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BUREAU OF INDIAN STANDARDS

MINUTES

HANDLOOM AND KHADI SECTIONAL COMMITTEE, TXD 08

18th Meeting

Date/Day	Time	Venue
29 November 2023 (Wednesday)	1100 h	Through CISCO Webex Video Conferencing

ATTENDEES:

1. Shri Vishesh Nautiyal (Chairman) Weavers Service Centre, Delhi
2. Shri P K Mishra Central Pollution Control Board, New Delhi
3. Shri Rishabh Srivastav -do-
4. Shri Sanjeev Kumar Singh CRPF, New Delhi
5. Shri R S Yadav Haryana Khadi Gramodyog Sangh, Karnal
6. Dr. Sujata Saxena ICAR – Central Institute for Research on Cotton Technology, Mumbai (CIRCOT)
7. Dr. A.S.M. Raja -do-
8. Dr. P Thennarasu Indian Institute of Handloom Technology, Varanasi
9. Dr. J Sivagnanam Indian Institute of Handloom Technology, Jodhpur
10. Shri Anand Kumar Indo Tibetan Border Police, New Delhi
11. Shri R K Sharma Jan Sewa Ashram, Aligarh
12. Shri Dhanesh Bhatt Khadi Dyers & Printers, Mumbai
13. Shri Jay Bhatt -do-
14. Smt. Neelu Mekle Madhya Bharat Khadi Sangh, Gwalior
15. Shri Mahesh kumar Mahatma Gandhi Institute for Rural Industrialization, Wardha
16. Shri G Madhav Metpalli Khadi Gramodyog Pratisthan, Metpalli
17. Shri Arvind Kamthane Ministries of Defence (DGQA), New Delhi
18. Dr. M S Parmar Northern India Textile Research Association, Ghaziabad
19. Shri Sanjeev Shukla -do-
20. Shri Anil Kumar Singh Rastriya Khadi Gramodyog Federation, Moradabad
21. Shri M L Pathak Swastik Gramodyog Samiti, Delhi

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| 22. | Dr. Siddhartha Rajagopal | The Cotton Textiles Export Promotion Council (TEXPROCIL), Mumbai |
| 23. | Shri Rajesh Satam | -do- |
| 24. | Ms. Kalavathi Rao | -do- |
| 25. | Shri N. Sreedhar | The Handloom Export Promotion Council, Chennai |
| 26. | Shri T. N. Venkatesh | The Tamil Nadu Handloom Weavers' Cooperative Society Ltd, Chennai |

BIS DIRECTORATE GENERAL:

- | | | |
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| 1. | Shri Swapnil | Scientist-B/Assistant Director (Textiles)
& Member Secretary TXD 08 |
| 2. | Ms. Shelly Sirohi | Executive Assistant TXD |

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 considered the comment received from Dr. P Thennarasu, Indian Institute of Technology, Varanasi as given in **Annex 1** to the agenda on the minutes of the 17th meeting of the Committee held on 17 July 2023 through VC were circulated vide BIS Directorate General letter No. TXD 08/A2.17 dated 16 August 2023. The committee **CONFIRMED** the minutes of the 17th meeting of the committee 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 2** to the agenda and **DECIDED** as follows:

- a) Shri Vishesh Nautiyal (Chairman), as a Principal Member of Weavers Service Centre, Delhi would provide the Alternate Member.
- b) Dr. J Sivagnanam, Indian Institute of Handloom Technology, Jodhpur would help in getting nominations of Gandhigram Rural Institute, Dindigul.

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 3** to the agenda and decided as follows:

For item 7: 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, Varanasi.
- c) After deliberation the committee further decided that M/s Khadi Dyers and printers, Mumbai and Dr. Thennarasu P of Indian Institute of Handloom Technology, Varanasi shall provide the required inputs on National Flag made of Polyester within 15 days.
- d) 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 REVIEW OF PUBLISHED STANDARDS

4.1 The committee scrutinized the review perfoma/analysis of standards due for review under the five year review criteria as given in **Annex 4** to the agenda. After deliberation, the committee decided to reaffirm the following standards for further period of five years.

SI No.	IS Number	IS Title
1.	IS 3769 : 2019	Textiles – Pugree cloth, cotton khadi, bleached or dyed – Specification (second revision), (first revision)
2.	IS 3770 : 2019	Textiles – Dosuti, cotton khadi, bleached or dyed – Specification (second revision)
3.	IS 3771 : 2019	Textiles – Long cloth, cotton khadi, bleached – Specification (second revision)
4.	IS 3777 : 2019	Textiles – Dusters, cotton khadi, bleached – Specification (second revision)
5.	IS 3778 : 2019	Textiles – Dungri cloth, cotton khadi, bleached – Specification (second revision)
6.	IS 3779 : 2019	Textiles – Sheeting cloth, cotton khadi, bleached – Specification (second revision)
7.	IS 3781 : 2019	Textiles – Honeycomb and huckaback towels, Cotton khadi, bleached or dyed – Specification (second revision)
8.	IS 4106 : 2019	Textiles – Bunting cloth, cotton khadi, dyed – Specification (second revision)

Item 5 RESEARCH AND DEVELOPMENT PROJECT

5.1 The Member Secretary briefed the committee about the Guidelines for Research & Development Project as given in **Annex 6** to agenda. Accordingly, the committee scrutinized the draft Term of Reference (ToR) for the subjects Revision of 'IS 12388 : 1988 Specification for handloom cotton voile' and Revision of 'IS 3772 : 1994 Textiles – Mazri, cotton khadi, scoured – Specification' as given in **Annex 5** to the agenda.

After the deliberation, the committee **APPROVED** the ToR with the minor changes/ modification of Degree in Textile/Handloom (5 years of experience)/Diploma in Textile/Handloom (8 years of experience) at point '6 Requirement for the CVs' of ToR and modification in Timeline from 0-45 days to 0-30 days, and 45-90 days to 30-90 days at point '7 Timeline and Method of Progress Review' of ToR.

The approved Term of Reference (ToR) for the subjects Revision of 'IS 12388 : 1988 Specification for handloom cotton voile' and Revision of 'IS 3772 : 1994 Textiles – Mazri, cotton khadi, scoured – Specification' is given in **Annex 1** to the minutes.

Item 6 DATE AND PLACE OF NEXT MEETING

6.1 The Committee **DECIDED** to hold the next meeting of TXD 08 in consultation with the Chairman after all the actions are completed. The date and place of the meeting would be finalized in consultation with the Chairman, TXD 08, in due course.

Item 7 ANY OTHER BUSINESS

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

ANNEX 1
(Item 5.1)

TERMS OF REFERENCE FOR THE R&D PROJECTS

1. Title of the Project: Revision of 'IS 12388 : 1988 Specification for handloom cotton voile'.

2. Background

a) Technical Committee: Handloom and Khadi Sectional Committee, TXD 08 under Textile Division Council.

b) IS 12388 : 1988 'Specification for handloom cotton voile'. Handloom cotton voile is a lightweight, breathable, and sheer fabric known for its soft and delicate texture. It's often used for making comfortable, flowy clothing, curtains, and other lightweight textiles.

c) 'IS 12388 Specification for handloom cotton voile'. The existing standard prescribes constructional particulars and other requirements for handloom cotton voile having minimum mass of 48 g/m² and 42 g/m². The existing standard specifies the constructional particulars like ends/dm, picks/dm, gsm and dimension of handloom cotton voile. The existing standard also includes other important performance requirements like dimensional change, scouring loss, colour fastness to light, and washing. In order to take holistic view on the subject and to revise an indigenous Indian Standard, a detailed study of already developed specification for handloom cotton voile is required to be conducted to incorporate additional varieties.

3. Scope

This standard specifies the requirements for two varieties of handloom cotton voile. The proposed research and development will provide additional varieties along with their respective requirements. The revision of IS 12388 will be beneficial for the handloom industries, as it will enhance awareness and earnings of handloom weavers.

The project aims to generate and collect technical data for constructional particulars like ends/dm, picks/dm, gsm and dimension of handloom cotton voile and important performance requirements like dimensional change, scouring loss, colour fastness to light, and washing.

4. Expected Deliverables

- a) To generate empirical data for the requirements of ends/dm, picks/dm, dimensions, scouring loss, dimensional change, colour fastness and breaking load etc. by conducting tests on handloom cotton voile.
- b) To appropriately incorporate the test methods for testing the above mentioned requirements.
- c) Any other important requirement for handloom cotton voile may also be incorporated in the draft standard if required.

5. Research Methodology

- a) To collect the available data for the requirements of handloom cotton voile through desktop study, books, magazines, national and international standards information available with manufactures, laboratories, academia or any other source. Identifying the stakeholders, including manufacturer, Laboratories, etc. for handloom cotton voile to understand the manufacturing process and collect data.
- b) To purchase/collect 10 samples of handloom cotton voile and carrying out tests like ends/dm, picks/dm, dimensions, scouring loss, dimensional change, colour fastness, and breaking load etc. and any other quality parameters by conducting tests on handloom cotton voile. These results are tabulated and examined to determine the final values to be incorporated in the standard.
- c) Visiting of handloom industries/testing labs to collect information, regarding raw materials, varieties, performance parameters, manufacturing and packaging practices, sampling and testing methods or any other important requirement of handloom cotton voile (if required).
- d) Visiting/Consulting or Taking feedback from the users/consumers/professionals regarding the issues faced related to quality of handloom cotton voile and including the specific requirement and characteristics in the draft standard.
- e) Develop and formulate the specification standard (as per IS 12) based on the collected data, ensuring that they align with national and international quality benchmarks, meet user expectation and industry norms.

6. Requirement for the CVs

Degree in Textile/Handloom with 5 years of experience OR Diploma in Textile/Handloom with 8 years of experience.

7. Timeline and Method of Progress Review

No. of Days (Timeline)	Status of work to be done
0 to 30	Collecting the references (books/magazines/ national and international standards) and studying these references to execute the project with appropriate knowledge on the subject and identifying the industries to understand the manufacturing and collection of samples.
30 to 90	Visiting the Handloom Industries and testing labs in identified organizations for collecting the samples and preparing test data.
90 to 135	Examining the results of samples tested.
135 to 180	Submission of final results of the project, Consolidation of data and Submission of preliminary draft Indian standard based on project.

8. Support BIS will Provide

BIS shall provide the previous versions of IS 12388 and all the relevant national/international standards required for carrying out study.

TERMS OF REFERENCE FOR THE R&D PROJECTS

1. Title of the Project: Revision of 'IS 3772 : 1994 Textiles – Mazri, cotton khadi, scoured – Specification'.

2. Background

a) Technical Committee: Handloom and Khadi Sectional Committee, TXD 08 under Textile Division Council.

b) IS 3772 : 1994 'Textiles – Mazri, cotton khadi, scoured – Specification'. Cotton khadi Mazri is a handspun and handwoven fabric that is often used to make traditional clothing, particularly in rural areas. It is known for its coarse and textured appearance, which gives it a natural and rustic feel.

c) 'IS 3772 Textiles – Mazri, cotton khadi, scoured – Specification'. The existing standard prescribes constructional particulars and other requirements for scoured cotton khadi Mazri having mass of 170 g/m². The existing standard specifies the constructional particulars like ends/dm, picks/dm, gsm and dimension of cotton khadi mazri. The existing standard also includes other important performance requirements like dimensional change, scouring loss, colour fastness to light, washing, and rubbing. In order to take holistic view on the subject and to revise an indigenous Indian Standard, a detailed study of already developed specification for cotton khadi mazri is required to be conducted to incorporate additional varieties.

3. Scope

This standard specifies the requirements for a single variety of scoured cotton khadi mazri. The proposed research and development will provide additional varieties along with their respective requirements. The revision of IS 3772 will be beneficial for the khadi industries, as it will enhance awareness and earnings of khadi spinners and weavers.

The project aims to generate and collect technical data for constructional particulars like ends/dm, picks/dm, gsm and dimension of scoured cotton khadi mazri and important performance requirements like dimensional change, scouring loss, colour fastness to light, washing, and rubbing.

4. Expected Deliverables

a) To generate empirical data for the requirements of ends/dm, picks/dm, dimensions, scouring loss, dimensional change, colour fastness, pH value and breaking load etc. by conducting tests on Scoured Cotton Khadi Mazri.

- b) To appropriately incorporate the test methods for testing the above mentioned requirements.
- c) Any other important requirement for scoured cotton khadi mazri may also be incorporated in the draft standard if required.

5. Research Methodology

- a) To collect the available data for the requirements of scoured cotton khadi mazri through desktop study, books, magazines, national and international standards information available with manufactures, laboratories, academia or any other source. Identifying the stakeholders, including manufacturer, Laboratories, etc. for scoured cotton khadi mazri to understand the manufacturing process and collect data.
- b) To purchase/collect 10 samples of scoured cotton khadi mazri and carrying out tests like ends/dm, picks/dm, dimensions, scouring loss, dimensional change, colour fastness, pH value, and breaking load etc. and any other quality parameters by conducting tests on Scoured Cotton Khadi Mazri. These results are tabulated and examined to determine the final values to be incorporated in the standard.
- c) Visiting of khadi industries/testing labs to collect information, regarding raw materials, varieties, performance parameters, manufacturing and packaging practices, sampling and testing methods or any other important requirement of scoured cotton khadi mazri (if required).
- d) Visiting/Consulting or Taking feedback from the users/consumers/professionals regarding the issues faced related to quality of scoured cotton khadi mazri and including the specific requirement and characteristics in the draft standard.
- e) Develop and formulate the specification standard (as per IS 12) based on the collected data, ensuring that they align with national and international quality benchmarks, meet user expectation and industry norms.

6. Requirement for the CVs

Degree in Textile/Handloom with 5 years of experience OR Diploma in Textile/Handloom with 8 years of experience.

7. Timeline and Method of Progress Review

No. of Days (Timeline)	Status of work to be done
0 to 30	Collecting the references (books/magazines/ national and international standards) and studying these references to execute the project with appropriate knowledge on the subject and identifying the industries to understand the manufacturing and collection of samples.
30 to 90	Visiting the Khadi Industries and testing labs in identified

	organizations for collecting the samples and preparing test data.
90 to 135	Examining the results of samples tested.
135 to 180	Submission of final results of the project, Consolidation of data and Submission of preliminary draft Indian standard based on project.

8. Support BIS will Provide

BIS shall provide the previous versions of IS 3772 and all the relevant national/international standards required for carrying out study.