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## BUREAU OF INDIAN STANDARDS

### M I N U T E S

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| Name of the Committee | **No. of Meeting** | **Date and Time** | **Day** | **Mode : Virtual** |
| **Freight Containers Sectional Committee, TED 33** | **Sixth (6th)** | **27th September 2024**from **10:30 AM** onwards | **Friday** | Webex |

##### **CHAIRMAN:** Dr N.C. SAHA **MEMBER SECRETARY:** Shri GAURAV JAYASWAL

**MEMBERS PRESENT:**

|  |  |  |
| --- | --- | --- |
| **Sl. No.** | **Organization Name** | **Representative Name** |
|  | In Individual Capacity | Dr N.C.Saha, |
|  | M/s Anchor Container Services Private Limited, New Delhi | Shri Gaurav Chandra |
|  | M/s Association of Multi Modal Transport Operators of India, Mumbai | Shri Haresh Lalwani |
|  | M/s Bay Container Terminal Private Limited, Mumbai | Shri Dauji Singh |
|  | M/s Bureau Veritas India Private Limited, Mumbai | Shri Nanasaheb K.Shirke |
|  | M/s Bureau Veritas India Private Limited, Mumbai | Shri Ranjit D. Naik |
|  | M/s DCM Containers and Engineering Private Limited, Faridabad | Shri Ashok Kumar Singh |
|  | M/s JSW Steel Limited | Shri Alok Seth |
|  | M/s Kalyani Cast Tech Limited, New Delhi | Shri Naresh Kumar |
|  | M/s Loadstar Equipment Limited, Bengaluru | Shri Sumukh Bharadwaj |
|  | M/s Mecto Engineers, Ludhiana | Shri Daras Mohan Singh |
|  | M/s Mecto Engineers, Ludhiana | Shri Jagmohan |
|  | M/s Shipping Corporation of India Limited, Mumbai | Shri Sushil Oraon |
|  | M/s Steel Authority Of India Limited (SAIL), Research & Development Centre for Iron & Steel, Ranchi | Dr. Anjana Deva |

# WELCOME ADDRESS

## **Welcome Remarks by Member Secretary**

Member secretary greeted all the members present in the meeting and thanked them for their active participation in the committee. He emphasized the need for more frequent meetings to ensure timely formulation and revision of standards. He also highlighted the importance of raising awareness among students about BIS Standards to enrich their knowledge base for the industry. He also highlighted the importance of creation of standardization cells in industry association and their proper functioning.

## **Opening Remarks by the Chairman**

Dr. N.C. SAHA, Chairman, SC TED 33 extended a warm welcome to all the attendees at the 6th Meeting of SC TED 33. He expressed gratitude to all participants for their involvement in the meeting and urged them to ensure timely completion of assigned tasks so that the tasks of TED 33 are finished in accordance with periodically devised plans.. He requested all the members to take active part in the deliberations on various issues going to be discussed as per the agenda.

# CONFIRMATION OF THE MINUTES OF LAST MEETING

The Minutes of the 5th Meeting of Freight Containers Sectional Committee, TED 33 held in virtual mode through Webex Video Conferencing Platform, were circulated through BIS Portal. No comments with regards to decision of committee had been received.

Hence The committee approved the minutes of the last meeting formally.

# SCOPE & COMPOSITION OF THE SECTIONAL COMMITTEE

## The committee noted the information given in the agenda.

## The committee noted the composition of SC TED 33.

## **New Co-options**

### The committee discussed the status of follow up requests with new organizations to be co-opted in SC TED 33 and decided as follows:

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| **Sl. No.** | **NAME OF THE ORGANIZATION** | **FOLLOW UP STATUS & DECISION** |
|  | Lloyd’s Register of Shipping | Email for co-option was sent to shri Shobhit Kapoor, M&O Operation Manager LR dt. 22/09/2023 along with two reminders after receipt of contact details of LR from IRS.Email : Ist Reminder dt.31/10/2023 , IIndreminder dt.22/01/2024 & IIIrd reminder dt.28/08/202Response was still awaited.Shri Ashok Kumar from M/s DCM Containers along with Shri Naresh Kumar from M/s Kalyani Cast informed that the organization involved in certification from LR side is LRQA and not LRS.In view of the above, The committee decided to co-opt M/s LRQA in the committee and requested Shri Ashok Kumar from DCM Containers to share the contact details for M/s LRQA for their co-option in SC TED 33. |
|  | Braithwaite & Co. Ltd. | Email for co-option was sent to Shri Dilip Saha, General Manager, Braithwaite & Co. Ltd dt. 22/09/2023 along with two reminders after receipt of contact details of Braithwaite & Co. from IRS.Ist Reminder dt.07/02/2024 IInd reminder dt.28/08/2024Response was still awaited.The committee noted that the BIS Secretariat has reached out multiple times to Shri Dilip Saha but has not received a response. The committee requested its members to provide information on other nodal contacts at M/s Braithwaite to facilitate their involvement in the committee.Shri Ashok Kumar from DCM Containers agreed to share contact details for personnel from M/s Braithwaite & Co. Ltd. |
|  | Rail tech India Pvt Ltd. | Email for co-option was sent to Shri Kunal Jain fromM/s Railtech Technologies Pvt. Ltd. dt. 07/02/2024. Response was still awaited.The committee noted. The committee also requested M/s Concor to provide contact details of M/s Rail tech to BIS.Response still awaited.The committee reviewed the follow-up status and requested Shri Naresh Kumar from M/s Kalyani Cast to provide the BIS Secretariat with the correct contact details and email address of the nodal person at M/s Railtech for their inclusion. |
|  | Tata Steel | Email for co-option was sent to Shri Avtar Singh Saini, Chief, Quality Assurance, TATA Steel Limiteddt. 07/02/2024 after receipt of contact details with Metallurgical Department , BIS.TATA Steel responded positively and stated that they are interested to be a part of the committee. The nominations were however awaited.The committee noted the information. |

### The committee also noted the follow up status with other organizations which were identified for co-option in committee in previous (5th) meeting. The decision of the committee is mentioned below:

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| **Sl. No.** | **Name of Organization** | **Status & Decision** |
| 1. | DP World India (Container Terminal Division) | Email dt. 29/08/2024 was written to Shri Ashok Kumar, DCM Containers to provide contact details of M/s DP World India (Container Terminal Division).Contact details of M/s DP World were provided by Shri Ashok Kumar through email dt.30/08/2024.Email/Letter dt.05/09/2024 & reminder dt.10/09/2024 was sent to the representative of M/s DP World India whose contact details were given by Shri Ashok Kumar.Response is awaited. The committee noted the follow up status and requested Member Secretary to further follow up with M/s DP World India for their co-option in SC TED 33. |
| 2. | Container Shipping Line Association (CSLA) | Email dt.29/08/2024 was sent Mr. Ashok Singh(DCM container) to provide contact details. Reply was received through email dt. 30/09/2024 from Mr. Ashok Singh stating that Contact details of CSLA is not available with him.The committee reviewed the progress of follow up and requested Shri Haresh Lalwani to Provide the Contact details of personnel from M/s CSLA.The committee also requested Member Secretary to Write to Representatives of M/s CSLA once contact details are received from Mr. Haresh Lalwani. |
| 3. | Association of Container Train Operators (ACTO) | Email/Letter dt.29/08/2024, reminder dt.02/09/2024 & reminder 11/09/2024 was sent to Kalyani cast to provide Contact details from ACTO.The committee noted that progress and requested Shri Naresh Kumar to provide contact details of Nodal Person from M/s ACTO to BIS Secretariate at the earliest so that a co-option letter may be sent to M/s ACTO. |
| 4. | INOXCVA | Email/Letter dt.10/092024 was sent to M/s INOXCVA . (Contact details were received through SC TED 26)Response is awaited. The committee may please note.The committee noted the progress and requested member secretary to further follow up with M/s INOXCVA for co-option in SC TED 33. |
| 5. | SCA Heavy Equipment Pvt Ltd | Email dt. 02/09/2024 was written to Shri Ashish Bhargav, CONCOR to provide contact details of M/s SCA.Contact details of M/s SCA was received from M/s CONCOR through email dt. 02/09/2024.Email/Letter dt.05/09/2024 & reminder dt.10/09/2024 was sent to representatives of M/s SCA .Response is awaited.The committee noted the progress and requested member secretary to further follow up with M/s SCA Heavy Equipment Pvt Ltd. for co-option in SC TED 33.  |
| 6. | Loadstar | Email dt. 02/09/2024 was written to Shri Ashish Bhargav, CONCOR to provide contact details of M/s Loadstar.Contact details of M/s Loadstar was received from M/s CONCOR through email dt.02/09/2024.Email/Letter dt.05/09/2024 was sent to representatives of M/s Loadstar seeking details of representatives to participate in activities of SC TED 33.The details of representatives were received through email dt. 13/09/2024. The same have been updated on BIS Portal.The committee may please note. |
| 7. | TIL | Email dt. 02/09/2024 was written to Shri Ashish Bhargav, CONCOR to provide contact details of M/s TIL.Contact details of M/s TIL was received from M/s CONCOR through email dt. 02/09/2024.Email/Letter dt.05/09/2024 & reminder dt.10/09/2024 was sent to representatives of M/s TIL .Response is awaited. The committee may please note.The committee may please note. |
| 8. | DG Shipping | The committee requested BIS Secretariat to send the Co-Option letter shortly to DG Shipping. |
| 9. | TUV India Pvt Ltd | The committee requested BIS Secretariat to send the Co-Option letter shortly to TUV India Pvt Ltd. |

### The committee discussed the co-option requests received and decided as follows :

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| **Sr.** **No.** | **Name** | **Organization** | **Decision of the committee** |
| 1 | Dr G. Venkatesan | Individual Capacity | The committee rejected the co-option request. |
| 2 | Shri Darius Aga | Individual Capacity | The committee rejected the co-option request. |

### The committee also discussed that Twist lock manufacturers are not represented in the committee and hence decided to co-opt M/s Sanrok Enterprises in the committee and also in panel 2. The committee further requested Mr. Naresh Kumar from M/s Kalyani Cast to provide the contact details of representative from M/s Sanrok to BIS Secretariat so that a suitable letter for co-option may be written to the organization.

## In the last committee meeting following panels were constituted to work for formulation/ revision of standards of SC TED 33. The discussion below outlines the progress made on the tasks assigned to these panels:

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| **Panel** | **Composition** | **Assignment** | **Discussions in previous Meeting** | **Status in 6th Meeting** | **Discussions in 6th Meeting** |
| **Panel 1 : Packing, Stowing and Securing of Cargo Inside Freight Containers and Handling of Cargo** | 1. **AMTOI** (Mr. Haresh Lalwani – **Panel Convener**)
2. **FFFAI (**Federation of Freight Forwarders' Associations in India)
3. **ICC** (Indian Chemical Council)
4. **CFSAI** (Container Freight Station Association of India)
5. **CAI** (Consolidators Association of India)
6. **CONCOR**
7. **M/s Multitech**
8. **M/s Godrej** (Forklift Division)
9. Other Members as Proposed by panel convener and approved by SC TED 33.
 | 1. Finalization the composition of Panel
2. Revision of following Indian standards:
3. IS 11466 (Part 1) : 1985
4. IS 11466 (Part 2) : 1985
5. IS 13112 : 1991
6. Identification of New Subject for formulation of Indian Standards in the domain of Packing, Stowing and Securing of Cargo Inside Freight Containers
 | Panel Convener Mr. Lalwani informed that he has talked with federation of freight forwarders association (FFFA), Indian National Shipowners' Association and Indian Chemical Council (ICC) and these organizations have responded positively to participate in the panel meeting.Mr. Lalwani also stated that Representatives from Cargo Packing Industry and Cargo Securing Products Industry are being followed up for participation.The committee requested Mr. Lalwani to expedite the follow up with other members and conduct the panel meeting at the earliest.**Status in the 5th Meeting:**Reminder on progress have been sent to the panel convener. Response is awaited from Mr. Lalwani on progress of the panel.**Decision in the 5th Meeting:**The committee requested the panel convener to conduct the first meeting of the panel at the earliest and Finalize the composition of the group and report the same to BIS Secretariat | Email dt.02/09/20 24 & reminder dt.11/09/20 24 was sent to Mr.Haresh Lalwani for conducting first panel meeting.Response is awaited.The committee may deliberate and decide. | The committee discussed the status and decided the composition of the panel as :**1.AMTOI** (Mr. Haresh Lalwani – Panel Convener)**2.FFFAI (**Federation of Freight Forwarders' Associations in India)3. **ICC** (Indian Chemical Council)4. **CFSAI** (Container Freight Station Association of India)5. **CAI** (Consolidators Association of India)6.**CONCOR**7.**Multitech**8.**Godrej** (Forklift Division)The committee requested Mr. Harish Lalwani toprovide the contact details of M/s FFFAI, ICC, CFSI, & CAI to BIS Secretariat.The committee also requestedMr. Nanasaheb K. SHIRKE (*Bureau Veritas*) to provide the contact details of M/s Multitech to BIS Secretariat.The committee requested Member Secretary to send invitation letters to aforementioned organizations for co-option in panel once contact details are received.Member Secretary was also requested to seek contact details of M/s Godrej for SC TED 22 and write them invitation letter for co-option in the panel.The committee also requested Mr. Lalwani to conduct the first meeting of the panel at the earliest. |
| **Panel 2 :** **Handling of Containers** | 1. Mr. Ashish Bhargav, CONCOR {**Panel Convener**}
2. Mecto Engineers
3. Loadstar
4. SCA
5. TIL
6. Sanrock Enterprizes
7. Other Members as Proposed by panel convener and approved by SC TED 33.
 | 1. Finalization the composition of Panel
2. Revision of following Indian standards:
3. [IS 9881 : 2007](https://www.services.bis.gov.in/php/BIS_2.0/MembershipManagement/CRef.php?ID=MTczMTI%3D)
4. IS 10880 : 2007
5. Identification of New Subject for formulation of Indian Standards in the domain of Design of Freight Containers and their accessories
 | Mr. Ashish Bhargav (Panel Convenor) informed that he is following up with container spreaders and twist lock manufacturers and will conduct the panel 2 meeting at the earliest.**Status in the 5th Meeting:**Mr. Ashish Bhargav (Panel Convener) conducted the first panel meeting on 8th February 2024.The minutes of the meeting is however awaited from the panel convener.**Decision in the 5th Meeting:**The committee noted. The committee also requested Panel Convener to submit the minutes of first panel meeting to BIS at the earliest. | Email dt.02/09/20 24 & reminder dt.17/09/20 24 was sent to Mr.Ashish Bhargav to submit the minutes of first panel meeting.The minutes are still awaited.The committee may deliberate and decide. | The committee discussed the matter of non-submission of the minutes of the first panel 2 meeting by the panel convener despite multiple reminders. The committee directed the Member Secretary to write to panel convener to either provide the minutes of the last panel meeting or conduct a fresh panel meeting.The committee also requested Shri Naresh Kumar from M/s Kalyani Cast Tech Limited to provide the contact details of M/s SANROK to BIS Secretariat. |
| **Panel 3 : Refurbishing of Freight Containers** | 1. Mr. Dauji, Bay Container Terminal Pvt. Ltd. (**Panel Convener**)
2. Mr. Sujoiy Sammadar, Anchor Container Services Pvt. Ltd.
3. Mr. Karthik S, Indian Register of Shipping (IRS)
4. Lloyd’s Register Of Shipping
5. Bureau Veritas
6. Other Members as Proposed by panel convener and approved by SC TED 33.
 | 1. Finalization the composition of Panel
2. Revision of following Indian standards:
3. IS 15734 : 2007
4. IS 15739 : 2007
5. Identification of New Subject for formulation of Indian Standards in the domain of Refurbishing of Freight Containers
 | Mr. Dauji (Panel Convenor) stated that he studied both the Indian Standards for refurbishing of freight containers and is compared them with IICL Manuals. He also explained his comments on IS 15734 to the committee.Mr. Dauji assured the committee to conduct the panel meeting before the next SC Meeting.**Status in the 5th Meeting:**Mr. Dauji (Panel Convenor) conducted the first panel meeting on 8th February 2024.The minutes of the panel meeting is attached as ANNEX - 2 of the agenda.**Decision in the 5th Meeting:**The committee discussed the recommendations given by panel and requested Shri Dauji, the panel convener of panel 3, to submit the draft for revision of IS 15734 after incorporation of the recommendations of the panel. Member secretary was also requested to send the draft for Wide Circulation for 60 days.The committee also decided not to revise IS 15739 as of now in line with the recommendations of the panel. | Panel Convener submitted the draft on IS 15734via email dt.11/09/20 24 and the same is attached at [**Annex- 4**](file:///C%3A%5CUsers%5CInno%5CDownloads%5CTED%2033%20AGENDA.docx#_bookmark6)**.**The draft will be sent for wide circulation shortly.The committee may please note. | The committee noted the information. |
| **Panel 4 : Design of Freight Containers and their Components** | 1. Mr. Naresh Kumar, Kalyani Cast (**Panel Convener**)
2. DCM
3. APPL
4. CONCOR
5. IRS
6. BV
7. Any other member suggested by Panel Convener and approved by Committee
 | 1. To prepare a draft Standard on “*Specification of Dry Steel Freight Containers*” intended for certification of Dry Freight Containers, consolidating/referencing all other relevant Indian standards which exists for Freight Containers.

{The committee discussed the importance of drafting this draft standard with the understanding that it will intended for certification of Dry Freight Containers.The panel was requested to thoroughly review all pertinent Indian standards, along with the IRS Guidelines for Container Certification released in April 2021 and September 2021, as well as any other relevant documents, regulations, or guidelines as deemed necessary. Additionally, the panel was also requested to clearly outline the material specifications for freight containers.}Identification of New Subject for formulation of Indian Standards in the domain of Design of Freight Containers and their accessories. | - | Email Dt. 02/09/2024& reminder dt.11/09/2024was sent to fix up the date for the first meeting of Panel 4 . | The committee requested the panel convener to conduct the panel meeting within 60 days and come up with a consolidated draft document as discussed in the previous meetings.Panel convener Shri Naresh Kumar assured the committee to conduct the panel meeting at the earliest and provide the draft document. |
| **Panel 5 :** **Raw Materials for Freight Containers** | 1. Dr. Anjana Deva, SAIL **(Panel Convener)**
2. JSW
3. TATA STEEL
4. DCM
5. APPL

CONCOR | Comparative Study of Amendment 1 to IS 11587 and IRSM 41, SPA-H (JIS – G3125), ASTM A-588, Corten A SAILCOR. | - | Panel 5 meeting was conducted by the panel convener (SAIL)dt.13/09/20 24.However minutes of the panel meeting is still awaited.The committeemay deliberate and decide. | The committee appreciated the prompt action taken by Panel 5 in conducting the panel meeting and coming out with its recommendations.Dr Anjana Deva, SAIL presented the discussions held in the panel meeting and panel recommendation in form of panel meeting minutes to the committee members.The committee accepted the recommendations in form of Minutes of the panel meeting. (Attached as **Annexure-1**) |

# ISSUES ARISING OUT OF THE MINUTES OF THE LAST MEETING

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sr.No.** | **IS Number / Doc Number** | **Title** | **Status/Decisions in Previous Meeting(s)** | **Status in 6th Meeting** | **Decision in 6th Meeting** |
|  | [IS 13288: Part 3: 2002](https://www.services.bis.gov.in/php/BIS_2.0/MembershipManagement/CRef.php?ID=NDgxNw%3D%3D) | Series 1 freight containers - Specification and testing: Part 3 tank containers for liquids, gases and pressurized dry bulk (First Revision) | **Status in 2nd Meeting :** IS 13288 (Part 3): 2002 is an identical adoption of ISO 1496 (Part 3): 1995. However in the meantime, the ISO Document has been revised in 2019. As per the information available on ISO Portal, This latest (fifth) edition (ISO 1496-3: 2019) cancels and replaces the fourth edition (ISO 1496-3:1995) which has been technically revised. It also incorporates the Amendment ISO 1496-3:1995/Amd 1:2006. The main changes compared to the previous edition are as follows: — the container type codes have been revised in accordance to ISO 6346; — the ratings and stacking forces have been revised in accordance to ISO 668;— the load transfer areas of base structure have been referenced to ISO 668; — the stacking test no. 1 ratings have been revised in accordance with ISO 668; — the insulation thermal test has been referenced to ISO 1496-2.In view of the above, the committee may decide to revise the standard to align it with latest version of ISO.(*A corresponding Review document has separately been circulated via BIS Portal to all the committee members.*)**Decision in 2nd Meeting :** The committee decided to revise the standard to align it with latest ISO Standard {ISO 1496 (Part 3): 2019}The committee authorized the member secretary to send the National Foreword related to this standard for wide circulation of 60 days.**Status in 3rd Meeting :** National Foreword has been sent for approval of HoD for Wide Circulation. The committee may please note.**Decision in 3rd Meeting :** The committee noted.**Status in 4th Meeting:** The National Foreword document was sent for wide circulation of 60 days. No comment has been received. The committee may deliberate and decide.**Decision in 4th Meeting:** The committee approved the document for printing.**Status in 5th Meeting**The document is being edited for sending for printing.The committee may please note.**Decision in 5th Meeting**The committee noted. | The document has been sent for printing and isunder publication stage.The committee may please note. | The committee noted the information. |
|  | [IS 11466 : Part 1 : 1985](https://www.services.bis.gov.in/php/BIS_2.0/MembershipManagement/CRef.php?ID=MjU3Mw%3D%3D) | Guidelines for packing, stowage and securing of cargo inside the freight container: Part 1 general cargo | **Status in 2nd Meeting :** In an effort to review/revise all the Pre-2000 standards on priority, a Preliminary draft (P-Draft) has been prepared to revise IS 11466 (Part 1): 1985 and the same has been circulated to all the committee members as TED 33 (20910) P.The last date to comment on this draft is 17/11/2022.(*A corresponding Review document has separately been circulated via BIS Portal to all the committee members.*)**Decision in 2nd Meeting :** The committee noted. The chairman requested Mr. Haresh Lalwani to study the document in depth and come up with comments, if any.**Status/Decision in 3rd Meeting:** The committee decided to give the subject to Panel 1 for Study and deliberation.The Panel was requested to come up with its recommendations / Draft for revision of the standard in next meeting.**Status/Decision in 4th Meeting:** Email dt. 17/01/2024 was sent to Panel 1 Convener, Shri Haresh Lalwani to seek the update on progress made on the standard. The response is awaited.Panel Convener Mr. Lalwani informed that he has talked with federation of freight forwarders association (FFFA), Indian National Shipowners' Association and Indian Chemical Council (ICC) and these organizations have responded positively to participate in the panel meeting.Mr. Lalwani also stated that Representatives from Cargo Packing Industry and Cargo Securing Products Industry are being followed up for participation.The committee requested Mr. Lalwani to expedite the follow up with other members and conduct the panel meeting at the earliest.**Status in 5th Meeting**Reminder on progress have been sent to the panel convener.Response is awaited from Mr. Lalwani on progress of the panel.**Decision in 5th Meeting**The committee requested the panel convener to conduct the first meeting of the panel at theearliest andFinalize the composition of the group and report the same to BIS Secretariat. | Email dt.02/09/2024 & reminder dt.11/09/2024 was sent to Mr. Haresh Lalwani for conducting first panel meeting.The response is awaited.The committee may deliberate and decide. | The committee noted the information.The committee also observed that the doc TED 33 (20910) P needs thorough re-drafting and in view of this the committee decided to drop this document { TED 33 (20910)} from BIS Portal and instructed panel 1 to redraft the document so that the document may be circulated to all members with fresh document number. |
|  | [IS 11466 : Part 2 : 1985](https://www.services.bis.gov.in/php/BIS_2.0/MembershipManagement/CRef.php?ID=MjU3NA%3D%3D) | Guidelines for packing, stowage and securing of cargo inside the freight containers: Part 2 dangerous goods | **Status in 2nd Meeting :** In an effort to review/revise all the Pre-2000 standards on priority, a Preliminary draft (P-Draft) has been prepared to revise IS 11466 (Part 2) : 1985 and the same has been circulated to all the committee members as TED 33 (20918) P.The last date to comment on this draft is 17/11/2022.(*A corresponding Review document has separately been circulated via BIS Portal to all the committee members.*)**Decision in 2nd Meeting :** The committee noted. The chairman requested Mr. Haresh Lalwani to study the document in depth and come up with comments, if any.**Status/Decision in 3rd Meeting:** The committee decided to give the subject to Panel 1 for Study and deliberation.The Panel was requested to come up with its recommendations / Draft for revision of the standard in next meeting.**Status/Decision in 4th Meeting:** Email dt. 17/01/2024 was sent to Panel 1 Convener, Shri Haresh Lalwani to seek the update on progress made on the standard. The response is awaited.Panel Convener Mr. Lalwani informed that he has talked with federation of freight forwarders association (FFFA), Indian National Shipowners' Association and Indian Chemical Council (ICC) and these organizations have responded positively to participate in the panel meeting.Mr. Lalwani also stated that Representatives from Cargo Packing Industry and Cargo Securing Products Industry are being followed up for participation.The committee requested Mr. Lalwani to expedite the follow up with other members and conduct the panel meeting at the earliest.**Status in 5th Meeting:**Reminder on progress have been sent to the panel convener.Response is awaited from Mr. Lalwani on progress of the panel.**Decision in 5th Meeting:**The committee requested the panel convener to conduct the first meeting of the panel at theearliest andFinalize the composition of the group and report the same to BIS Secretariat. | Email dt.02/09/2024 & reminder dt.11/09/2024 was sent to Mr. Haresh Lalwani for conducting first panel meeting.The response is awaited.The committee may deliberate and decide. | The committee noted the information.The committee also observed that the doc TED 33 (20918) P needs thorough re-drafting and in view of this the committee decided to drop this document { TED 33 (20918)} from BIS Portal and instructed panel 1 to redraft the document so that the document may be circulated to all members with fresh document number. |
|  | [IS 13112 : 1991](https://www.services.bis.gov.in/php/BIS_2.0/MembershipManagement/CRef.php?ID=NDYxOQ%3D%3D) | Cargo securing systems for general purpose freight containers general requirements | **Status in 2nd Meeting :** In an effort to review/revise all the Pre-2000 standards on priority, a Preliminary draft (P-Draft) has been prepared to revise IS 13112: 1991 and the same has been circulated to all the committee members as TED 33 (21042) P.The last date to comment on this draft is 17/11/2022.(*A corresponding Review document has separately been circulated via BIS Portal to all the committee members.*)**Decision in 2nd Meeting :** The committee noted. The chairman requested Mr. Haresh Lalwani to study the document in depth and come up with comments, if any.**Status/Decision in 3rd Meeting:** The committee decided to give the subject to Panel 1 for Study and deliberation.The Panel was requested to come up with its recommendations / Draft for revision of the standard in next meeting.**Status/Decision in 4th Meeting:** Email dt. 17/01/2024 was sent to Panel 1 Convener, Shri Haresh Lalwani to seek the update on progress made on the standard. The response is awaited.Panel Convener Mr. Lalwani informed that he has talked with federation of freight forwarders association (FFFA), Indian National Shipowners' Association and Indian Chemical Council (ICC) and these organizations have responded positively to participate in the panel meeting.Mr. Lalwani also stated that Representatives from Cargo Packing Industry and Cargo Securing Products Industry are being followed up for participation.The committee requested Mr. Lalwani to expedite the follow up with other members and conduct the panel meeting at the earliest.**Status in 5th Meeting:**Reminder on progress have been sent to the panel convener.Response is awaited from Mr. Lalwani on progress of the panel.**Decision in 5th Meeting:**The committee requested the panel convener to conduct the first meeting of the panel at theearliest andFinalize the composition of the group and report the same to BIS Secretariat. | Email dt.02/09/2024 & reminder dt.11/09/2024 was sent to Mr. Haresh Lalwani for conducting first panel meeting. | The committee noted the information.The committee also observed that the doc TED 33 (21042) P needs thorough re-drafting and in view of this the committee decided to drop this document { TED 33 (21042)} from BIS Portal and instructed panel 1 to redraft the document so that the document may be circulated to all members with fresh document number. |
|  | [IS 10880 : 2006](https://www.services.bis.gov.in/php/BIS_2.0/MembershipManagement/CRef.php?ID=MTg1MQ%3D%3D) | Twist locks for lifting freight containers - Specification (First Revision) | **Status in 2nd Meeting :** The committee may deliberate and decide to either take up the document for Revision or Reaffirm the document.**Decision in 2nd Meeting :** The committee decided to reaffirm the document as of now.However Mecto Engineers, Coimbatore was assigned the task to study the standard in depth and give their comments to Amend/Revise/Withdraw the standard.**Status/Decision in 3rd Meeting:** The committee decided to give the subject to Panel 2 for Study and deliberation.The Panel was requested to come up with its recommendations / Draft for revision of the standard in next meeting.**Status/Decision in 4th Meeting:** Email dt. 18/01/2024 was sent to Panel 2 Convener, Shri Ashish Bhargav, Concor to seek the update on progress made on the standard.The response is awaited.Mr. Ashish Bhargav (Panel 2 Convenor) informed that he is following up with container spreaders and twist lock manufacturers and will conduct the panel 2 meeting at the earliest.**Status in 5th Meeting:**Mr. Ashish Bhargav (Panel Convener) conducted the first panel meeting on 8th February 2024.The minutes of the meeting is however awaited from the panel convener.**Decision in 5th Meeting:**The committee noted.The committee also requested Panel Convener tosubmit the minutes of first panel meeting to BIS at the earliest. | Mr. Ashish Bhargav (Panel Convener) conducted the first panel meeting on 8th February 2024.The minutes of the meeting is however awaited from the panel convener. Email dt.02/09/2024 & reminder dt.17/09/2024 was sent to Mr. Ashish Bhargav submit the minutes of first panel meeting.The response is awaited.The committee may deliberate and decide. | The committee discussed the matter of non-submission of the minutes of the first panel 2 meeting by the panel convener despite multiple reminders. The committee directed the Member Secretary to write to panel convener to either provide the minutes of the last panel meeting or conduct a fresh panel meeting. |
|  | [IS 9881 : 2007](https://www.services.bis.gov.in/php/BIS_2.0/MembershipManagement/CRef.php?ID=MTczMTI%3D) | Container spreaders - Specification (First Revision) | **Status in 2nd Meeting :** The committee may deliberate and decide to either take up the document for Revision or Reaffirm the document.**Decision in 2nd Meeting :** The committee decided to reaffirm the documents as of now.Mecto Engineers, Coimbatore was assigned the task to study the standard in depth and give their comments to Amend/Revise/Withdraw the standard.**Status/Decision in 3rd Meeting:** The committee decided to give the subject to Panel 2 for Study and deliberation.The Panel was requested to come up with its recommendations / Draft for revision of the standard in next meeting.**Status/Decision in 4th Meeting:** Email dt. 18/01/2024 was sent to Panel 2 Convener, Shri Ashish Bhargav, Concor to seek the update on progress made on the standard.The response is awaited.Mr. Ashish Bhargav (Panel 2 Convenor) informed that he is following up with container spreaders and twist lock manufacturers and will conduct the panel 2 meeting at the earliest.**Status in 5th Meeting:**Mr. Ashish Bhargav (Panel Convener) conducted the first panel meeting on 8th February 2024.The minutes of the meeting is however awaited from the panel convener.**Decision in 5th Meeting:**The committee noted. The committee also requested Panel Convener tosubmit the minutes of first panel meeting to BIS at the earliest. | Email dt.02/09/2024 & reminder dt.17/09/2024 was sent to Mr. Ashish Bhargav submit the minutes of first panel meeting.The response is awaited.The committee may deliberate and decide. | The committee discussed the matter of non-submission of the minutes of the first panel 2 meeting by the panel convener despite multiple reminders. The committee directed the Member Secretary to write to panel convener to either provide the minutes of the last panel meeting or conduct a fresh panel meeting. |
|  | [IS 15734 : 2007](https://www.services.bis.gov.in/php/BIS_2.0/MembershipManagement/CRef.php?ID=NzkyNg%3D%3D) | Freight containers - Repair before refurbishing - Guidelines | **Status in 2nd Meeting :** The committee may deliberate and decide to either take up the document for Revision or Reaffirm the document.**Decision in 2nd Meeting :** The committee decided to reaffirm the documents as of now.Mr. Dauji singh from Bay Container Terminal Private Limited, Mumbai, was assigned the task to study the standard in depth and give their comments to Amend/Revise/Withdraw the standard.**Status/Decision in 3rd Meeting:** The committee decided to give the subject to Panel 3 for Study and deliberation.The Panel was requested to come up with its recommendations / Draft for revision of the standard in next meeting.**Status/Decision in 4th Meeting:** Email dt. 18/01/2024 was sent to Panel 3 Convener, Shri Dauji, Bay Container Terminal Pvt. Ltd. to seek the update on progress made on the standard.The response received through email dt. 20/01/2024 is attached as **Annex – 2**of the agenda of 4th meeting.Mr. Dauji (Panel Convenor) stated that he studied both the Indian Standards for refurbishing of freight containers and is compared them with IICL Manuals. He also explained his comments on IS 15734 to the committee.Mr. Dauji assured the committee to conduct the panel meeting before the next SC Meeting.**Status in 5th Meeting:**Mr. Dauji (Panel Convenor) conducted the first panel meeting on 8th February 2024.The minutes of the panel meeting is attached as **Error!****Reference source not found.** of the agenda.**Decision in 5th Meeting:**The committee discussed the recommendations given by panel and requested Shri Dauji, the panel convener of panel 3, to submit the draft for revision of IS 15734 afterincorporation of the recommendations of the panel. Member secretary was also requested to send the draft for Wide Circulation for 60 days. | Panel Convener submitted the draft on IS 15734 via email dt.11/09/2024 and the same is attached at [**Annex- 4**](file:///C%3A%5CUsers%5CInno%5CDownloads%5CTED%2033%20AGENDA.docx#_bookmark6)**.**The draft will be sent for wide circulation shortly.The committee may please note. | The committee noted the information. |

# REVIEW OF PUBLISHED INDIAN STANDARDS

## The committee Noted the information given in the agenda.

## The committee Noted the list of standards due for review in 2024-25 under TED 33 as mentioned below.

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl.No.** | **IS Number** | **IS Title** | **Decision of the committee** |
|  | IS 13288 (Part 2) : 2020ISO 1496-2 : 2018 | Series 1 Freight Containers — Specification and Testing Part 2 Thermal Containers (*Third Revision*) | The committee requested Mr. Naresh Kumar, Kalyani Cast to review the document and submit the ARP Report to BIS Secretariat. |
|  | IS 13288 (Part 5) : 2020ISO 1496-5 : 2018 | Series 1 Freight Containers — Specification and Testing Part 5 Platform and Platform-based Containers ( *Second Revision* ) | The committee requested Mr. Naresh Kumar, Kalyani Cast to review the document and submit the ARP Report to BIS Secretariat. |
|  | IS 6566 : 2020ISO 668 : 2013 | Series 1 Freight Containers — Classification, Dimensions and Ratings ( *Fourth Revision* ) | The committee requested Mr. Ashok Kumar, DCM Containers to review the document and submit the ARP Report to BIS Secretariat. |
|  | IS 6569 : 2004ISO 830:1999 | Freight containers - Vocabulary (*Third Revision*) | The committee requested Mr. Ashok Kumar, DCM Containers to review the document and submit the ARP Report to BIS Secretariat. |

# PRESENT POSITION OF WORK

## The committee Noted the information given in the agenda.

## The committee noted the Program of Work (PoW) given in the agenda.

# INTERNATIONAL ACTIVITIES

## The committee noted the information given in the agenda.

# DATE AND PLACE OF NEXT MEETING

## The committee decided to have the next meeting in the month of February 2025.

# ANY OTHER BUSINESS

## There being no other comments/suggestions, the meeting ended with a heartly vote of thanks to all the members.

## **Annexure-1**

**Minutes for Panel meeting**

**TED 33/ P-5 Raw Materials for Freight Containers Panel**

|  |  |
| --- | --- |
| **DATE: 13 Sep’2024** | **Venue: On Web-Ex platform** |
| **DAY: Friday** |
| **TIME: 1430 h onwards** |

**Meeting attendance:**

a) Shri Santosh Kumar, RDCIS, SAIL (Convener)

b) Shri Ashok Kumar, M/s DCM

c) Representative from M/s JSW;

d) Shri Gaurav Jayaswal, Member Secretary, TED 33

**Item 0 Opening remarks by Convener**

Shri Santosh Kumar, Convener of Panel welcomed all the members to discuss the comparative study of IS 11587:1986 (ammendement-1) w.r.t other international standards available for corrosion resistant application like CORTEN-A, IRSM 41, SPA-H (JIS – G 3125), ASTM A-588, SAILCOR. The comparative table w.r.t to chemical composition and mechanical properties has been prepared and circulated to panel members.

**Item 1: TED 33/ P-5 Raw Materials for Freight Containers Panel**

**The Panel members noted the information as given in the agenda and deliberated at length. The Panel further noted that equivalent grade of CORTEN-A is available in IS** 11587:1986 (ammendement-1). More specific, Gr. WR-Fe 490H of IS 11587 is similar to CORTEN-A **w.r.t to customized chemical (i.e Mn 0.20-0.050% & Cr: 0.50-1.25%) & mechanical properties both.**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Specification** | **Grade** | **C** | **Mn** | **P** | **S** | **Si** | **Cu** | **Cr** | **Ni** | **Others** | **YS** | **UTS** | **El\*** |
| COR-TEN | A | 0.12 max | 0.20-0.50 | 0.07-0.150 | 0.03 max | 0.25-0.75 | 0.25-0.55 | 0.50-1.25 | 0.65 max | Al: 0.015-0.06 | 345 Mpa min | 485 Mpa min | 20% min |
| JIS G3125  | SPA-H | 0.12 max | 0.60 max | 0.07-0.150 | 0.035 max | 0.20-0.75 | 0.25-0.55 | 0.30-1.25 | 0.65 max |  --- | 355 Mpa min | 490 Mpa min | 22% min |
| IS 11587  | WR-Fe 480A | 0.12 max | 0.60 max | 0.070-0.150 | 0.05 max | 0.25-0.75 | 0.25-0.55 | 0.30-1.25 | 0.65 max | -- | 345 Mpa min (t≤12 mm)325 MPa min (12 mm< t≤40 mm) | 480 Mpa min | 21% min |
| WR-Fe 490H | 0.12 max | 0.60 max | 0.070-0.150 | 0.035 max | 0.20-0.75 | 0.25-0.55 | 0.30-1.25 | 0.65 max | -- | 355 Mpa min | 490 Mpa min | 22% min |
| WR-Fe 500 | 0.17 max | 1.00 max | 0.070-0.100 | 0.05 max | 0.40 max | 0.25-0.55 | 0.70-1.00 | 0.65 max(optional) | V: 0.10 Max | 355 Mpa min | 500 Mpa min | 20% min |

**Accordingly, with considered opinion, the Panel recommended that equivalent grade of CORTEN-A & JIS G 3125 SPA-H is available in IS 11587(ammendent-1).**

**Item 3 Any other business**

**3.1** The meeting ended with thanks to Convener and the members present.