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**BUREAU OF INDIAN STANDARDS**

**MINUTES**

**Cordage Sectional Committee, TXD 09**

**27<sup>th</sup> Meeting**

<b>Date</b>	<b>Time</b>	<b>Venue</b>
23 September 2024 (Monday)	1100 h	CISCO Webex Video Conferencing

**ATTENDEES:**

<b>1.</b>	<b>Prof. (Dr) R. Chattopadhyay (Chairperson)</b>	<b>Indian Institute of Technology (IIT), New Delhi</b>
<b>2.</b>	Shri Amit Rana	Azuka Synthetics LLP, Panchkula
<b>3.</b>	Shri Kamal Kishore	-do-
<b>4.</b>	Shri Devraj Thakur	-do-
<b>5.</b>	Shri Vishal Sharma	-do-
<b>6.</b>	Dr Shanmugasundaram O. L.	Central Coir Research Institute (CCRI), Kochi
<b>7.</b>	Shri G. H. Bhunia	Crown Industries, Kolkata
<b>8.</b>	Shri Sumy Sebastain	Central Coir Research Institute, Kochi
<b>9.</b>	Shri Anand Majaria	Delta Ropes Manufacturing Co. Ltd, Kolkata
<b>10.</b>	Shri Satish J. Chitnis	Garware Technical Fibres Ltd, Pune
<b>11.</b>	Ms. Soumita Chowdhury	Indian Jute Industries Research Association (IJIRA), Kolkata
<b>12.</b>	Shri N. K. Somani	Jayshree Fibre Products Limited, Kolkata
<b>13.</b>	Shri Vinay Chandak	Kohinoor Ropes Pvt Ltd., Aurangabad
<b>14.</b>	Shri Kartick Samanta	ICAR - National Institute Of Natural Fibre Engineering And Technology, Kolkata
<b>15.</b>	Shri Asuna Mukherjee	Office of the Jute Commissioner, Kolkata
<b>16.</b>	Shri Sanjay Charak	Office of the Textile Commissioner, Mumbai
<b>17.</b>	Shri Nayan Jyoti Goswami	Oil India Limited (OIL), Assam
<b>18.</b>	Shri Sanjeev Kumar Sharma	Protherm Engineering Private Limited, Faridabad
<b>19.</b>	Shri Hemal Thanaawala	Thanawala And Company, Mumbai

**BIS DIRECTORATE GENERAL:**

<b>20.</b>	Shri Amit Kumar Pandey	Scientist-B & Member Secretary
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## **Item 0 WELCOME & INTRODUCTORY REMARKS**

Prof. (Dr.) R Chattopadhyay, Chairperson TXD 09, welcomed all the members present in the meeting. He requested the members to actively participate in the meeting and provide inputs on the agenda items. He also appreciated the contribution of committee members in the developments of standardization under TXD 09 Sectional Committee. In addition to this, he also highlighted the role of standardizations in the development of Quality ecosystem in India.

Shri Amit Kumar Pandey, Member Secretary of TXD 09 welcomed the Chairperson and Committee members in the 27<sup>th</sup> meeting of Cordage Sectional Committee, TXD 09.

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

**1.1** In view of no comments received from the committee members on the minutes of the 26<sup>th</sup> meeting of the Committee held on 14 May 2024 through video conferencing and circulated to the members vide BIS DG letter no. TXD 09/A2.26 dated 24 May 2024, the Committee decided to CONFIRM the minutes without any changes.

## **Item 2 SCOPE AND COMPOSITION OF TXD 09**

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

- i) A revised nomination shall be provided from M/s Garware Technical Fibres Ltd., Pune as Shri Kishor Darda has been transferred to other department of the organization.
- ii) A revised nomination shall be provided from M/s Jayshree Fibre Products Limited; Kolkata as Shri Manoj Biyani is no longer an employee of the organization.
- iii) Shri Amit Rana representing from Azuka Synthetics LLP, Panchkula informed the committee that Azuka Synthetics is the brand name of the company and the company's name is NTC Tiles LLP, Panchkula and the same shall be mentioned in the committee composition. He also requested the committee to be nominated as an alternate member from NTC Tiles LLP, Panchkula. Therefore, a revised nomination shall be sought from NTC Tiles LLP, Panchkula for representation in the committee.

## **Item 3 ISSUES ARISING OUT OF PREVIOUS MEETINGS OF TXD 09**

**3.1** The Committee NOTED the summary of actions taken on the various decisions of the last meetings of TXD 09 as given in **Annex 2** to the agenda.

## **Item 4 DRAFT STANDARDS FOR FINALIZATION**

**4.1** The committee scrutinized the following draft as given in **Annex 3** to the agenda:

- i) [Doc: TXD/09/25724] ISO 18692-4 Textiles — Fibre Ropes for offshore station keeping — Part 4: Polyarylate
- ii) [Doc: TXD/09/25725] ISO 18692-5 Textiles — Fibre Ropes for offshore station keeping — Part 5: Aramid

**4.1.1** After detailed deliberations, the committee decided to finalize the above draft for publication as no comments have been received from the stakeholders. BIS may carry out the necessary editorial changes in the finalized draft if required.

## **Item 5 NEW SUBJECT FOR STANDARDIZATION**

**5.1** The committee scrutinized the request received from Dr Shanmugasundaram O. L, Director, Central Coir Research Institute, Kochi, as given in **Annex 4** to the agenda, for transfer of the subject “Coir Fender” to Coir and Coir Products Sectional Committee TXD 25 under Textile Divisional Council as this committee is particularly made for dealing with coir products and have relevant experts related to coir for formulation of Indian Standard on this subject.

**5.1.1** After detailed deliberations among the committee members and the information received from the committee members that the coir fenders are also made up of sisal and manila ropes, therefore, the committee unanimously decided that the subject “Coir Fenders” will remain under TXD 09 Sectional Committee for formulation of Indian Standard.

**5.2** The committee scrutinized the working draft of “Coir Line” prepared by BIS in consultation with relevant stakeholders as given in **Annex 5** to the agenda.

**5.2.1** Based on the request received from the committee members for providing additional time to give their inputs on the draft, the committee unanimously decided to circulate the draft as preliminary draft to all the committee members for a period of 15 days to receive their inputs. And the comments received from the committee members shall be placed in the next committee meeting for further discussions.

## **Item 6 COMMENTS ON PUBLISHED INDIAN STANDARDS**

**6.1** The Committee scrutinized the comment received from Shri Anand Majaria representing from M/s Delta Ropes Manufacturing Co., Kolkata on IS 1084:2005 ‘Textiles – Manila ropes – Specification (*fifth revision*)’ as given in **Annex 6** to the agenda.

**6.1.1** Shri Anand Majaria representing from M/s Delta Ropes Manufacturing Co., Kolkata elaborates his comments on IS 1084 :2005 before the committee and informed the committee that Hawser laid manila ropes are the best quality ropes and are also the mostly used manila rope in the market. The other varieties of manila ropes i.e., Shroud – laid and Cable-laid manila ropes, are not being used in the market. However, these varieties are creating confusion among the buyers while making their orders as they misinterpret that higher strand ropes have higher breaking strength.

**6.1.2** Shri N. K. Somani representing M/s Jayshree Fibre Products Limited, Kolkata brought into the notice of the committee that Hawser laid ropes have the highest strength among all the other varieties of ropes. However, four strand ropes i.e. shroud laid ropes are the most suitable ropes to be used for driving purpose as they pose nearly circular cross-section which leads to higher contact surface with the pulley when compared to other variety ropes. However, due to the introduction of V-belt and other innovative driving systems, the use of fibre ropes for driving purpose have been minimized.

**6.1.3** Shri Amit Kumar Pandey, Member Secretary, TXD 09 informed the committee that the international standard for manila ropes i.e. “ISO 1181 : 2004 Fibre ropes — Manila and sisal — 3-, 4- and 8-strand ropes” also covers the varieties of shroud-laid and cable-laid manila ropes. In addition to this, he also informed the committee that the QCO has already been proposed on IS 1084 : 2005.

**6.1.4** After detailed discussion among the committee members, the committee unanimously decided that the deletion of varieties from the standard needs a detailed consultation from all the stakeholders and their inputs on the above issues shall also be sought from the stakeholders of manila ropes. Thereafter, the same shall be placed in the next committee meetings for detailed discussions.

## **Item 7 COMMENCEMENT OF ISO BALLOTS RECEIVED UNDER TXD 09 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 Fibre ropes and cordages:

- i) ISO 9554 : 2019 (Ed 4) Fibre Ropes – General Specifications
- ii) ISO 2307:2019 (Ed 5) Fibre Ropes – Determination of certain physical and mechanical properties

**7.1.1** The comments raised by Shri Anand Majaria related to the requirement of minimum no. of strands in the ropes and the requirement of lubricant in the manila ropes were well discussed among the committee members, however, the committee didn't agree with the raised comments.

**7.1.2** Based on the request received from the committee members for providing additional time to give their inputs on the ISO ballots, the committee unanimously decided that the committee members shall provide their input on the ISO ballots through IRD portal within 15 days from the receipt of minutes, so that, the same can be forwarded to ISO.

## **Item 8 REVIEW OF PUBLISHED STANDARDS**

**8.1** The committee scrutinized the list of pre-2000 standards as given in the agenda for reviewing and decided to make the changes in the allocation of experts for revision as mentioned in the table below.

<b>Sl No.</b>	<b>IS No. &amp; Title</b>	<b>Allocated Experts</b>
(1)	(2)	(4)
1.	<b>IS 11058 : 1984</b> , Specification for sisal agricultural twines	a. Shri N. K. Somani, Jayshree Fibre Products Ltd, Kolkata b. Shri Anand Majaria, Delta Ropes Manufacturing Co., Kolkata c. Shri Sidharth Jhavar, Chhotanagpur rope works Pvt. Ltd, Ranchi
2.	<b>IS 1887 : 1985</b> , Specification for spun jute yarn ( <i>second revision</i> )	a. Shri Soumyadipta Datta, Office of the Jute Commissioner, Kolkata b. Smt. Soumita Chowdhury, IJIRA, Kolkata c. Shri Anand Majaria, Delta Ropes Manufacturing Co., Kolkata
3.	<b>IS 2452 : 1985</b> , Specification for hawser-laid cotton rope ( <i>second revision</i> )	a. Dr. , ICAR – NINFET, Kolkata b. Shri Nayan Jyoti Goswami, Oil India Ltd., Mumbai
4.	<b>IS 2453 : 1989</b> , Cable-laid cotton rope — Specification ( <i>second revision</i> )	c. Shri N. K. Singh, Office of the Textile Commissioner, Mumbai d. CTRL, Bomaby e. Shri N.K. Somani, M/s Jayshree Fibres Products Ltd., Kolkata
5.	<b>IS 2807 : 1981</b> , Specification for whipcords ( <i>first revision</i> )	a. Shri Vijay Chandak, Kohinoor Ropes Pvt. Ltd, Aurangabad b. Shri Sunil Bihani, Kohinoor Ropes Pvt. Ltd, Aurangabad c. Representatives from Tufropes Pvt. Ltd., Silvassa
6.	<b>IS 3256 : 1980</b> , Code for inland packaging of ropes and cordages ( <i>first revision</i> )	a. Shri Sushant Gupta, NTC Tiles LLP, Panchkula b. Shri Satish Chitnis, Garware Technical Fibres Ltd., Pune c. Shri Ajay K. Kapse, Oil and Natural Gas Corporation, Mumbai d. Shri Anand Majaria, Delta Ropes Manufacturing Co., Kolkata

7.	<b>IS 5177 : 1985</b> , Specification for jute lines and ropes (first revision)	a. Shri Soumyadipta Datta, Office of the Jute Commissioner, Kolkata b. Smt. Soumita Chowdhury, IJIRA, Kolkata c. Shri Anand Majaria, Delta Ropes Manufacturing Co., Kolkata
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8.1.2 The committee also decided to merge the standards as given in Sl. No. 3 and 4 i.e., IS 2452 and IS 2453 and to prepare the draft revision of the merged standard.

**Item 9 DATE AND PLACE OF NEXT MEETING**

The Committee DECIDED to hold the next meeting after all the actions arising out of this meeting are completed. The date and place of the meeting either physical or hybrid would be finalized in consultation with the Chairman, TXD 09, in due course.

**Item 11 ANY OTHER BUSINESS**

**11.1** In his concluding statement, the chairperson expressed his appreciation for the discussions and deliberations during the meeting. He encouraged members to review the draft or published standards time to time and to extend their support to BIS in its efforts for improving the Nation.

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