

BUREAU OF INDIAN STANDARDS

MINUTES

Physical Methods of Tests Sectional Committee, TXD 01

29th Meeting

Date/Day	Time	Venue
19 November 2024 (Tuesday)	1100 h	Through Video Conferencing

ATTENDEES:		
Sl No.	Representative	Organization
1.	Dr. A. S. M. Raja (<i>Chairperson</i>)	ICAR - Central Institute for Research on Cotton Technology (CIRCOT) Mumbai
2.	Smt. Deepali Plawat	Ahmedabad Textile Industries Research Association, Ahmedabad
3.	Shri Anand Majaria	Delta Ropes Mfg. Co., Kolkata
4.	Shri R K Baruah	Directorate General of Quality Assurance, New Delhi
5.	Shri Sachin Kulkarni	Garware Technical Fibres Limited, Pune
6.	Dr. Santanu Basak	ICAR - National Institute of Natural Fibre Engineering and Technology (NINFET), Kolkata
7.	Dr. Nagesh Kumar	-do-
8.	Shri Girish T Masand	Imposub Solutions, Vadodara
9.	Smt. Soumita Chowdhury	Indian Jute Industries Research Association, Kolkata
10.	Shri Bhudipta Saha	Indian Jute Mills Association, Kolkata
11.	Shri S P Kalia	National Test House, Kolkata
12.	Shri Vipin V	-do-
13.	Shri Sanjeev Shukla	Northern India Textile Research Association, Ghaziabad
14.	Shri Soumyadipta Datta	Office of the Jute Commissioner, Kolkata
15.	Shri Asuna Mukherjee	-do-
16.	Shri Sivakumar S.	Office of the Textile Commissioner, Mumbai
17.	Dr Karthikeyan K.	SGS India Pvt. Ltd, Chennai
18.	Shri Shivendra Parmar	Tuv Rhineland (India) Private Limited, Mumbai

19.	Shri Balasubramani Shekhar	-do-
20.	Smt. Meeta Bharat Shingala	Testtex India Laboratories Private Limited, Noida
21.	Shri Chandrakant Palekar	-do-
22.	Shri Harit Sardana	Texanlab Laboratories Private Limited, Navi Mumbai
23.	Shri Vivek Patil	-do-
24.	Dr. P. Ravichandran	Textiles Committee, Mumbai
25.	Shri Hemal M Thanawala	Thanawala and Company Mumbai
26.	Shri R.A. Sheikh	The Bombay Textile Research Association, Mumbai
27.	Dr. Manisha Mathur	The Synthetic and Art Silk Mills Research Association, Mumbai
28.	Shri Vishal Masand	Tirupati Technik, Mumbai
29.	Dr. Neha Mehra	VJTI, Mumbai
30.	Shri Varun Gupta	World Traders Manufacturing Co., Mumbai
31.	Smt Seema Patel	Wool Research Association, Thane

BIS DIRECTORATE GENERAL:

1. Shri Amit Kumar Pandey Bureau of Indian Standards, New Delhi
(Scientist-B, Textiles)

Item 0 WELCOME AND INTRODUCTORY REMARKS BY THE CHAIRPERSON

0.1 Dr A. S. M. Raja, Chairperson of TXD welcomed all the members of the committee and informed the committee member about the stringent rules set by BIS, as per the directions of the competent authority i.e. DG BIS, for the active participation of members in the technical committee meeting. He also requested all the committee members for providing their precious inputs on the Wide circulation drafts and Preliminary drafts through the BIS portal which is very essential for improving the quality of standardization.

0.2 Shri Amit Kumar Pandey, Member Secretary, extended a warm welcome to the Chairperson and committee members. He also urged the committee members to provide their precise inputs over the agenda items.

Item 1 CONFIRMATION OF THE MINUTES OF THE PREVIOUS MEETING

1.1 The committee scrutinized the comments received from Shri Sachin P. Kulkarni, representing M/s Garware Technical Fibres Ltd., Pune on the minutes of 28th meeting of TXD 01 held on 13 August 2024. After detailed deliberations, the committee decided to **CONFIRMED** the minutes with the following modification in Sl. No. (i) under item 2.1 –

“i) A revised nomination shall be provided from M/s Garware Technical Fibres Ltd., Pune as Shri Kishor Darda has been transferred to another department within Garware Technical Fibres Ltd., Pune.”

Item 2 COMPOSITION AND SCOPE OF TXD 01

2.1 The committee reviewed the present scope and composition of TXD 01 as given in **Annex 1** to the agenda and decided as follows:

- i) A revised nomination shall be provided from M/s National Jute Board, Kolkata as sought in the previous meeting of TXD 01 which is still awaited.

2.2 The Committee scrutinized the request received from Shri Madhan R and Shri Suresh Sundaramurthy for representation on TXD 01 in individual capacity along with his CV and other information as given in **Annex 2 and Annex 3 respectively** to the agenda. After detailed deliberations, the committee unanimously decided to decline their requests to represent the committee in individual capacity.

Item 3 ISSUES ARISING OUT OF THE PREVIOUS MEETING

3.1 The committee noted the actions taken on the various decisions in the last meeting as given in **Annex 4** to the agenda.

Item 4 DRAFT STANDARDS FOR FINALIZATION

4.1 The Committee scrutinized the following draft Indian Standards as given in **Annex 5** to the agenda:

- i) [**Doc. : TXD 01 (26245)**], Second Revision of IS 1315, Textiles — Linear density of yarns spun on cotton System — Methods of test
- ii) [**Doc. : TXD 01 (26246)**], Second Revision of IS 6490, Textiles — Stiffness characteristic of fabrics — Methods of Test
- iii) [**Doc. : TXD 01 (26247)**], First Revision of IS 3689, Textiles — Yarn count system for designating linear density
- iv) [**Doc. : TXD 01(26560)**], First Revision of IS 16575 : 2016, Textiles — Evaluation of the wrinkle recovery of fabrics — Appearance method (*first revision*)
- v) [**Doc. : TXD 01(24909)**], *Amendment no. 1* to IS 6359, Method for conditioning of textiles (*first revision*)

4.1.1 After detailed deliberations, the committee decided to finalize all the above draft standards and amendments as no comments have been received from any stakeholders. BIS may carry out the editorial changes in the draft if required.

Item 5 DRAFT STANDARDS FOR WIDE CIRCULATION

5.1 The Committee scrutinized the following preliminary draft of the Indian Standards as given in **Annex 6** to the agenda:

- i) [**Doc. : TXD 01(XXXXX)**], *Third revision* of IS 1964, Textiles – Mass per unit length and mass per unit area – Methods of test
- ii) [**Doc. : TXD 01(XXXXX)**], *Third revision* of IS 1670, Textiles – Yarns – Determination of single-end breaking force and elongation at break
- iii) [**Doc. : TXD 01 (XXXXX)**], *Second revision* of IS 1671, Textiles – Strength parameters of yarns spun on cotton system – Methods of test
- iv) [**Doc. : TXD 01 (XXXXX)**], *Third revision* of IS 1963, Textiles – Woven fabrics – Determination of number of threads per unit length
- v) [**Doc. : TXD 01 (XXXXX)**], *Second revision* of IS 7703 (Part 1), Textiles – Synthetic filament flat yarns – Methods of Test Part 1 Linear Density

5.1.1 After detailed deliberations, the committee decided to wide circulate the above draft standards as no technical comments have been received on the circulated preliminary drafts. BIS may carry out the editorial changes in the draft if required.

Item 6 NEW SUBJECTS FOR STANDARDIZATION

6.1 The committee scrutinized the minutes of the first working group meeting for “Preparation of working draft for Smoothness test for fabrics” along with the recommended working draft for the same, as given in **Annex 7** and **Annex 8** to the agenda respectively.

6.1.1 After detailed deliberation and discussions, it is decided to circulate the working draft, recommended by the working group TXD 01WG1, as preliminary draft to all the committee members for 14 days to receive their inputs on the same. The comments, so received, shall be incorporated and same shall be wide circulated for two months to elicit technical comments from the stakeholders. BIS may carry out the editorial changes in the draft if required. Any technical comments received during circulation shall be placed in the next committee meeting for consideration.

Item 7 COMMENCEMENT OF ISO BALLOTS RECEIVED UNDER TXD 01 THROUGH IRD PORTAL

7.1 The committee scrutinized the ISO ballots received from ISO/TC 38 technical committee for systematic review of the following ISO standards related to Physical Testing of Textiles along with the current edition of the below mentioned ISO standards, as given in **Annex 9** to the agenda:

- i) ISO 17202:2002 (vers 4) Textiles — Determination of twist in single spun yarns — Untwist retwist method
- ii) ISO 10306:2014 (Ed 2, vers 2) Textiles — Cotton fibres — Evaluation of maturity by the air flow method

7.1.1 After detailed deliberation and discussions among the committee members, the committee decided to confirm the current edition of both international standards without any changes. The committee also requested members to give their inputs on the ballots through IRD portal.

Item 8 SECTOR-WISE WORKING GROUPS UNDER TXD 01

8.1 The Committee scrutinized the directions of DG, BIS to constitute the working groups for each sector covered in the scope of the TXD 01 Sectional Committee which will work extensively for the development of New Indian Standards or review of published Indian Standard in their particular sector.

8.1.1 After detailed deliberation, the committee decided to constitute two working groups i.e. Physical characterization of Fibres and Yarn, and Physical characterization of Fabric under the convenorship of Dr. T. Senthilkumar, ICAR-CIRCOT, Mumbai and Dr. Manisha Mathur, SASMIRA, Mumbai respectively.

8.1.2 The composition of the ‘Physical characteristics of Fibre and Yarn’ working group is as follows:

- i) Dr. T. Senthilkumar, ICAR-CIRCOT, Mumbai (**Convenor**)
- ii) Representatives from ICAR- CSTRI, Bengaluru
- iii) Representatives from Garware Technical Fibres Ltd., Pune
- iv) Representatives from ICAR- NINFET, Kolkata
- v) Representatives from Imposub Solutions, Vadodara
- vi) Representatives from Office of Jute Commission, Kolkata
- vii) Representatives from Office of Textile Commission, Mumbai
- viii) Representatives from Textile Committee, Mumbai
- ix) Representatives from BITRA, Mumbai
- x) Representatives from Tirupati Technik, Mumbai
- xi) Representatives from World Traders Manufacturing Company, Mumbai

8.1.3 The composition of the ‘Physical characteristics of Fabric’ working group is as follows:

- i) Dr. Manisha Mathur, SASMIRA, Mumbai (**Convenor**)
- ii) Representatives from ATIRA, Ahmedabad
- iii) Representatives from IJIRA, Kolkata
- iv) Representatives from IJMA, Kolkata
- v) Representatives from National Test House, Mumbai
- vi) Representatives from NITRA, Ghaziabad
- vii) Representatives from SGS India Pvt. Ltd., Mumbai
- viii) Representatives from Testex Laboratories India Pvt. Ltd, Noida
- ix) Representatives from Texanlab Laboratories Pvt Ltd, Navi Mumbai
- x) Representatives from Wool Research Association, Thane

Item 9 WITHDRAWAL OF INDIAN STANDARDS

9.1 The committee scrutinized the Indian Standards IS 233 (Part 1-4) : 1978 and IS 10014 (Part 2) : 1981 which are already superseded or amalgamated in other Indian Standards.

9.1.1 Regarding IS 233 (Part 1-4) : 1978 superseded by IS 233 (part 1) : 2021, IS 233 (Part 2) : 2021, IS 233 (Part 3) : 2021 and IS 233 (Part 4) : 2020, the committee decided to recommend the Textile Divisional Council for the withdrawal of IS 233 (Part 1-4) : 1978.

9.1.2 Regarding the withdrawal of IS 10014 (Part 2) : 1981 amalgamated in IS 234 : 2013 , the committee decided to first circulate a mail to all the committee members for providing their inputs on the withdrawal of IS 10014 (Part 2) : 1981. If no objections received from committee members, the same shall be recommended for withdrawal to the Textile Divisional Council with the approval of Chairperson, TXD 01. In case, any objections received from the committee members, same shall be placed in next committee meeting for further deliberations.

Item 10 REVIEW OF INDIAN STANDARDS

10.1 The Committee scrutinized the Indian Standards due for review in the current financial year 2024-25 under the domain of TXD 01 along with the directions of DG, BIS that the Indian Standards which are due for review in the current financial year shall be reviewed either through Action Research Project allocated to an individual committee member or through working group. In addition to this, the committee also scrutinize the proposed allocated experts for review of the Indian Standards as tabled below:

Sl No.	IS No.	IS Title	Allocated experts
1.	IS 232: 2020	Glossary of textile terms - Natural fibres (<i>third revision</i>)	Dr Nagesh Kumar
2.	IS 3674: 2020	Textiles - Cotton Fibres - Determination of micronaire value (<i>first revision</i>)	Dr T. Senthilkumar
3.	IS 3675: 2020	Textiles - Cotton Fibres - Determination of breaking tenacity of flat bundles (<i>first revision</i>)	Dr A. Arputharaj
4.	IS 6919: 2020 ISO 1136:2015	Wool – Determination of mean diameter of fibres – Air-permeability method (<i>first revision</i>)	Dr Mayur Basuk

10.1.1 After detailed deliberations, the committee decided to finalize the expert’s allocation as mentioned in the above table for reviewing the said Indian Standards. The proforma for reviewing the Indian Standards, as placed during the meeting, is given in **Annex 1** to the minutes.

Item 11 DATE AND PLACE OF NEXT MEETING

11.1 The Committee DECIDED to hold the next committee meeting of TXD 01 after the completion of all the actions arising out of this meeting. The next committee meeting of TXD

01 will be held in HYBRID mode at ICAR-CIRCOT, Mumbai whose date will be finalized in consultation with Chairperson, TXD 01.

Item 12 ANY OTHER BUSINESS

12.1 There being no other business, the meeting ended with a hearty vote of thanks to the *Chair* and all the members.

Annex 1
(Item 10.1.1)

Review Proforma

REVIEW ANALYSIS OF INDIAN STANDARD

1. **Sectional Committee No. & Title:** TXD 01, Physical Methods of Test Sectional Committee
2. **IS No:**
3. **Title:**
4. **Date of review:**
5. **Review Analysis**

- i) **Status of standard(s), if any from which assistance had been drawn in the formulation of this IS**

Standard (No. & Title)	Whether the standard has since been revised	Major changes	Action proposed

- ii) **Status of standards referred in the IS**

Referred standards (No. & Title)	IS No. of these standards since revised	Changes that are of affecting the standard under review	Action proposed
		a)	

- iii) **Any other standards available related to the subject & scope of the standard being reviewed (International/regional/other national/association/consortia, etc or of new or revision of existing Indian Standard)**

Standard (No. & Title)	Provisions that could be relevant while reviewing the IS	Action proposed

iv) Technical comments on the standard received, if any

Source	Clause of IS	Comment	Action proposed

v) Information available on technical developments that have taken place (on product/processes/practices/use or application/testing/input materials, etc)

Source	Development	Relevant clause of the IS under review that is likely to be impacted (Clause & IS No.)	Action proposed

vi) Issues arising out of changes in any related IS or due to formulation of new Indian Standard

Related IS and its Title (revised or new)	Provision in the IS under review that would be impacted & the clause no. or addition of new clause/provision	Changes that may be necessary in the Standards under review	Action proposed

vii) Any consequential changes to be considered in other IS

Related IS to get impacted	Requirements to be impacted

6. Any other observation:

7. Recommendations: