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## BUREAU OF INDIAN STANDARDS

### MINUTES

**HANDLOOM AND KHADI SECTIONAL COMMITTEE, TXD 08**

**19<sup>th</sup> Meeting**

<b>Date/Day</b>	<b>Time</b>	<b>Venue</b>
25 June 2024 (Tuesday)	1500 h	Through CISCO Webex Video Conferencing

### ATTENDEES:

- Shri Vishesh Nautiyal Weavers Service Centre, Delhi  
(Chairman)**
- Shri Vivekanandhan (IAS) Department of Handlooms & Textiles, Chennai
- Dr B. Senthil Kumar Gandhigram Rural Institute, Dindigul
- Shri R S Yadav Haryana Khadi Gramodyog Sangh, Karnal
- Dr. Sujata Saxena ICAR – Central Institute for Research on Cotton Technology, Mumbai (CIRCOT)
- Dr. J Sivagnanam Indian Institute of Handloom Technology, Jodhpur
- Shri R K Sharma Jan Sewa Ashram, Aligarh
- Shri Jay Bhatt Khadi Dyers & Printers, Mumbai
- Ms. Shreya -do-
- Shri Rakesh Chaudhary Khadi Gramodyog Mandal, Rampur
- Smt. Neelu Mekle Madhya Bharat Khadi Sangh, Gwalior
- Shri Mahesh kumar Mahatma Gandhi Institute for Rural Industrialization, Wardha
- Shri Arvind Compathane Ministries of Defence (DGQA), New Delhi
- Shri Jitendra Tolambiya National Handloom Development Corporation Ltd., Gautam Budh Nagar
- Dr. M S Parmar Northern India Textile Research Association, Ghaziabad
- Shri Sanjeev Shukla -do-
- Shri Rajesh Kumar Northern Railway, New Delhi
- Shei Sanjeev Kumar -do-
- Shri Sandeep Kumar Singh -do-
- Shri Anil Kumar Singh Rastriya Khadi Gramodyog Federation, Moradabad
- Shri M L Pathak Swastik Gramodyog Samiti, Delhi
- Dr. Siddhartha Rajagopal The Cotton Textiles Export Promotion Council (TEXPROCIL)

23. Dr. Sunder Murugesan The Handloom Export Promotion Council, Chennai

**INVITEE:**

24. Shri Ashim Kohli Flag Foundation of India, New Delhi  
25. Prof. Bipin Kumar IIT, Delhi  
26. Shri Vijay Sridhar Khadi and Village Industries Commission, Mumbai  
27. Shri Jadav A M -do-

**BIS DIRECTORATE GENERAL:**

28. Shri Swapnil Scientist-B/Assistant Director (Textiles) &  
Member Secretary TXD 08  
30. Ms. Shelly Sirohi Executive Assistant (Textiles)

**Item 0 WELCOME & INTRODUCTORY REMARKS**

**0.1** Shri Vishesh Nautiyal, Chairman TXD 08 welcomed the members present in the meeting and appreciated their contribution in the Standards formulation activity in the area of Handloom and Khadi.

**0.2** Shri Swapnil, Member Secretary TXD 08 also welcomed the Chairman and members present during the meeting.

**Item 1 CONFIRMATION OF MINUTES OF THE PREVIOUS MEETING**

**1.1** The committee **CONFIRMED** the minutes of the 18<sup>th</sup> meeting of the committee held on 29 November 2023 through VC as circulated vide BIS letter No. TXD 08/A2.18 dated 10 December 2023 without any changes.

**Item 2 SCOPE AND COMPOSITION OF TXD 08**

**2.1** The Committee **REVIEWED** the present scope and composition of the Committee as given in **Annex 1** to the agenda and **DECIDED** as follows:

- i) Shri Vishesh Nautiyal, Chairperson of TXD 08, would help in getting the fresh nominations from Center of Excellence for Khadi (COEK)-NIFT, New Delhi.
- ii) Dr. M Sundar, The Handloom Export Promotion Council, Chennai would help in getting the fresh nominations from Department of Handlooms & Textiles, Chennai.
- iii) Fresh nomination to be obtained from IIHT, Varanasi.
- iv) The Committee decided to co-opt the following organizations in TXD 08 Sectional Committee:
  - a) IIHT, Salem;
  - b) IIT, Delhi;

- c) Flag Foundation of India, New Delhi; and
- d) KVIC, Mumbai.

**Item 3 ISSUES ARISING OUT OF THE PREVIOUS MEETINGS**

**3.1** The Committee **NOTED** the summary of actions taken on the various decisions of the previous meetings of TXD 08 as given in **Annex 2** to the agenda and decided as follows:

**For item 3.1:** Regarding Standard for Polyester Fabric Flag:

- a) The committee noted that no inputs have been received from M/s Khadi Dyers and printers, Mumbai and Dr. Thennarasu P of Indian Institute of Handloom Technology, Varanasi on Indian National Flag made of Polyester.
- b) After deliberation the committee decided that M/s Khadi Dyers and printers, Mumbai shall send the 5 samples of National Flag made of Polyester to BIS and Dr. Thennarasu P of Indian Institute of Handloom Technology, Salem.
- c) After detailed deliberation, the committee decided that Dr. Bipin Kumar, IIT, Delhi and Shri Ashim Kohli, Flag Foundation of India, New Delhi would provide the inputs on Indian National Flag made of Polyester to BIS.
- d) After deliberation the committee further decided that M/s Khadi Dyers and printers, Mumbai and Dr. Thennarasu P of Indian Institute of Handloom Technology, Salem shall provide the required inputs on National Flag made of Polyester within 15 days.
- e) Further, after detailed deliberations the committee decided that based on inputs received, working/ preliminary draft on Polyester Fabric Flag shall be prepared which shall be circulated to committee members for 15 days for eliciting technical comments and working/ preliminary draft along with comments shall be discussed in next meeting.

**Item 4 DRAFT STANDARDS FOR FINALIZATION**

**4.1** The Committee scrutinized the following WC draft standards as given in **Annex 3** to the agenda along with the comments received from various stakeholders as given in **Annex 4** to the agenda.

<b>Sl No.</b>	<b>IS No.</b>	<b>Title</b>
1.	TXD 8 (23969) Revision of: IS 1093:1981	Textiles — Handloom cotton Madras handkerchiefs — Specification ( <i>second revision</i> )
2.	TXD 8 (23974) Revision of: IS 1094:1976	Textiles — Handloom Cotton Gada Cloth — Specification ( <i>second revision</i> )
3.	TXD 8 (23976) Revision of: IS 1096:1987	Textiles — Handloom Cotton Holland Cloth Unscoured — Specification ( <i>second revision</i> )
4.	TXD 8 (23977) Revision of: IS 1100:1978	Textiles — Handloom Cotton Crepe — Specification ( <i>second revision</i> )
5.	TXD 8 (23978) Revision of: IS 1102:1968	Textiles — Handloom Buckram Cloth — Specification ( <i>second revision</i> )

6.	TXD 8 (23994) Revision of: IS 1241:1987	Textiles — Handloom Cotton Calico Bleached or Dyed — Specification ( <i>second revision</i> )
7.	TXD 8 (23995) Revision of: IS 1242:1975	Textiles — Handloom Cotton Shirting — Specification ( <i>second revision</i> )
8.	TXD 8 (23996) Revision of: IS 1243:1981	Textiles — Handloom Cotton Coating — Specification ( <i>second revision</i> )
9.	TXD 8 (23997) Revision of: IS 1246:1978	Textiles — Handloom Cotton Curtain Cloth — Specification ( <i>second revision</i> )
10.	TXD 8 (24018) Revision of: IS 1247:1987	Textiles — Handloom Cotton Madras Check — Specification ( <i>second revision</i> )
11.	TXD 8 (24019) Revision of: IS 1267:1992	Textiles — Handloom Worsted Rafal Shawls and Lohis — Specification ( <i>second revision</i> )
12.	TXD 8 (24028) Revision of: IS 749:1978	Textiles — Handloom Cotton Dungri Cloth — Specification ( <i>second revision</i> )
13.	TXD 8 (24029) Revision of: IS 750:1976	Textiles — Handloom Cotton Lungies — Specification ( <i>second revision</i> )
14.	TXD 8 (24030) Revision of: IS 858:1981	Textiles — Handloom Cotton Table Cloth and Napkins — Specification ( <i>second revision</i> )
15.	TXD 8 (24032) Revision of: IS 892:1980	Textiles — Handloom Wool Blankets Natural Grey Brown — Specification ( <i>third revision</i> )
16.	TXD 8 (24659) Revision of: IS 7216:1974	Textiles — Handloom Cotton Angavastram — Specification ( <i>first revision</i> )
17.	TXD 8 (24921) Revision of: IS 1579:1979	Textiles — Handloom Cotton Twills — Specification ( <i>second revision</i> )
18.	TXD 8 (24922) Revision of: IS 1937:1987	Textiles — Handloom Cotton Bleeding Madras — Specification ( <i>second revision</i> )
19.	TXD 8 (24923) Revision of: IS 1939:1975	Textiles — Handloom Cotton Handkerchiefs — Specification ( <i>second revision</i> )
20.	TXD 8 (24927) Revision of: IS 2158:1991	Textiles — Handloom Viscose Staple Fibre Lungies — Specification ( <i>second revision</i> )
21.	TXD 8 (24929) Revision of: IS 859:1978	Textiles — Handloom Cotton Dusters — Specification ( <i>second revision</i> )
22.	TXD 8 (24942) Revision of: IS 8797:1978	Textiles — Handloom Cotton Fabric for School Uniforms — Specification ( <i>first revision</i> )
23.	TXD 8 (24943) Revision of: IS 13717:1993	Textiles — Polyester Cotton Blended Khadi Polyvastra Suttings for Uniform — Specification ( <i>first revision</i> )

**4.1.1** After detailed deliberations the committee decided as follows:

a) For standards at SI No. 1, 3, 4, 5, 11, 13, 16, 17, 18, 19, 20, 21 and 22, the committee decided to **FINALIZE** the WC drafts for publication without any changes.

b) For standards at SI No. 2, 9, the committee decided to **FINALIZE** the WC draft for publication with the following changes:

[Page 21 and 63, Clause 6.4] — Under the column 3 & 4 i.e. No. of Test & Criterion for Conformity respectively for SI No. (i) erroneously mentioned as Col (2) & (3). Similarly, in SI. No (2) under No. of Test Column written as Col (4). It shall be Col (3) and Col (4) for No. of Test & Criterion for Conformity as per Table 3 for SI No (i). Similarly for SI No (ii) under No. of Tests shall be Col (5).

c) For standards at SI No. 12, the committee decided to **FINALIZE** the WC draft for publication with the following changes:

[Page 83, Clause 4.2, Table 2, SI No. iv] — Change the requirement of pH value of aqueous extract from 6 or 8.5 to 6 to 8.5.

[Page 84, Clause 6.4] — Under the column 3 & 4 i.e. No. of Test & Criterion for Conformity respectively for SI No. (i) erroneously mentioned as Col (2) & (3). Similarly, in SI. No (2) under No. of Test Column written as Col (4). It shall be Col (3) and Col (4) for No. of Test & Criterion for Conformity as per Table 3 for SI No (i). Similarly for SI No (ii) under No. of Tests shall be Col (5).

d) For standards at SI No. 15, the committee decided to **FINALIZE** the WC draft for publication with the following changes:

[Page 103, Table 2] — To include the requirement of pH Value of aqueous extract in between 5 to 7.5 as per IS 1390.

[Page 104, Clause 5.4] — Under No. of Tests column mentioned as According to col 2 of Table 3 and according to col 4 of Table 3. Column 2 is for Lot size not a sample size and Column 4 is for Permissible No. of Non-Conforming Blankets. Under Criterion for Conformity, column 3 is for sample size. It shall be Col 3 of Table 3 in No. of Tests. Under Criterion for Conformity, column shall be 4. Under No. of tests in second row, it shall be column 5.

e) For standards at SI No. 6, the committee decided to **FINALIZE** the WC draft for publication with the following change:

[Page 44, Table 2] — To include the requirement of pH Value of aqueous extract in between 6 to 8.5 as per IS 1390.

f) For standards at SI No. 7, the committee decided to **FINALIZE** the WC draft for publication with the following change:

[Page 50, Table 2] — To include the requirement of pH Value of aqueous extract in between 6 to 8.5 as per IS 1390.

g) For standards at SI No. 10, the committee decided to **FINALIZE** the WC draft for publication with the following change:

[Page 68, Table 2] — To include the requirement of pH Value of aqueous extract in between 6 to 8.5 as per IS 1390.

h) For standards at SI No. 14, the committee decided to **FINALIZE** the WC draft for publication with the following change:

[Page 96, Table 2] — To include the requirement of pH Value of aqueous extract in between 6 to 8.5 as per IS 1390.

j) For standard at SI No. 8, the committee decided to **FINALIZE** the WC draft for publication with the following change:

[Page 56, Table 2] — Insert the following note at the end:

Nature of coating and percentage of coating shall be as agreed between buyer and seller.

k) For standard at SI No. 23, the committee decided to **FINALIZE** the WC draft for publication with the following changes:

[Page 164, Annex C] — Substitute the following for existing:

Cut a sample of fabric measuring 30 cm × 30 cm and bring it to moisture equilibrium by conditioning in standard atmospheric conditions of 67 percent ± 2 percent RH and 27 °C ± 2 °C temperature (*see* IS 6359). Mark a square of 25 cm × 25 cm on the sample. Make four reference points on each side of the square at 5 cm intervals so that by including the sides of the square, six determinations can be made in warp and weft direction. Make two slits of 1.25 cm from opposite edges of the fabric and pass a rod through the slits. Mount the sample in the ventilated oven by means of the rod so that air circulates freely around the sides of the sample. Bring the oven to a temperature of 160 °C ± 4 °C before the sample is inserted into the oven and the sample shall remain in the oven for 16 seconds. Then withdraw the sample and remove it from the rod, lay in on a flat smooth surface and allow it to cool. Measure the distance between each pair of marks to the nearest millimeter and record the change in the dimensions. Determine the average of the readings in the warp and weft directions separately and express it as a percentage of the original length.

BIS may carry out any editorial changes in the above drafts, if required.

## Item 5 COMMENTS ON PUBLISHED INDIAN STANDARDS

**5.1** The Committee scrutinized the comments received from Shri Manoj Kumar, on IS 745 : 2021 ‘Textiles — Handloom Cotton Bed Sheets — Specification (*fourth revision*)’ and IS 854 : 2021 ‘Textiles — Handloom Cotton Turkish, Honeycomb and Huckaback Towels and Towelling Cloth — Specification (*third revision*)’. After detailed deliberations the committee decided to drop the comments as given in **Annex 5** to the agenda.

**5.2** The Committee scrutinized the comments received from Manak Manthan organized by BIS Guwahati Branch Office on 04 May 2024, on IS 752 : 2023 ‘Textiles — Handloom Cotton Muslin, Bleached — Specification’, IS 755 : 2023 ‘Textiles — Handloom Cotton Malmal — Specification’ and IS 8039 : 2023 ‘Textiles — Handloom Cotton Mix Saris — Specification’. After detailed deliberations the committee decided to drop the comments as mentioned at Sl No. (a), (c), (e), and (g) in **Annex 6** to the agenda.

After detailed deliberations the committee also decided to issue amendments for standards IS 8039 : 2023 and IS 752 : 2023 after incorporating the following changes:

a) For IS 8039 : 2023, [Page 1, Clause 4.1.1] — Substitute the following for existing:

The yarn shall be either filament or spun made from viscose rayon, modal, or tencel.

[Page 2, Table 2, Sl No. iv] — Change the requirement of colour fastness to Light (for dyed fabrics only) from 5 or better to 4 or better.

[Page 3, Clause 7.4] — Substitute the following for existing:

### 7.4 Number of Samples and Criteria for Conformity

The number of samples to be drawn and the criteria for conformity of the material for various characteristics shall be as follows:

<i>Sl No.</i>	<i>Characteristics</i>	<i>Number of Samples</i>	<i>Criterion for conformity</i>
(1)	(2)	(3)	(4)
i)	Ends, picks, mass, length, width and visual inspection	According to col (3) of Table 3	Number of non-conforming pieces shall not exceed the corresponding number given in col (4) of Table 3

ii)	Dimensional change, scouring loss, fibre identification, colour fastness and breaking load	According to col (5) of Table 3	All the test pieces shall meet the requirement
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b) For IS 752 : 2023, [Page 1, Clause 5.3] — Replace "fuel" with "feel" in the third line.

[Page 3, Clause 7.5] — Substitute the following for existing:

### 7.5 Number of Tests and Criteria of Conformity

<i>Sl. No</i>	<i>Characteristics</i>	<i>Number of Tests</i>	<i>Criteria for Conformity</i>
(1)	(2)	(3)	(4)
i)	Ends, picks, mass, length and width, indeterminable characteristics and visual inspection	According to col (3) of Table 3	Number of non-conforming pieces not exceed the corresponding number given in col (4) of Table 3
ii)	Dimensional change, scouring loss and fibre identification	According to col (5) of table 3	All the test specimens shall meet the requirements

Draft amendment for above standards IS 752 : 2023 and IS 8039 : 2023 shall be issued for Wide Circulation for two months for eliciting technical comments/ inputs/ suggestions from stakeholders.

BIS may carry out any editorial changes in the above drafts, if required.

**5.3** The Committee scrutinized the comments received from Shri M L Pathak, Swastik Gramodyog Samiti, Delhi on ‘Amend all Khadi Specifications Under head "SAMPLING" sub head LOT Size’. After detailed deliberations the committee decided to drop the comments as given in **Annex 7** to the agenda.

### Item 6 REVIEW OF PUBLISHED INDIAN STANDARDS

**6.1** The committee scrutinized the review analysis/performas of the following standards which were circulated to the committee members for eliciting comments/comments/suggestions through BIS portal as given in **Annex 8** to the agenda.

<b>Sl No.</b>	<b>IS No.</b>	<b>Title</b>
1.	IS 1101 : 1981	Specification for handloom cotton cellular shirting ( <i>first revision</i> )



2.	IS 1451 : 1979	Specification for handloom cotton drills ( <i>first revision</i> )
3.	IS 753 : 1983	Specification for handloom cotton pugri cloth, bleached or dyed ( <i>second revision</i> )
4.	IS B753 : 1983	Handloom Cotton Pugri Cloth, Bleached or Dyed (bilingual)
5.	IS 3773 : 1994	Textiles — Napkins and table cloth, cotton khadi, bleached — Specification
6.	IS 4371 : 1994	Textiles — KAMBLIES, wool khadi, loomstate — Specification ( <i>first revision</i> )
7.	IS 3784 : 1994	Textiles — Cloth, cotton khadi, bleached, for general purposes — Specification ( <i>first revision</i> )
8.	IS 4107 : 1994	Textiles — Blanketing cloth wool khadi ( <i>first revision</i> )
9.	IS 4372 : 1994	Textiles — Cloth, twill, wool khadi, dyed — Specification ( <i>first revision</i> )

**6.1.1** The committee **NOTED** the decision (*refer item 6.2 to the agenda*) taken by the chairman of TXD 08 on behalf of the committee on review of the standards as mentioned in above table and after detailed deliberations the committee **DECIDED** that BIS shall prepare a revision draft of standards as mentioned at Sl No. 1 to 5 and same shall be wide circulation for two months for eliciting technical comments from stakeholders.

BIS may carry out any editorial changes in the above drafts, if required.

**6.2** The Committee considered the following standards due for review under the five year review criteria. After detailed deliberation, the committee decided to allocate the standards to Member Secretary TXD 08 for review and same shall be circulated to committee members for 15 days for technical inputs/ comments/ suggestions.

Sl No.	IS No.	Title
1.	IS 17388 : 2020	Textiles — Polyvastra bedsheets, Khadi — Specification
2.	IS 17389 : 2020	Textiles — Polyvastra pillow cover, Khadi — Specification

BIS may carry out any editorial changes in the above drafts, if required.

## **Item 7 NEW WORK ITEM PROPOSAL**

**7.1** The Committee scrutinize the draft on ‘Khadi Yarn’ as given in **Annex 9** to the agenda and after detailed deliberation, the committee decided to wide circulate the draft for two months for eliciting technical inputs/ comments/ suggestions from stakeholders.

BIS may carry out any editorial changes in the above drafts, if required.

**Item 8 DATE AND PLACE OF NEXT MEETING**

**8.1** The Committee **DECIDED** to hold the next meeting of TXD 08 followed by workshop/ seminar focusing on the subject “Handloom and Khadi” in the end of the September or 27 September after all the actions are completed. The date and place of the meeting would be finalized as tentative consultation with the Chairman, TXD 08, in due course.

**Item 9 ANY OTHER BUSINESS**

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