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**BUREAU OF INDIAN STANDARDS**

**AGENDA**

**Technical Textiles for Buildtech Applications Sectional Committee, TXD 34 10th Meeting**

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| **Date/Day** | **Time** | **Venue** |
| 06 November 2023 | 1100 h | Through Video Conferencing |

**CHAIRMAN: Prof (Dr) Abhijit Majumdar**

(Indian Institute of Technology, Delhi)

**MEMBER SECRETARY: Shri Mayur Katiyar**

**Item 0 WELCOME AND INTRODUCTORY REMARKS BY THE CHAIRMAN**

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

* 1. The minutes of the 9th meeting of the committee held on 28 August 2023 through VC were circulated vide BIS Directorate General letter No. TXD 34/A2.09 dated 30 September 2023. No comments received on the minutes.

**1.1.1** The Committee may **NOTE.**

**Item 2 COMPOSITION AND SCOPE OF TXD 34**

**2.1** The present scope and composition of the Committee is given in **Annex 1 (P-3 to 5).**

**2.1.1** The committee may **EXAMINE.**

**Item 3 ISSUES ARISING OUT OF THE LASTMEETING**

**3.1** Summary of actions taken on the various decisions of the previous meetings are given in **Annex 2 (P-6).**

**3.1.1** The Committee may **NOTE**.

**Item 4 RESEARCH AND DEVELOPMENT PROJECT**

**4.1** The subject of Scaffolding nets was identified in the Standards National Action Plan 2022-27 for the formulation of a new standard. It is proposed that this subject may be taken up as an R&D project. The proposed ToR is given in **Annex 3 (P- 7 to 8)** for your reference.

**4.1.1** The committee may **DECIDE.**

# ANNEX 1

**(Item 2.1)**

# Scope & Composition of Technical Textiles for Buildtech Applications Sectional Committee, TXD 34

**Scope:** To formulate Indian Standards for terminology, testing and specification for technical textiles for build-tech applications such as building infrastructure, landscaping, decoration, hoardings etc.

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| **SLNO.** | **ORGANIZATION REPRESENTED** | **NAME OF THE REPRESENTATIVE REPRESENTED PRINCIPAL/(ALTERNATE)** |
|  | **Chairman** | **Prof (Dr) Abhijit Majumdar**  Indian Institute of Technology  Delhi |
|  | All India Flat Tape Manufacturers’ Assn. | Shri K S Arora  (Shri V Venugopal) |
|  | Association of Synthetic Fibre Industries, New Delhi | Shri S C Kapoor  (Shri M S Verma) |
|  | Bekaert Industries Private Ltd, Pune | Shri Ganesh Chaudhari  (Shri Navneet Narayan) |
|  | Building Materials and Technology Promotion Council, New Delhi | Dr Shailesh Kr Agrawal  (Shri J K Prasad) |
|  | Business Coordination House,  New Delhi | Shri Samir Gupta  (Smt Ritika Gupta) |
|  | Cement Manufacturers Association, Noida | Dr Sujit Ghosh  (Shri K Jayasankar)  (Shri Shubho Chakravarty) |
|  | Central Building Research Institute, Roorkee | Shri S K Singh |
|  | Central Public Works Department, Delhi | Nomination awaited |
|  | CSIR-Structural Engineering Research Centre, Chennai | Smt. Smitha Gopinath  (Shri V Ramesh Kumar) |
|  | Delkon Textiles Private Ltd, Faridabad | Shri Vikas Singhal  (Shri G S Singhal) |
|  | E I DuPont India Pvt Limited, Gurugram | Shri Manish Bansal  (Shri Atanu Achrya) |
|  | Entremonde Polycoaters Limited, Agra | Dr. KMS Reddy |
|  | Federation of Indian Chamber of Commerce And Industry, New Delhi | Shri Chetan Bijesure  (Shri Suresh Kannan) |
|  | Garware Technical Fibres Limited, Pune | Shri Rajendra Ghadge |
|  | Indian Technical Textile Association, Mumbai | Dr Anup Rakshit |
|  | National Highway Authority of India | Nomination Awaited |
|  | NBCC, Delhi | Nomination awaited |
|  | Nina Concrete System Pvt Ltd, Mumbai | Shri Rakesh Gupta  (Shri Kaushal Parikh) |
|  | Northern India Textile Research Association, Ghaziabad | Nomination awaited |
|  | Ministry of Surface Transport, New Delhi | Nomination awaited |
|  | Ministry of Textile, New Delhi | Dr Mukesh Kumar Sinha |
|  | Office of the Textile Commissioner, Mumbai | Shri Narottam Kumar  (Shri Amar K Chaphekar) |
|  | Oriental Infrastructure Limited, New Delhi | Col A K Bhasin |
|  | Owen Cornings, Mumbai | Ms Niharika |
|  | P N Safety Industries, Mumbai | Mr. Chetan Nalavade  (Mr. Ganesh Patil) |
|  | PEC University of Technology, Chandigarh | Dr S K Singh  (Dr Sanjay Mathur) |
|  | Plastindia Foundation, Mumbai | Shri Surender Chaudhary  (Shri L K Singh) |
|  | Reliance Industries Ltd, Mumbai | Shri Rajiv Gauri  (Shri Manish Tiwari) |
|  | Shapoorji Pallanji & Co P Limited, Mumbai | Shri Manoj Kawalkar  (Hemant Gopinath Joshi) |
|  | Shri Ram Institute for Industrial Research, Delhi | Shri Vinay Kumar Samania  (Dr. Bhuvneshwar Rai) |
|  | SRF Technical Fibres Limited, Chennai | Smt Angelina Divya |
|  | The Synthetic and Art Silk Mills Research Association, Mumbai | Shri Ravi Prakash Singh  (Shri Premnath Surwase) |
|  | Textiles Committee, New Delhi | Shri J D Barman  (Shri R Chandran) |
|  | Techno Ceiling Products | Nomination Awaited |

**ANNEX 2**

**(Item 3.1)**

**SUMMARY OF ACTIONS TAKEN ON THE MINUTES OF PREVIOUS MEETINGS**

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| **Item no.** | **Brief discussion of decision** | **Action taken** |
| 2.1 | COMPOSITION: Modifications were suggested in composition of the committee | Updated composition is given in Annex 1 |
| 4.1 | The Committee decided that M/s Reliance Industries Ltd. shall provide the data for the requirements of resistance to acid and resistance to ageing as per IS 16481 : 2022 after getting it tested in any independent lab. | Inputs Awaited |
| 4.2 | The committee decided that M/s Karan Safety Pvt. Ltd. shall provide clause-wise changes proposed along with proper justification and data for the proposed changes in IS 11057: 1984 Textiles – Specification for Industrial safety nets | Inputs Awaited |
| 5.1 | The committee decided to issue the draft on Architectural Membrane under wide circulation for a period of 2 months for eliciting technical comments. | Under Wide Circulation |
| 7.1 | The committee decided to allocate the standard IS 11057 : 1984 Specification for industrial safety nets to M/s Garware Technical Fibres Limited, Pune for review.  The committee decided to allocate the standard IS 12991 :  2005 Textiles – Camping tents and caravan awnings – Vocabulary and list of equivalent terms (first revision) to member secretary for review. | Under Review  Under Review |

**ANNEX 3**

**(Item 4.1)**

**TERMS OF REFERENCE FOR THE R&D PROJECTS**

**1. Title of the Project:** Preparation of a draft Indian standard on Scaffolding Nets

**2.** **Background**

1. Technical Committee: Technical Textiles for Buildtech Applications Sectional Committee- TXD 34 under Textile Division Council.
2. TXD 34 Technical Textiles for Buildtech Applications Sectional Committee has taken up new work item proposal on Scaffolding Nets. Scaffolding nets, also referred to as safety nets or debris nets, are crucial components of construction and workplace safety. They are specialized nets made from durable materials such as nylon, polypropylene, or high-density polyethylene. These nets are designed to provide protection in various industries, especially in construction and maintenance work conducted at elevated heights.
3. The rationale for using scaffolding nets lies in enhancing safety in construction and other work environments conducted at elevated heights. These nets serve the following purposes: Fall Prevention, Debris Containment, and Worker Safety. The subject of scaffolding nets has been identified in the SNAP 2022-27 for the formulation of new Indian Standard.

**3.** **Scope**

The scope of this project is to generate data for major requirements like tensile strength, drop strength, mesh size, UV resistance, ageing etc. for Scaffolding Nets and prepare a draft standard after incorporating above mention requirements along with the requirements of packaging and sampling.

**4.** **Expected Deliverables**

1. To deliver the complete data for the requirements of tensile strength, mesh size, UV resistance, ageing, dimensions and drop strength of different types/varieties of scaffolding nets.
2. To deliver a draft standard after incorporating the above requirements along with the requirements of packaging and sampling.
3. To appropriately incorporate the test methods in the draft standard for testing the above mentioned requirements.
4. Any other important requirement for scaffolding net may also be incorporated in the draft standard if required.

**5.** **Research Methodology**:

1. To collect the available data for the requirements of scaffolding nets 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 scaffolding nets to understand the manufacturing process and collect data.
2. To collect at 1 sample of each variety of Scaffolding nets and carry out tests for the requirement(s) for which data is not available. These results are to be tabulated and examined to determine the final values which has to be incorporated in the standard.
3. Visiting of Scaffolding nets industries/testing labs to collect information, regarding packaging practices, sampling and testing methods or any other important requirement of scaffolding nets (if required).
4. Drafting of the standard after incorporating all the requirements along with information of packaging, sampling and test methods.

**6.** **Requirement for the CVs:**

The person shall have a minimum work experience of 5 years in the field of scaffolding nets and must be an employee of the organization which manufactures scaffolding nets for at least 5 years in a technical and/or managerial position.

**7.** **Timeline and Method of Progress Review:**

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| --- | --- |
| **No. of Days(Timeline)** | **Status of work to be done** |
| 0 to 45 | To collect the available data for the requirements of scaffolding nets 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 scaffolding nets to understand the manufacturing process and collect data. |
| 45 to 90 | Visiting of Scaffolding nets industries/testing labs to collect information, regarding packaging practices, sampling and testing methods, collecting samples and preparing test reports. |
| 90 to 135 | Examining the results of samples tested |
| 135 to 180 | Submission of final draft Indian standards of the project. |

**8.** **Support BIS will Provide:**

All the relevant Indian Standards required during the project will be provided by BIS.