of tolerance for count of yarn has been specified;
- d) Amendment has been incorporated; and
- e) References to Indian Standards have been updated.

The composition of the Committee responsible for the formulation of this standard is given in Annex C.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 2022 'Rules for rounding off numerical values (*second revision*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

Indian Standard

TEXTILES — COTTON TOWELLING AND TOWELS —
SPECIFICATION

(Second Revision)

1 SCOPE

1.1 This standard prescribes constructional and performance requirements of cotton terry (turkish) and huck-a-back towelling and towels; bleached, dyed, printed or striped.

1.2 The standard does not specify design, general appearance, feel, finish or shade, etc (see also 4.1).

2 REFERENCES

The standards listed in Annex A contain provisions which, through reference in this text, constitute provisions of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent edition of these standards.

3 REQUIREMENTS

3.1 Fabric Constructional Requirements

Terry towelling shall meet the construction particulars given in Table 1, huck-a-back fabric shall conform to the construction particulars given in Table 2. The cotton yarn used shall be evenly spun (see IS 171).

3.2 Fabric Performance Requirements

3.2.1 The fabric shall conform to the performance requirements given in Table 3.

Note — Dyed yarn used in stripes, dyed fabric or printed fabric shall conform to the colour fastness ratings given in Table 3.

3.2.2 In case of undyed or white towels, the whiteness index shall not be less than 140 when tested as per the method prescribed in Annex J of IS 17263.

3.3 Freedom from Defects

The fabric when visually examined shall be free from spinning, weaving and processing defects (see IS 14466). The bleached fabric shall have a full bleach finish and shall be free from blueing or optical whitening agents, if required by the buyer. In case of dyed fabric, the fabric shall be thoroughly

scoured prior to dyeing so that the maximum absorbency is obtained. The dyeing shall be uniform without stains, streaks, patches, etc and shall match the required shade.

3.4 Sizes

Dimensions of towels shall be as given in Table 4.

3.5 Heading

The maximum depth of plain heading at each end of the towel shall be as specified in Table 4.

3.6 Sewing Thread

If agreed to between the buyer and the seller, either one of the following 2 sewing threads may be used:

- a) Cotton sewing thread of 60 s/6 cotton count (N_c) (9.8 tex \times 6) conforming to IS 1720 shall be used; and
- b) Polyester sewing thread of 3 ply 24 tex, *Min* shall be used. The count of the yarn for polyester sewing thread shall be tested as per IS 1315.

Note — In case of dyed towels the thread shall be of similar shade.

3.7 Transverse Ends or End Hems

Each transverse end of towel shall have a 7.5 mm hem, *Min* with a full turn-in at each end.

3.8 Side Edges

The side edges shall be either selvedge which shall be firm and straight or shall have a 7.5 mm, *Min* hem with a full turn-in.

3.9 Stitching

The stitching shall be of even tension and the loose ends shall be finished securely and neatly. The number of stitches shall not be less than 4 per centimeter.

4 SEALED SAMPLE

4.1 If, in order to illustrate indeterminable characteristics such as general appearance, lustre,

feel and shade, a sample has been agreed upon and sealed, the supply shall be in conformity with the sample in such respects.

4.1.1 The custody of the sealed sample shall be a matter of prior agreement between the buyer and the seller.

Table 1 Construction Particulars of Terry Towelling

(Clause 3.1)

SI No.	Variety No.	Count of Yarn, Ne			Threads per dm, <i>Min</i>			Mass, <i>Min</i> g/m ²	Terry Ratio, <i>Min</i>
		Warp Ground	Pile	Weft	Warp Ground	Pile	Weft		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
i)	1	16 s/2	16 s	14 s	100	100	200	390	6 : 1
ii)	2	20/2 s	20/2 s	12 s	145	145	170	550	4.5 : 1
iii)	Tolerance, percent	± 5	± 5	± 5	—			—	—
iv)	Method of test	IS 1315			IS 1963			IS 1964	Annex B

Table 2 Construction Particulars of Huck-a-Back Towelling

(Clause 3.1)

SI No.		Count of Yarn, Ne (see Note)		Threads per dm <i>Min</i>		Mass, <i>Min</i> g/m ²
		Warp	Weft	Ends	Picks	
(1)		(2)	(3)	(4)	(5)	(6)
i)		14 s (42 tex)	6 s (98 tex)	360	135	290
ii)	Tolerance, percent	± 5		—		—
iii)	Method of test	IS 1315		IS 1963		IS 1964

NOTE— Two warp threads work as one in the loom.

Table 3 Performance Requirement for Fabric

(Clause 3.2.1)

SI No.	Characteristic	Requirements			Method of Test
		Terry (Variety 1)	Terry (Variety 2)	Huck-a-Back	
(1)	(2)	(3)	(4)	(5)	(6)
i)	Identification of material (see Note 1)	100 % cotton	100 % cotton	100 % cotton	IS 667
ii)	Breaking load on 5.0 cm × 20 cm strips (ravelled strip method), <i>Min</i>				IS 1969 (Part 1)
	a) Warpway	310 N (32 kgf)	345 N (35 Kgf)	590 N (60 kgf)	
	b) Weftway	340 N (35 kgf)	295 N (30 Kgf)	330 N (34 kgf)	

Table 3 (Concluded)

SI No.	Characteristics	Requirements			Method of Test
		Terry (Variety 1)	Terry (Variety 2)	Huck-a-Back	
(1)	(2)	(3)	(4)	(5)	(6)
iii)	Scouring loss, percent, <i>Max</i>	2.0	2.0	2.0	IS 1383 (Mild method)
iv)	Dimensional change, percent, <i>Max</i>	3.0	3.0	3.0	IS 2977
v)	<i>pH</i> value	6.0 to 8.5	6.0 to 8.5	6.0 to 8.5	IS 1390
vi)	Wettability, <i>Max</i>	5 s	5 s	5 s	IS 2349
vii)	Minimum colour fastness rating to:		—		
	a) Light (<i>see</i> Note 2)	5	5	5	IS/ISO 105-B02
	b) Washing: Test 4				
	Change in colour	4	4	4	IS/ISO 105-C10
	Staining of adjacent fabric	4	4	4	
	c) Hypochlorite				
	Change in colour	4	4	4	IS/ISO 105-N01

NOTES
1 Impurities of less than 0.2 percent shall be permitted.
2 In case of 'sulphur dyes', the minimum colour fastness rating to light shall be 4.

Table 4 Dimensions of Towels

(Clauses 3.4 and 3.5)

SI No.	Minimum Dimensions		Maximum Heading
	Width cm	Length cm	Depth cm
(1)	(2)	(3)	(4)
i)	40	60	6.5
ii)	50	100	6.5
iii)	61	122	6.5
iv)	66	112	6.5
v)	75	150	6.5
vi)	80	155	6.5

5 MARKING

5.1 The towelling or towels shall be marked with the following particulars:

- Length and width;
- Manufacturer's name, initials or trademark, if any;
- Month and year of manufacture; and
- Any other information as required by the buyer or the law in force.

5.1.1 BIS Certification Marking

The product(s) conforming to the requirements of this standard may be certified as per the conformity assessment schemes under the provisions of the

Bureau of Indian Standards Act, 2016 and the Rules and Regulations framed thereunder, and the product(s) may be marked with the Standard Mark.

6 PACKING

Unless otherwise agreed upon by the buyer and the seller, the towelling or towels shall be packed in bales or cases in conformity with the procedure laid down in IS 1347 or in IS 293 as required.

7 SAMPLING**7.1 Lot**

The quantity of the towels delivered to the buyer against one dispatch note shall constitute a lot.

7.2 The conformity of the lot to the various requirements specified in the standard shall be determined on the basis of tests carried out on the sample selected from the lot.

accordance with Table 5.

For selection of samples at random from the lot, procedure given in IS 4905 may be followed.

7.3 Unless otherwise agreed, the number of pieces selected at random for inspection shall be in

Table 5 Sample Size and Permissible Number of Non-Conforming Product(s)

(Clauses 7.3 and 7.4)

SI No.	Lot Size Sample	Sample Size	Permissible Number of Non-Conforming Towels	Sub-Sample Size
(1)	(2)	(3)	(4)	(5)
i)	Up to 90	5	0	3
ii)	91 to 150	8	0	3
iii)	151 to 500	13	1	5
iv)	501 to 1 200	20	1	5
v)	1 201 to 10 000	32	2	8
vi)	10 001 to 35 000	50	3	8
vii)	35 001 to 500 000	80	5	13
viii)	500 001 and above	125	7	13

7.4 Number of Samples and Criteria for Conformity

It shall be as follows:

SI No.	Characteristics	Number of Samples	Criteria for Conformity
(1)	(2)	(3)	(4)
i)	Ends, picks, dimensions of towel and freedom from defects, count	According to col (3) of <u>Table 5</u>	Number of non-conforming pieces shall not exceed the corresponding number given in col (4) of <u>Table 5</u>
ii)	Mass, Dimensional change, pH value, wettability, colour fastness, identification of material, scouring loss, breaking load, heading, sewing threads, end hems, side edges, stitching terry ratio	According to col (5) of <u>Table 5</u>	All the test pieces shall meet the requirement

ANNEX A

(Clause 2)

LIST OF REFERRED STANDARDS

<i>IS No.</i>	<i>Title</i>	<i>IS No.</i>	<i>Title</i>
IS/ISO 105-B02 : 2014	Textiles — Tests for colour fastness: Part B02 Colour fastness to artificial light: Xenon arc fading lamp test	IS 1720 : 1978	Specification for cotton sewing threads (<i>second revision</i>)
IS/ISO 105-C10 : 2006	Textiles — Tests for colour fastness: Part C10 Colour fastness to washing with soap or soap and soda	IS 1963 : 1981	Methods for determination of threads per unit length in woven fabrics (<i>second revision</i>)
IS/ISO 105-N01 : 1993	Textiles — Tests for colour fastness: Part N01 Colour fastness to bleaching: Hypochlorite	IS 1964 : 2001	Textiles — Methods for determination of mass per unit length and mass per unit area of fabrics (<i>second revision</i>)
IS 171 : 1993	Textiles — Ring spun grey cotton yarn for weaving — Specification (<i>fourth revision</i>)	IS 1969 (Part 1) : 2018/ ISO 13934-1 : 2013	Textiles — Tensile properties of fabrics: Part 1 Determination of maximum force and elongation at maximum force using the strip method (<i>fourth revision</i>)
IS 293 : 1980	Code for seaworthy packaging of cotton yarn and cloth (<i>third revision</i>)	IS 2349 : 2022	Method for determination of wettability of cotton fabrics (<i>first revision</i>)
IS 667 : 1981	Methods for identification of textile fibres (<i>first revision</i>)	IS 2977 : 1989	Fabrics (other than wool) — Method for determination of dimensional changes on soaking in water (<i>first revision</i>)
IS 1315 : 1977	Method for determination of linear density of yarns spun on cotton system (<i>first revision</i>)	IS 4905 : 2015/ ISO 24153 : 2009	Random sampling and randomization procedures (<i>first revision</i>)
IS 1347 : 1972	Specification for inland packaging of cotton cloth and yarn (<i>first revision</i>)	IS 14466 : 1997/ ISO 8498 : 1990	Fabrics — Description of defects — Vocabulary
IS 1383 : 2023	Methods for determination of scouring loss in grey and finished cotton textile materials (<i>second revision</i>)	IS 17263 : 2022	Textiles — Polyester staples fibres — Specification (<i>first revision</i>)
IS 1390 : 2022	Textiles — Determination of pH of aqueous extract (<i>third revision</i>)		

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ANNEX B

(Table 1)

DETERMINATION OF TERRY RATIO

B-1 Cut out a 10 cm × 10 cm specimen from the fabric and condition the specimen in the standard atmosphere for testing. Remove warp threads from the specimen so as to provide 10 threads each from the specimen of ground warp and of terry warp. Determine the mean straightened length of each group of 10 threads.

Express the terry ratio as the ratio of the mean straightened length of the terry warp threads to the mean straightened length of the ground warp threads.

ANNEX C

(Foreword)

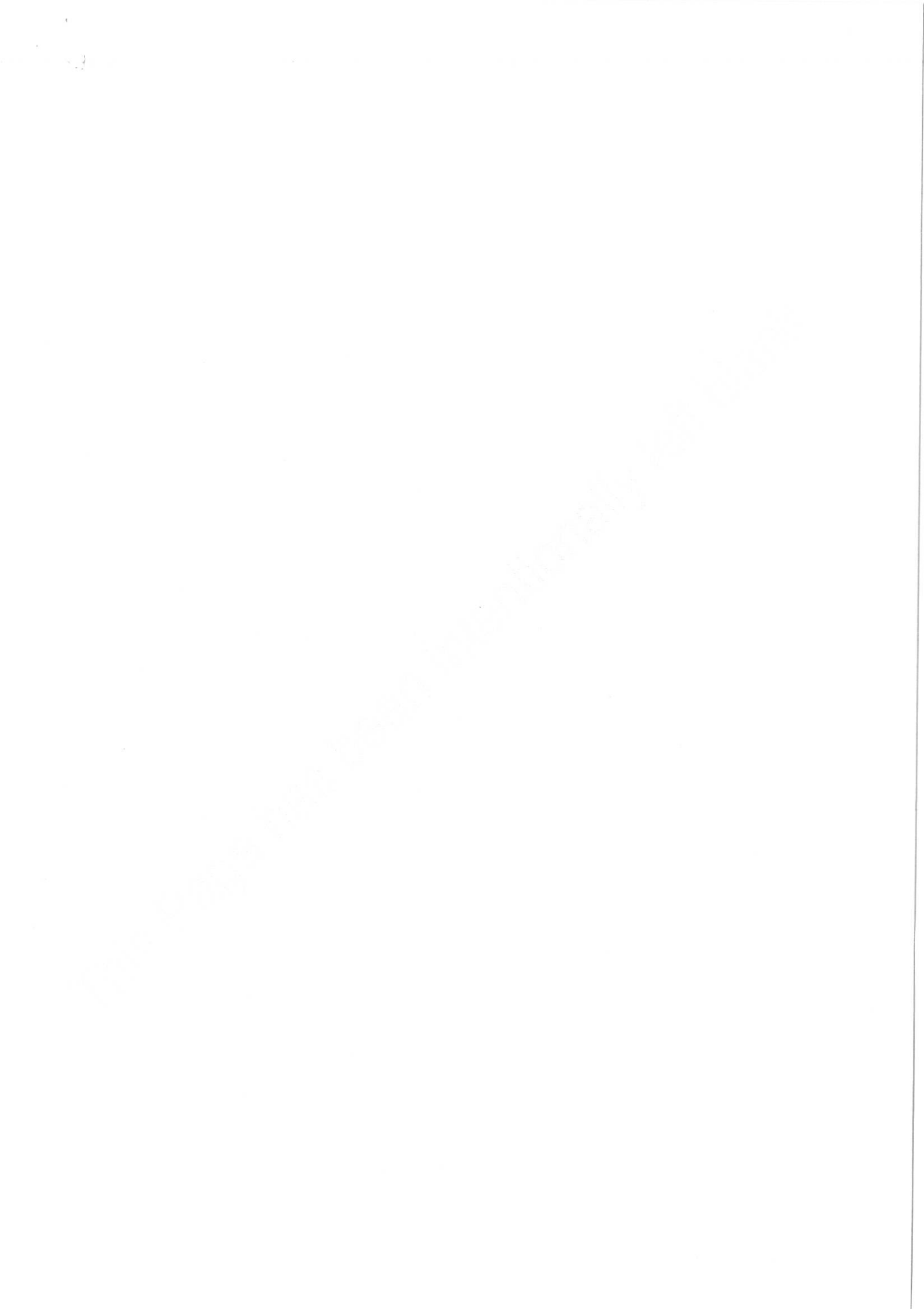
COMMITTEE COMPOSITION

Man-Made Fibers, Cotton and their Products Sectional Committee, TXD 31

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Textile Committee, Mumbai	SHRI KARTIKAY DHANDA (<i>Chairperson</i>)
All India Cotton Farmer Producer Organization Association, Mumbai	SHRI MANISH PRATAP DAGA SHRI RAJENDRA LAXMAN KARPE (<i>Alternate</i>)
Association of Synthetic Fibre Industries, New Delhi	SHRI M. S. VERMA
AYM Syntex, Dadra and Nagar Haveli, Silvassa	SHRI ARNAB SAMANTHA
Central Institute for Cotton Research, Nagpur	DR G. T. BEHERE DR S. MANICKAM (<i>Alternate</i>)
Coats Groups, Madurai	SHRI MERIL JENSON
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South Gujarat Chambers of Commerce and Industry, Surat	SHRI HIMANSHU BODAWALA SHRI ASHISH GUJARATI (<i>Alternate</i>)
South Gujarat Warp Knitters Association, Surat	SHRI BRIJESH GONDALIYA SHRI RAMAN MEGOTIA (<i>Alternate</i>)
Textile Committee, Mumbai	SHRI J. D. BARMAN SHRI P. N. S. SIVAKUMAR (<i>Alternate</i>)
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The Southern India Mills Association, Coimbatore	DR K. SELVARAJU SHRI NAGARAJAN ESAKKIMUTHU (<i>Alternate</i>)
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BIS Directorate General	SHRI J. K. GUPTA, SCIENTIST 'E'/DIRECTOR AND HEAD (TEXTILES) [REPRESENTING DIRECTOR GENERAL (<i>Ex-officio</i>)]

Member Secretary
SHRI MAYUR KATIYAR
SCIENTIST 'B'/ASSISTANT DIRECTOR
(TEXTILES), BIS



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This Indian Standard has been developed from Doc No.: TXD 31 (21853).

Amendments Issued Since Publication

Amend No.	Date of Issue	Text Affected

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