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BUREAU OF INDIAN STANDARDS

Minutes

Jute & Jute Products Sectional Committee, TXD 03

41st Meeting

Date	Time	Venue
14 August 2024 (Wednesday)	1130 h (Hybrid Mode)	Conference Room Bureau of Indian Standards Eastern Regional Office Laboratory (EROL) 1/14, CIT Scheme VII M VIP Road, Kankurgachi Kolkata – 700 054

ATTENDEES :

1)	Shri Mology C. Chakraborty	Jute Commissioner, Ministry of Textiles, Kolkata, (Chairman)
2)	Shri Rakesh Kumar Meena	Department of Food and Public Distribution, Govt. of India New Delhi (Through VC)
3)	Shri Satyajit Chakraborty	Eskaps (India) Pvt. Ltd., Kolkata
4)	Shri Shashank Singh	Food, Civil Supplies & Consumer Protection Department, Govt of Chhattisgarh (Through VC)
5)	Shri Dilip Jaiswal	-do-
6)	Shri S. Vijay Kumar	Food Corporation of India, New Delhi (Through VC)
7)	Shri Ravi Bhusan Verma	-do-
8)	Shri Puneet Goyal	Food, Civil Supplies & Consumer Protection Department, Govt. of Punjab (Through VC)
9)	Shri Mangal Das	-do-
10)	Shri Kamal Kumar Garg	-do-
11)	Shri Tanmoy Singha	Gloster Jute Limited, Kolkata
12)	Shri R K Srivastav	Hukumchand Jute Mills, Kolkata (Through VC)
13)	Shri Bijan Sarkar	-do-
14)	Dr. Jiban Mitra	ICAR-Central Research Institute for Jute and Allied Fibers (CRIJAF), Kolkata (Through VC)
15)	Dr. Surajit Sengupta	ICAR-National Institute of Natural Fibre Engineering and Technology (NINFET), Kolkata (Through VC)
16)	Shri Manik Bhowmick	-do-
17)	Shri Partha Sanyal	Indian Jute Industries' Research Association, Kolkata
18)	Smt. Soumita Choudhury	-do- (Through VC)

19)	Shri Bhudipta Saha	Indian Jute Mills Association, Kolkata
20)	Mr. Abu Riaz Zaffar	-do- (Through VC)
21)	Ms. Bharati Balaji	Indian Sugar Mills Association, New Delhi (Through VC)
22)	Shri Purnesh Gururani	Ministry of Textile, Govt. of India, New Delhi (Through VC)
23)	Shri Tarun Handa	National Agricultural Cooperative Marketing Federation of India Ltd. (NAFED), Kolkata
24)	Shri G. Saishiva Raghavan	-do-
25)	Shri Dipam Sahoo	-do- (Through VC)
26)	Shri Mahadeb Dutta	National Jute Board, Kolkata
27)	Shri I. A. Mondal	National Jute Manufacturers Corporation Ltd, Kolkata
28)	Shri Soumyadipta Datta	Office of the Jute Commissioner, Ministry of Textiles, Kolkata
29)	Shri Anindya Majumdar	The Jute Corporation of India Ltd, Kolkatta
30)	Shri Bhasker Sen	SGS India, Gurgaon
31)	Shri Avijit Das	Murlidhar Ratan Exports, Kolkata (Through VC)
32)	Ms. Apurba Kumar Ray Choudhury	(Through VC)
BIS DIRECTORAL GENERAL		
33)	Shri Dharmbeer	Scientist D (Textiles) & Member Secretary
34)	Ms. Shalini Shree	Executive Assistant

Item 0 WELCOME & INTRODUCTORY REMARKS

0.1 Shri Moloy C. Chakraborty, Chairman TXD 03 extended a hearty welcome to the members of the committee. He emphasized for active participation from the members and requested for the precise inputs so as to arrive at consensus.

0.2 Shri Dharmbeer, Scientist D and Member Secretary, TXD 03 also welcomed the Chairman and all other members/participants in the meeting.

Item 1 CONFIRMATION OF THE MINUTES OF THE PREVIOUS MEETING

The committee CONFIRMED the minutes of the 40th meeting of the TXD 03 Sectional Committee held on 12 March 2024 through Hybrid Mode, as circulated vide BIS DG letter no. TXD 03/A 2.40 dated 16 April, 2024 without any change.

Item 2 SCOPE AND COMPOSITION OF TXD 03

2.1 The committee NOTED the information.

2.2 The committee **NOTED** the information.

2.3 The committee reviewed the present composition of TXD 03 as given in **Annex 1** to the agenda and decided as under:

a) The updated nomination of the following organizations be as under:

- i) National Agricultural Cooperative Marketing Federation of India Ltd. (NAFED), Kolkata will be represented by Shri Tarun Handa as the Principal Member.
- ii) Food, Civil Supplies & Consumer Protection Department, Govt of Punjab will be represented by Shri Kamal Kumar Garg as Principal Member and Shri Mangal Das as an Alternate member.

b) Updated Nomination /Fresh nominations to be sought by the BIS secretariat from the following organizations:

- i) Food, Civil Supplies and Consumer Affairs Department, Govt. of Haryana
- ii) Food, Civil Supplies & Consumer Protection Department, Govt. of MP

Item 3 ISSUES ARISING OUT OF PREVIOUS MEETING OF TXD 03

3.1 The committee **NOTED** the summary of actions taken on the various decisions of the 40th meeting as given in **Annex 2** of the agenda.

Item 4 DRAFT STANDARD FOR FINALIZATION

4.1 TXD 03 (25324), Textiles — Jute Bags for Packing 50 Kg Sugar — Specification (Second Revision of IS 15138)

The committee considered the draft standard as issued under wide circulation as given in **Annex 3** to the agenda.

The committee also considered the comments received from Hasting Jute Mills and Eskaps (India) Private Limited as given in **Annex 4** to the agenda; and Indian Sugar Mill Association as given in **Annex 5** to the agenda respectively.

After deliberation, the committee decided that the following changes shall be included in the existing draft:

- i) The method of test for Ends/dm and Picks/dm under Table 1 (Sl No. ii & iii) shall be Cl 8.4.1, instead of Cl 8.4.2 of IS 9113: 2012.
- ii) The requirement of oil content on a dry de-oiled material basis is to be included under Table 1 (Requirements of Bags) instead of Table 2 (Requirements of Packed Bales).
- iii) The sub-heading in column (4), (5) and (6) in Table 3 is to be updated as No. of Bags from Each Bale, Total Number of Bags in Sample, Acceptance Number respectively.

The committee further decided to **FINALIZE** the above draft standard for publication as Indian Standard. BIS may carry out the editorial changes in the above drafts if required.

The committee requested IJMA

- To clarify on printing challenge in jute bags, inserting and tying loose inner liner in sugar bag within 07 days to ISMA.
- To provide technical data/inputs to include additional variety on Laminated Jute Bags along with test reports from 2 NABL approved labs within 30 days.

Based on the feedback/inputs, the matter shall be taken up in next meeting of TXD 03 for necessary action.

Item 5 NEW SUBJECT FOR FORMULATION OF INDIAN STANDARD

5.1 Jute Bags for Filling of 5 kg, 10 kg and 15 kg Food grains

The committee considered the test report and working draft received from IJMA as given in **Annex 6** and **Annex 7** of the agenda.

After deliberation, the committee decided the following: -

- i) Clause 4.2, 4.3, the test method for determination of count of polyester yarn is to be updated.
- ii) Table 1, Sl no. (iv), (c), the method for measurement of gusset width with diagram is to be included.
- iii) Table 1, Sl no. (iv), (d), the tolerance of handle dimension is to be specified.
- iv) Table 1, Sl no. (ix), Average Load Strength of Bag, the point of height measurement (top of handle) and type of material to be used (wheat or rice) for testing is to be updated.
- v) To include requirement and test method for handle attachment/strength test.
- vi) To include the requirement and test method for static/dynamic cyclic loading test.
- vii) Shri Bhaskar Sen, SGS India will share the inputs on test method and requirement for handle and provide inputs on Handle Strength/attachment test and static/dynamic cyclic loading test.

The committee requested Shri Partha Sanyal, IJIRA to prepare the revised draft and share the same to BIS within 15 days.

Item 6 COMMENTS ON PUBLISHED STANDARDS

6.1 The committee considered the comments received from IJMA and Eskaps (India) Private Limited as given in **Annex 8** of the agenda and NAFED Kolkata as given in **Annex 9** of the agenda on the following published standards: -

- i) IS 18161: 2023, Textiles — Light Weight Jute Sacking Bags for Packing 50 kg Mustard Seed, Niger Seed and Ragi — Specification
- ii) IS 18162 : 2023, Textiles — Light Weight Jute Sacking Bags for Packing 50 kg Pulses and Soyabean — Specification

- iii) IS 18163 : 2023, Textiles — Light Weight Jute Sacking Bags for Packing 35 kg Groundnut with Shell — Specification

After deliberation, the committee requested

- NAFED, IJMA and IJIRA to do the field trial at prominent locations (like Uttar Pradesh, Rajasthan, Gujrat, Karnataka, Andhra Pradesh etc) for testing the required dimension of jute bags for packing 35 kg groundnut with shell and share their recommendation for amendments required (if any) in the IS 18163 within 07 days for further action.
- IJMA, IJIRA and Eskaps (India) Pvt. Ltd to suggest the revised GSM of the fabric for above standards within 07 days.

Based on the field trials/inputs, BIS may take necessary action for amendment required in above standards on priority.

6.2 IS 16186: 2014, Textiles — Light Weight Jute Sacking Bags for Packing 50 kg Foodgrains — Specification

The committee considered the letter received from office of Jute Commissioner on concerns raised by several state procurement agencies (SPAs) about the quality of jute bags as per IS 16186 supplied by jute mills for the public distribution system as given in **Annex 10** of the agenda.

With a view to make necessary amendments for minimizing the chances of occurrence of defective bags, committee further decided to constitute a panel to deliberate on the issues raised by various State Procurement Agency (SPAs) during 32nd meeting of Standing Advisory Committee (SAC) under JPM Act 1987. The composition of the panel is provided as follows: -

- i) Shri Soumyadipta Datta, Office of the Jute Commissioner, Kolkata (**Convenor**)
- ii) Shri Bhudipta Saha, Indian Jute Mills Association, Kolkata
- iii) Shri Partha Sanyal, Indian Jute Industries' Research Association, Kolkata
- iv) Shri Satyajit Chakraborty, Eskaps (India) Pvt. Ltd., Kolkata
- v) Shri I. A. Mondal, National Jute Manufacturers Corporation Ltd, Kolkata
- vi) Shri Puneet Goyal / Representative, Food, Civil Supplies & Consumer Protection Department, Govt of Punjab
- vii) Representative of State Procurement Agency (SPAs), Govt of Telengana,
- viii) Representative of State Procurement Agency (SPAs), Govt. of West Bengal
- ix) Shri S. Vijay Kumar/Representative, Food Corporation of India, New Delhi
- x) Shri Bhasker Sen, SGS
- xi) Representatives from COTECNA
- xii) Member Secretary, TXD 03
- xiii) The convenor/panel may co-opt other users/stakeholders (if required)

The committee also requested the following stakeholder to share the following inputs/information within 15 days for assisting the panel as detailed above:

- i) IJMA shall share the previous statistical study report/data (if any), which have been considered by this committee / BIS in the past, while revising the sampling plan and

criteria for conformity of IS 16186 : 2014, and the same may be provided to the panel for further consideration.

The panel has been given the following task and share its recommendation within 30 days: -

- i) Suitable sampling plan and criteria for acceptance along with changes required (if any) in IS 16186: 2014.
- ii) Guidelines/standard operating procedures (SOPs) required for inspection of loose jute bags found in un-baled conditions at the consignee end for inclusion in IS 16186.
- iii) Any other change required in IS 16186: 2014.

6.3 IS 3344: 2023, Textiles — D.W. Tarpaulin Jute Bags for Packing (Mint) Coins — Specification (First Revision)

The committee considered the comments received from Eskaps (India) Private Limited and IJIRA as given in Annex 11 of the agenda along with KKBO-1 comments (40th meeting) of manak manthan on IS 3344.

After deliberation, the committee decided the following: -

- i) Clause 3.2, Plastic hoops are also to be incorporated.
- ii) Clause 4.2, safety stitch is to be included.
- iii) No. of bags in bale and bundle are to be included.
- iv) IJMA was requested to check whether any jute mill is still manufacturing the above product and review the requirement given in the existing standard including breaking load of tarpaulin.
- v) IJIRA shall share their inputs regarding the weight carrying capacity, tolerance for weight per square meter of the tarpaulin, weaving defects etc.
- vi) Jute Commissioner Office/BIS shall share the standard to the user for their feedback and suggestion for changes required in the standard (if any).
- vii) No change was recommended at this stage.

Based on the inputs, the matter shall be discussed in the next meeting of TXD 03.

6.4 IS 2873 : 1991, Textiles – Packaging of jute products in bales – Specification (second revision)

The committee considered the comments received from IJMA along with test report and draft standard as given in **Annex 12** of the agenda. The committee also considered the interim report received from IJIRA as given in **Annex 13** of the agenda.

After deliberation, the committee decided that IJIRA shall share the following information for midterm review of the project (TXD 0172) for compliance as per the Term of Reference (ToR) and R & D guidelines of BIS within 15 days: -

- i) Challenge and difficulties faced (if any) to complete the project as per term of reference (ToR) and share the alternative/proposal for completion of project.
- ii) A mid-term project report as per TOR and R & D guideline,
- iii) Brief presentation summarizing the project's progress vis-à-vis the time line,
- iv) Provide the Statement of expenditure and fund utilization report as per R & D guidelines

Based on the above information, BIS shall take further action for review of the R& D Project TXD 0172 -To study the packaging practices of jute and jute products for internal and exports trades for Revision of IS 2873:1991.

Item 7 REVIEW OF PUBLISHED STANDARDS/PRE-2000 STANDARDS

7.1 IS 271: 2020 Textiles - Grading of White, Tossa and Daisee Uncut Indian Jute (Fifth Revision)

The committee considered the minutes of panel meeting for review of IS 271 as given at **Annex 14** of the agenda.

After deliberation, the committee decided the following: -

- i) IJMA may carry out sufficient tests (same lot and region) through NINFET (ICAR) or IJIRA to justify that there is wide variance in the quality of jute classified under TD4 or other grade in IS 271:2020, and submit a report and testing results in 30 days for further consideration.
- ii) NINFET was requested to inform the status of integrated jute grading instrument/mobile type instrument regarding commercial availability of the instrument and was requested to demonstrate the operation of the instrument as per IS 271 : 2020 through workshop with relevant stakeholders.
- iii) After receiving the study report of IJMA, Office of Jute Commissioner shall do necessary consultation with all relevant stakeholders like Jute Farmers Association, Jute Baler Association, IJMA, NINFET, IJIRA, JCI, CACP, Ministry of Agriculture, Ministry of Textiles, **National Jute Board and BIS** etc. for revising the grading system of raw jute, if necessary.

Since IS 271 :2020 is due for 5 yearly review so the committee decided to reaffirm the standard for a further period of 5 years. Based on technical data, the standard may be taken up for revision/amendment subsequently.

7.2 The committee considered the list of the standard and minutes of panel meeting for review of pre-2000 standards as given at **Annex 15** to the agenda.

Sl No.	IS No	Title
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1	IS 3790: 1991	Textiles – Hessian bags – Specification (second revision)
2	IS 4744: 1991	Textiles – Packaging of jute products in rolls – Specification (first revision)
3	IS 4900 (Part 1 to 3): 1984	Specification for jute carpet backing fabric (first revision)

After deliberation, the committee decided that based on the panel recommendation, review and comments from committee members, BIS shall prepare the draft revision of these above mentioned standards and the same shall be issued in wide circulation for 30 days for eliciting comments from stakeholders. BIS may carry out the editorial changes as required.

Item 8 DATE AND PLACE OF NEXT MEETING

8.1 The Committee DECIDED to hold the next meeting after completing all the actions arising out of this meeting in consultation with Chairman TXD 03 on priority.

Item 9 ANY OTHER BUSINESS

9.1 It was informed that Physical Methods of Test Sectional Committee TXD 01 has suggested to take opinion of TXD 03 committee before consideration of the development of test method of ball bursting strength test for jute bags. Shri Bhudipta Saha, IJMA and Shri Partha Sanyal, IJIRA requested TXD 03 committee to include the requirement of ball bursting strength test as an alternative to seam strength test.

The committee requested IJMA and IJIRA share the proposed test method of ball bursting strength test with BIS so that it may be circulated to the TXD 03 committee members for their inputs and comments. Based on the inputs and comments, the matter may be considered in the next meeting of TXD 03.

9.2 There being no other business, the meeting ended with vote of thanks to the Chair.