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BUREAU OF INDIAN STANDARDS

Minutes

Name of the Committee	No. of Meeting	Date and Time	Day	Venue
Transport Tractors Trailers and Industrial Trucks Sectional Committee, TED 22	26 th Meeting	5 September 2023 10.30 AM onwards	Tuesday	Hybrid Mode (ARAI Pune Maharashtra+Virtual)

CHAIRMAN: Sh. A. Akbar Badusha

MEMBER SECRETARY: August Dubey

HEAD (TED): Sh. P V Shrikanth

Attendance

Sl. No.	Name of Organization	Name of Member	Remarks
1.	Automotive Research Association of India, Pune	Shri Vishal Rawal	
2.	Automotive component manufacturer association	Shri Sanjay Tank	
3.	Ashok Leyland	Shri V. Faustino	
4.	Brakes India Limited, Chennai	Shri B Ruban Deva Prasath	Participated virtually
5.	CQA (EE) PUNE	Representative	Participated virtually
6.	Godrej & Boyce Manufacturing Company Limited, Mumbai	Shri Vinay Kulkarni	
7.	Godrej & Boyce Manufacturing Company Limited, Mumbai	Shri Anand Tawde	
8.	Josts Engineering Company Limited, Thane	Shri Sameer	Participated virtually
9.	Josts Engineering Company Limited, Thane	Shri Pramod M Pophale	Participated virtually
10.	KION India Pvt. Ltd.	Shri Rizwan Md. Khan	
11.	Mahindra & Mahindra Trucks & Bus Division	Shri Amit Patil	
12.	National Automotive Test Tracks, Dhar	Shri Sagar Bendre	Participated virtually

13.	SDR Auto Private Limited, Chennai	Dr B Ramesh	Participated virtually
14.	Tata Motors (TML)	Shri Harrish M	
15.	Tata Motors (TML)	Shri Rahul Pathak	
16.	Transport Engineering Solution India	Shri Santosh Garade	
17.	Tusker Materials Handling Pvt. Ltd.	Shri Pritom Chavan	
18.	Knorr-Bremse Systems for Commercial Vehicles India Private Limited, Pune	Shri Arun Bisht	Participated virtually
19.	Volvo Trucks, VE Commercial	Shri Nithin Roy	Participated virtually

ITEM 0 WELCOME AND INTRODUCTORY REMARKS

0.1 Welcome by Member Secretary – Member Secretary welcomed all the members present in the 26th Meeting of TED 22.

0.2 Opening Remarks by the Chairman –

In the 26th Meeting of TED 22, Chairman Shri A. A. Badusha extended a warm welcome to all the attending members. He underscored the importance of the committee members' active engagement during panel meetings and expressed his satisfaction on the work being done by various panels under TED 22. He further requested members to have detailed deliberation during the meeting on agenda items.

ITEM 1 CONFIRMATION OF THE MINUTES OF THE PREVIOUS MEETING

Committee pointed out editorial error on item 2.5.1 of minutes of 25th meeting. It confirmed that organization mentioned under item 2.5.1 was not blue diamond, it was black diamond. Committee confirmed the minutes of 25th meeting with above correction.

ITEM 2 COMPOSITION OF SECTIONAL COMMITTEE / SUB-COMMITTEE / PANEL

2.1 The Committee noted the information given in the agenda.

2.2 The Committee noted the information given in the agenda.

2.3 Committee noted the information given in the agenda. Further it requested members to take up the subject with their top management and to update the nomination from their organization accordingly.

2.4 The Committee noted the information given in the agenda. As following organizations have been failed to participate in TED 22 committee even after reminders, committee recommended to withdraw these organization from TED 22 committee.

1. BEML Ltd. Bangalore
2. Chennai Port Trust, Chennai
3. Container Corporation of India, New Delhi

Further, as M/s JCB manufactures variable-reach trucks and this subject is under discussion, committee requested member secretary to follow up with M/s JCB, once more.

2.4 The Committee noted the information given in the agenda.

2.5 Co-options

a) Representative from M/s Tusker mentioned that his organization is involved in manufacturing of forklift and platform truck and requested committee for their co-option. Committee deliberated and accepted the Co-option request.

b) Committee noted the information given in the agenda and welcomed the new co-opted organizations. Further, it requested member secretary to follow up with SIAM and Tractico Engineering Pvt. Ltd.

2.6 Panel Under TED 22

Committee deliberated on Panel composition and updated the detail as follows

	Composition	Remarks
Panel 1	<ul style="list-style-type: none"> • Shri P. M. Pophale of Jost's Engineering Company Ltd, • Shri A.S Tawde and Shri krunal Mehta of Godrej & Boyce Mfg Co. Ltd. • Shri Rizwan khan of KION India Pvt Ltd. • Representative from ARAI • Representative from TML • Representative from ZF • Representative from CIRT 	Panel Convenor: <ul style="list-style-type: none"> • M/s KION, for ISO 3691 Pat 4, 5 and 6 • M/s Godrej for others
Panel 2	ARAI – Mr V P Rawal (Convenor) <ul style="list-style-type: none"> • Godrej • KION • Jost's • ACMA • BIS • NATRAX 	To discuss revision of IS 10311 and other task as assigned by committee
Panel 3	TML- Mr Pathak (Convenor) <ul style="list-style-type: none"> • heavy commercial motor vehicle manufacturers, • trailer manufacturers, • Test agencies, 	To discuss revision of IS 7774 Part 1 and other task as assigned by committee

	<ul style="list-style-type: none"> certification agencies. 	
Panel 4	SDR Auto- Dr. B Ramesh (Convenor) <ul style="list-style-type: none"> Ashok Leyland, Volvo, TATA Motors ARAI, MTBD (Mahindra Truck and Bus division) Trailer Manufacturer Association 	To discuss adoption of ISO 1726 Part 2 and Part 3 and other task as assigned by committee
Panel 5	Mr. B Ramesh SDR Auto (Convenor) <ul style="list-style-type: none"> Ashok Leyland, Volvo, TATA Motors ARAI, MTBD ZF Groups 	To discuss revision of IS 9905 and other task as assigned by committee

ITEM 3 ISSUES ARISING OUT OF ACTIONS OF THE PREVIOUS MEETINGS

Committee deliberated and decided as follows:

<i>Sl No.</i>	<i>Subject</i>	<i>Decisions during previous Meetings</i>	<i>Present Status</i>	<i>Committee Decision</i>
1.	Adoption of ISO 3691-1 TED 22 (20354) IS 6305 (Part 1 & 2) : 1980 I ISO 3691 : 1980 (see Amd 1 : 1983) Safety Code for powered Industrial Trucks – Part 1 Application, Operation and maintenance Part II : Manufacture	In 23 rd meeting the committee agreed to take decision on retaining/Withdrawal of IS 6305 (Part 1 & 2) : 1980,only after adoption of ISO 3691 – 1. Status in 25th meeting Draft document TED 22 (20354) was shared in WC dt. 23.08.2022 for 60 days. Comment received from M/s Godrej on draft document was shared with Panel 1. Panel meeting was held on 21 st Dec 2022. Minutes of the meeting is attached at	Panel meetings were held on 27/7/2023 and 18/8/2023. Minutes of the panel-1 meetings are attached at Annex- 2 and Annex-3 M/s Godrej is requested to submit the analysis report and recommendation before 26 th meeting of TED 22. Committee may please deliberate on submitted analysis report and recommendation.	Member Secretary briefed the minutes of panel meetings, which were held on 27.7.2023 and 18.8.2023. Representative from M/s KION informed that for ISO 20898, confirmation from Battery supplier is awaited and it may take one month time further. Further, committee decided that based on input received from M/s KION and M/s Godrej, Panel 1 meeting may be held for further deliberation and finalization of panel recommendation.

		<p>Error! Reference source not found. Decision in 25th meeting Committee discussed on panel recommendation and decided as given in Annex-1. <i>(Committee accepted few comments and rejected others, For reference of ISO 20898 in document TED 22 (20354), Committee requested Sh. Anand Tawde to expedite the review and submit the report within one month time.</i> <i>Once the report is received a panel meeting may be called to discuss the same and provide its recommendation.)</i></p>		
2.	<p>Revision of IS 10312 : 1982 / ISO 3691 : 1980 (see Amd-1 : 1983) Safety code for Powered Tow Trucks</p> <p>Adoption of ISO 3691-6 (TED 22 19391) Industrial trucks — Safety requirements and verification — Part 6: Burden and personnel carriers</p>	<p>Status in 25th meeting</p> <p>As recommended by committee in 24th meeting the document (TED 22 19391) has been processed for Publication.</p> <p>Committee may please note the status of the document.</p> <p>Committee may also deliberate for retaining/withdrawal of IS 10312:1982.</p> <p>Decision in 25th meeting Committee noted the information given in agenda. Further it was requested to panel to deliberate on retention/withdrawal of IS 10312: 1980 and adoption of remaining part of ISO 3691.</p>	<p>Panel meetings were held on 27/7/2023 and 18/8/2023. Minutes of the panel meetings are attached at Annex- 2 and Annex 3.</p> <p>Committee may please deliberate on panel recommendation.</p>	<p>Representative from M/s KION and M/s Jost's mentioned that ISO 3691 Part 6 covers the requirement for less than or equal to 5 tonnes capacity truck and Part 1 covers the requirement for remaining trucks (more than 5 tonnes).</p> <p>Committee deliberated and recommended to withdraw IS 10312: 1982, after adoption of ISO 3691-1 (TED/22/20354)</p> <p>Committee further deliberated on Panel 1 recommendation regarding adoption of ISO 3691 Part 2,3,4 and 5.</p> <p>Committee decided to adopt ISO 3691 Part 3 and Part 4 identically with dual number system and requested BIS to process the</p>

		For the above, Committee requested panel convenor to make a comparative analysis of the two standards (IS 10312 and ISO 3691-6). If all the requirements of IS 10312 are covered in ISO 3691-6, IS 10312 may be withdrawn and if not covered then relevant clause may be taken out to insert into TED 22 (19391).		National foreword into WC for 60 days. For ISO 3691 Part 2, committee requested BIS to take input from JCB also as M/s JCB manufactures Variable reach trucks. Further, it decided that based on input received from Panel 1 for ISO 20898, adoption of ISO 3691- Part 5 will be discussed in next committee meeting.
3.	Adoption of ISO 22915 (Part 1 to 21)	Decision in 25th meeting: Committee noted the information given in agenda.	Parts 1,2,3,4,5,7,8,9,10,11, 12, 13, 14,15,16,17,20,21 of ISO 22915, have been adopted, please refer Annex- 4. Committee may please note.	Committee noted the information given in the agenda.
4.	IS 6765 (Part 1): 2003 Powered Industrial Truck - Parameters for Designation of Rated Capacity and Capacity - Part 1 : Powered High Lift Trucks	Status in 25th meeting In 23 rd meeting, the committee agreed to take decision on retaining/Withdrawal of IS 6765 (Part 1): 2003, only after adoption of ISO 3691 – 1. For adoption of ISO 3691-1, please refer Sr No 1 of ITEM 3. Decision in 25th meeting Committee noted the information given in agenda. Also see Sr No. 1 of item 3/ Annex 1 for adoption of ISO 3691-1.	Adoption of ISO 3691-1 is under process. Please refer Sr No 1 of ITEM 3. Committee may please note.	Committee noted the information given in the agenda.
5.	Doc: TED 22(1006) W Road vehicles — Fifth wheels — Interchangeability	Decision in 25th meeting Committee accepted M/s Ashok Leyland comments and decided to process the	Draft document TED 22 (15462) F is under preparation for forwarding to publication.	Committee noted the information given in the agenda.

	<i>(Second revision of IS 10766 : 2004 by adoption of ISO 3842 : 2006)</i>	<p>document for publication. Further committee authorized member secretary to carry out editorial correction, if any.</p> <p>Committee further decided to withdraw IS 10766, as relevant provision of IS 10766 were already covered in document TED 22 (15462) W.</p> <p>Committee asked member secretary to insert information in foreword of document TED 22 (15462) regarding superseding of IS 10766, IS 14880 and IS 12351.</p>	Committee may please note.	
6.	<p>Doc: TED 22 (1017)P Commercial road vehicles — Drawbar couplings and eyes for rigid drawbars strength tests for general cargo centre-axle trailers <i>(First Revision of IS 14880: 2000)</i></p>	<p>Status in 25th Meeting As agreed by committee in 23rd meeting, IS 14880: 2000 would be processed for withdrawal after publication of document TED 22 (15462) as Indian Standards.</p> <p>Committee may please note above.</p> <p>For TED 22 (15462) W pl refer Sr No 5 of item 3.</p> <p>Decision in 25th meeting Committee noted the information given in agenda.</p>	<p>Draft document TED 22 (15462) F is under preparation for forwarding to publication.</p> <p>Committee may please note.</p>	Committee noted the information given in the agenda.
7.	<p>IS 10792:1984 Testing and Acceptance criteria of Pneumatic couplings between Tractors and Trailers</p>	<p>Status in 25th Meeting Draft document TED 22 (12921) was reshared in WC dt 23.08.2022 for wide circulation period of 30 days. Panel deliberated on document TED 22 (12921)</p>	<p>Draft document TED 22 (12921) was issued in WC vide BIS Portal dated: 18.7.2023.</p> <p>WC completion dt: 17.8.2023</p>	Committee noted the information given in the agenda.

		<p>and Mr. Faustino comments on 27 September 2022. Minutes of panel meeting is attached as Annex-4. Panel convenor is kindly requested to brief the recommendation of the panel.</p> <p>Decision in 25th meeting:</p> <p>Committee accepted panel recommendation and decided to process the document in Wide circulation for 30 days. Committee further decided that if no comment is received in 30 days circulation period, the document to be processed for publication and authorized member secretary to carry out editorial correction, if any.</p>	<p>No comment is received on draft document TED 22 (12921) W.</p> <p>As decided by committee, during 25th meeting, the document TED 22 (12921) F would be processed for publication, shortly. Currently it is under preparation for processing to publication.</p> <p>Committee may please note.</p>	
8.	<p>Revision of IS 9905:1981 ISO 1728:1980 Pneumatic Coupling between Tractors and Trailers</p>	<p>Decision in 25th meeting:</p> <p>Committee accepted panel recommendation and committee decided to circulate the document in wide circulation of 30 days. Further it was decided that if no comment is received in circulation period, the document to be processed for publication and committee authorized member secretary to carry out editorial correction, if any.</p>	<p>While processing the document in Wide circulation, it was observed that ISO 4009: 2000 is referred in document TED 22(12922) at multiple places. However, ISO 4009: 2000 has been withdrawn. Committee may please redeliberate on draft document.</p>	<p>Committee requested BIS to check the availability of ISO 4009 :2000. If available, BIS to provide to Panel 5 convenor.</p> <p>Further it requested Panel 5 to deliberate on draft document again and provide the updated draft to BIS.</p> <p>Committee further decided to circulate the updated daft document in WC with approval of chairperson TED 22, for 30 days</p>
9.	<p>Revision of IS 8007:2004 / ISO 1726:2000 —Road vehicles mechanical coupling between tractors and semi - trailers</p>	<p>In 23rd meeting, there was a proposal to increase the Maximum height h above GRP of the fifth wheel of an uncoupled tractor, from 1400 mm to 1500 mm. In 23rd meeting, committee</p>	<p>IS 8007: 2004/ ISO 1726-1 Draft document has been submitted to HTED for approval for issuance in WC.</p>	<p>IS 8007: 2004/ ISO 1726-1 Member Secretary briefed the suggestion given by HTED regarding removal of reserve clause from</p>

<p>Interchangeability.</p> <p>ISO 1726-1: 2000 Road vehicles — Mechanical coupling between tractors and semi-trailers — Part 1: Interchangeability between tractors and semi-trailers for general cargo</p> <p>ISO 1726-2: 2007 Road vehicles — Mechanical couplings between tractors and semi-trailers — Part 2: Interchangeability between low-coupling tractors and high-volume semi-trailers</p> <p>ISO 1726-3 Road vehicles — Mechanical couplings between tractors and semi-trailers — Part 3: Requirements for semi-trailer contact area to fifth wheel</p>	<p>decided to adopt the ISO 1726-2.</p> <p>In the meeting, Shri B Ramesh also informed the committee that ISO 1726 (Part 3) is under the process of revision and hence the decision on the adoption of the same can be taken only after the completion of revision work by ISO.</p> <p>Status in 25th meeting:</p> <p>ISO 1726 Part 1: Panel deliberated on increasing the height from 1400 to 1500 mm on 27 September 2022.</p> <p>Minutes of the panel meeting is attached as Annex-4.</p> <p>Panel convenor is kindly requested to brief the recommendation of the panel.</p> <p>ISO 1726 Part 2:</p> <p>Document TED 22 (20205) was shared in WC on 02.08.2022 for Wide circulation of 60 days Last Date for comment: 01.10.2022</p> <p>No comment was received in circulation period. As recommended by committee in 24th meeting, the document has been processed for publication. Committee may please note the status of the document.</p> <p>ISO 1726 Part 3: ISO 1726 Part 3 is still under development. Committee may please note.</p>	<p>ISO 1726 Part 2: Draft document TED 22 (20205) was processed in publication and it has been published as IS 8007 Part 2: 2023.</p> <p>ISO 1726 Part 3: ISO 1726 Part 3 has been revised and published as ISO 1726 Part 3: 2023.</p> <p>Committee may please note the status about IS 8007/ISO 1726 Part 1 & IS 8007 Part 2, and deliberate for adoption of ISO 1726 Part 3.</p>	<p>draft document (generally reserve clause should not be kept in Indian Standard, if needed amendment can be done to insert/delete the clause).</p> <p>Further member secretary informed that draft document has been shared in Wide circulation with the approval of chairperson TED 22. Committee endorsed the Chairperson direction.</p> <p>Document: TED 22 (23030) W</p> <p>Date of circulation: 01.09.2023</p> <p>Further, Committee decided that if no comments are received on draft document TED 22 (23030) W within the circulation period, document to be processed for Printing and authorized Member Secretary to carry out editorial corrections, if any.</p> <p>ISO 1726 Part 2:</p> <p>Committee noted the information given in the agenda.</p> <p>.</p> <p>ISO 1726 Part 3:</p> <p>Committee requested Panel 4 to review ISO 1726 Part 3 and provide their recommendation regarding adoption of ISO 1726 Part 3.</p>
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		<p>Decision in 25th meeting</p> <p>IS 8007: 2004/ ISO 1726-1</p> <p>Committee accepted the panel recommendation and decided to circulate the draft document in wide circulation for 60 days as modified adoption of ISO 1726-1.</p> <p>ISO 1726-2 and ISO 1726-3</p> <p>Committee noted the information given in agenda</p>		
10.	<p>Review of IS 12351 : 1988 / ISO 1103:1996</p> <p>Specification for coupling ball for caravans and light-trailers</p>	<p>Status in 25th meeting:</p> <p>As recommended by committee in 23rd meeting, IS 12351: 1998 would be processed for withdrawal after publication of draft document TED 22 (15462)W as Indian Standard.</p> <p>Committee may please note the status of the document. For document TED 22(15462)W please refer Sr No 5 of ITEM 3.</p> <p>Decision in 25th meeting:</p> <p>Committee noted the information given in agenda.</p>	<p>Draft document TED 22 (15462) F is under preparation for forwarding to publication.</p> <p>Committee may please note.</p>	<p>Committee noted the information given in the agenda.</p>
11.	<p>Adoption / Conversion of AIS 091 (Part-1)</p>	<p>Status in 25th meeting:</p> <p>For document TED 22(15462) W please refer Sr No 5 of ITEM 3.</p> <p>Decision in 25th meeting:</p> <p>Committee noted the information given in agenda and approved the document</p>	<p>Draft document TED 22 (15462) F is under preparation for forwarding to publication.</p> <p>Committee may please note.</p>	<p>Committee noted the information given in the agenda.</p>

		TED 22 (15462) for publication.		
12.	<p>Proposal for Amendment to IS 17434: 2020</p> <p>{ Approval of I.A. Close Coupling Device (CCD) II Vehicles with regard to fitting of an Approved Type of CCG }</p>	<p>25th meeting status: The document TED 22 (19405) was shared in P-Draft dt. 21.04.2022</p> <p>No comment is received on the draft document TED 22 (19405) P.</p> <p>Committee may please note the status and deliberate for forwarding the draft document in Wide Circulation.</p> <p>25th meeting Decision Committee decided to process the document in WC for 60 days. Committee further authorized member secretary to process the document for publication if no comment is received within circulation period and to carry out editorial correction, if any.</p>	<p>The document TED 22 (19405) was issued in wide circulation vide BIS Portal, for 60 days.</p> <p>Circulation Date: 09.08.23, The committee may please note.</p>	<p>Committee noted the information given in the agenda.</p> <p>Further, Committee decided that if no comments are received on draft document TED 22 (19405)W within the circulation period, document to be processed for Printing and authorized Member Secretary to carry out editorial corrections, if any.</p>
13.	<p>Adoption of AIS 113 : 2013</p> <p>Code Of Practice For Type Approval Of Trailers/Semi-Trailers Of Categories T2, T3 And T4 Being Towed By Motor Vehicles Of Categories N2 And N3</p>	<p>25th Meeting Status: Comment received from Mr. Faustino dt. 13.05.2020 is attached at Annex 5. <i>ARAI mailed dt. 26.06.2020:</i> In reference to 21st meeting discussion, it is informed to presently park the Mr. Faustino comment on document TED 22 (14066) W.</p> <p>Committee may deliberate on document TED 22 (14066) W and decide further course of action.</p> <p>25th meeting decision-</p>	<p>Draft document TED 22 (14066) W has been dropped from Portal. Committee may please note and deliberate for adoption of AIS 113.</p>	<p>Committee noted the information given in the agenda.</p>

		<p>ARAI informed that AIS 113 is notified standard under CMVR and currently lots of changes are happening in AIS 113 so it was decided to park the document for time being and it will be taken up for adoption later.</p> <p>Committee decided to drop the document from the portal and to take up the document for standardization in upcoming meetings.</p>		
14.	<p><u>IS 5008 : Part 1 : 1987</u> Data sheet for industrial towing trucks: Part 1 I.C. engine powered</p>	<p>25th meeting status: Review document was circulated dt. 15.10.2022 and P Draft (TED 22 20782) was circulated dt. 15.10.2022. No comments are received on draft document.</p> <p>25th meeting decision: Committee decided to circulate the document in WC for 60 days.</p>	<p>Draft document is under preparation for issuing in WC</p> <p>Committee may please note the status of the document.</p>	<p>Committee noted the information given in the agenda.</p>
15.	<p><u>IS 13579 : 1992</u> Transport trailers - Methods of test</p>	<p>25th meeting status: Review report (ARP)circulated dt: 10.10.2022</p> <p>25th meeting decision: ARAI informed that they have completed the review of IS 13579: 1992. Committee decided to reaffirm IS 13579: 1992 as of now and decided that IS 13579: 1992 to be withdrawn after conversion of AIS 113 into India Standards.</p>	<p>IS 13579 has been reaffirmed. Committee may please note.</p>	<p>Committee noted the information given in the agenda.</p>
16.	<p><u>IS 4660 : 1993</u> Powered industrial trucks - Terminology (Third Revision)</p>	<p>25th meeting status: Review document was circulated dt. 14.10.2022 and P Draft (TED 22 20795)</p>	<p>Draft document is under Preparation for issuing in WC. Committee may please note.</p>	<p>Member secretary briefed Panel 1 observation about IS 4660. (Panel 2 meeting dated 18/8/2023)</p>

		<p>was circulated dt. 17.10.2022. No comments are received on draft document.</p> <p>25th meeting decision:</p> <p>Committee decided to circulate the document in WC for 60 days.</p>		<p>Committed decided to put the draft document TED 22 (20795) on hold and requested M/s Jost's to complete the review within 1 month and submit their recommendation to BIS for further deliberation by Panel 1.</p>
17.	<p><u>IS 12358 : 1988</u></p> <p>Specification for 'Contact' Type Coupling for Vacuum and Pressure Systems Connection Between Tractor and Trailer</p>	<p>25th meeting Status: Review report Circulated dated: 28.11.2022</p> <p>25th meeting Decision: Committee decided to circulate the document in P-Draft circulation of 30 days. If no comment is obtained in circulation period, the document to be processed for WC of 60 days.</p>	<p>Draft document (TED 22 (23017) was issued in P-draft circulation for 30 days.</p> <p>Circulation date:19.7.2023</p> <p>No comment is received on draft document. Committee may please deliberate to issue the draft document in WC.</p>	<p>Committee decided to process the draft document TED 22 (23017) in wide circulation for 60 days.</p>
18.	<p><u>IS 12606 : 1989</u></p> <p>Transport tractors and trailers – Static load on ball couplings</p>	<p>25th meeting Status: Review report Circulated dated: 28.11.2022</p> <p>25th meeting Decision: Committee decided to circulate the document in P-Draft circulation of 30 days. If no comment is obtained in circulation period, the document to be processed for WC of 60 days.</p>	<p>Draft document TED 22 (23018) was issued in P-draft circulation for 30 days.</p> <p>Circulation date:19.7.2023</p> <p>No comment is received on draft document. Committee may please deliberate to issue the draft document in WC.</p>	<p>Committee decided to process the draft document TED 22 (23018)in wide circulation for 60 days.</p>
19.	<p><u>IS 12807 : 1989</u></p> <p>Drawbar eyes for mechanical connections between towing vehicles and trailers – Specification</p>	<p>25th meeting Status: Review documents awaited.</p> <p>25th meeting Decision: Member secretary briefed the review report submitted by BIS Officer. Committee decided to circulate the document in P- Draft circulation of 30 days. If no comment is obtained in</p>	<p>Draft document TED 22(23297) was issued in P-Draft circulation for 30 days.</p> <p>Circulation date:19.8.2023</p> <p>Committee may please note the status of the document</p>	<p>Representative from M/s Ashok leyland pointed out that IS 12807 specifies the characteristic of 40 mm and 50 mm drawbar eyes, whereas most of the requirements for 50 mm are already covered in document TED 22 (15462) (based on AIS 091). He</p>

		circulation period, the document to be processed for WC of 60 days.		<p>requested committee to address it suitably.</p> <p>Committee decided that for same size, there should not be two separate set of standard. Committee further requested Panel 4 to deliberate on above point/documents and submit its recommendation to the committee before the next committee meeting.</p>
20.	<p>IS 14770 : 1999</p> <p>Industrial trucks - Inspection and repair of fork arms in service on fork - Lift trucks</p>	<p>25th meeting Status: Review report Circulated dated: 14.10.2022</p> <p>25th meeting Decision Committee decided to circulate the document in P-Draft circulation of 30 days. If no comment is obtained in circulation period, the document to be processed for WC of 60 days.</p>	<p>IS 14770: 1999 was identical adoption of ISO 5057:1993.</p> <p>National foreword, based on ISO 5057:2022, for revision of IS 14770 has been issued in P-Draft circulation for 30 days.</p> <p>Draft document TED22 (23312) P Circulation date: 21/8/2023</p> <p>Committee may please note the status of the document</p>	<p>M/s Godrej and M/s KION requested BIS to circulate ISO 5057:2022 with them for review. Committee deliberated and decided that if no comments are received on draft document TED 22 (23312) P within the circulation period, document to be issued into wide circulation of 60 days.</p>
21.	<p>IS 7552 : 2018</p> <p>Industrial trucks - Verification of stability - Additional stability test for trucks operating in the special condition of stacking with mast tilted forward and load elevated (Second Revision)</p>	<p>25th meeting Status: Review report circulated dt. 17.03.2022</p> <p>25th meeting Decision: Committee decided to revise the standard and adopt ISO 22915-8: 2018. Further it was decided to send the draft document in WC of 60 days.</p>	<p>Draft document TED 22 (22754) was issued in Wide circulation for 60 days.</p> <p>Circulation date: 11.7.2023</p> <p>Committee may please note the status of the document</p>	<p>Committee decided that if no comments are received within wide circulation period, member secretary to process the document in publication. Further committee authorized member secretary to carry out editorial correction, if any</p>

22.	IS 7631 : 2018 Industrial trucks - Pallet stackers, double stackers and order - Picking trucks with operator position elevating up to and including 1200 mm lift height - Verification of stability (Second Revision)	25th meeting Status: Review report circulated dated 17.03.2022 25th meeting Decision: Committee decided to revise the standard and adopt ISO 22915-4: 2018. Further it was decided to send the draft document in WC of 60 days.	Draft document TED 22 (22751) was issued in Wide circulation for 60 days. Circulation date: 11.7.2023 Committee may please note the status of the document	Committee decided that if no comments are received within wide circulation period, member secretary to process the document in publication. Further committee authorized member secretary to carry out editorial correction, if any
23.	IS 12726 : 2018 Industrial trucks - Order - Picking trucks with operator position elevating above 1200 mm - Verification of stability (First Revision)	25th meeting Status: Review report circulated dated 17.03.2022 25th meeting Decision: Committee decided to revise the standard and adopt ISO 22915-21: 2019. Further it was decided to send the draft document in WC of 60 days.	Draft document TED 22 (22755) was issued in Wide circulation for 60 days. Circulation date: 26.7.2023 Committee may please note the status of the document	Committee decided that if no comments are received within wide circulation period, member secretary to process the document in publication. Further committee authorized member secretary to carry out editorial correction, if any
24.	IS 15611 : Part 1 : 2018 Industrial trucks - Single - Side - Loading trucks - Verification of stability (First Revision)	25th meeting Status: Review report circulated dt: 17.10.2022 25th meeting Decision: Committee decided to revise the standard and adopt ISO 22915-5: 2020. Further it was decided to send the draft document in WC of 60 days.	Draft document TED 22 (22753) was issued in Wide circulation for 60 days. Circulation date: 11.7.2023 Committee may please note the status of the document	Committee decided that if no comments are received within wide circulation period, member secretary to process the document in publication. Further committee authorized member secretary to carry out editorial correction, if any
25.	IS 10311: 1982 General requirements of powered platform trucks and their acceptance criteria	24th meeting Decision: Committee decided that further study is required regarding applicability of various component in IS 10311. Committee requested member secretary to circulate the standard IS 10311 to committee members and committee agreed to form a panel under the Convenorship of ARAI. The panel will include	For revision of IS 10311 and to discuss comments received from CMD-III, a panel meeting was held on 27.7.2023. Minutes of the meeting is attached at Annex-5 . Next panel meeting is	Panel convenor briefed the minutes of the panel meetings which were held on 27.7.2023 (attached at Annex5 of agenda) and 29.8.2023 (circulated with committee members vide mail dated: 2/9/2023) Shri Sameer from M/s Jost's shared the updated presentation and briefed the changes done in the

		<p>representative from ARAI, Godrej, KION, JOST, ACMA and BIS.</p> <p>25th meeting Status: Minutes of the Panel meeting is attached at Annex-2</p> <p>25th meeting Decision: Sh Rizwan khan pointed that standard mentioned in panel meeting minutes is not AS 2351, it is AS 2359-1. Committee deliberated on panel discussion and directed panel to go through various available standards covered under QCO and AS 2359-1 and prepare the draft document by next meeting of SC TED</p>	<p>scheduled on 25/8/2023 to finalize the panel recommendation</p> <p>Committee may please deliberate on panel recommendation.</p>	<p>document. Committee requested M/s Jost's to update the draft as per panel recommendation.</p> <p>Committee requested Member secretary to take up the comment related to wheel with TED 7 committee for obtaining clarification.</p> <p>Committee further requested Panel to look for international standards, if any, for reference of tyres.</p> <p>Committee decided to include clauses related to steering, steering effort, lighting and electrical requirements.</p> <p>Further for existing clauses related to brakes, travel control, guards, gradient requirement etc, committee requested to address suitably in detail and update the document for further deliberation of committee.</p> <p>Further committee decided to include M/s EDDYCURRENT CONTROLS (INDIA) LIMITED also in Panel 3 as they are involved in manufacturing of platform trucks.</p>
26.	<p>IS 10393: 1982</p> <p>Specification for electrical connector for tractor - Trailer jumper cable</p>	<p>25th meeting Status: Document TED 22 (19037) W was shared in wide circulation dt. 20.09.2022 for 60 days. No comments are received on draft document</p> <p>25th meeting Decision:</p>	<p>Draft document is under preparation to process to publication. Committee may please note the status of the document.</p>	<p>Committee noted the information given in the agenda.</p>

		Committee decided to process the document for publication and authorized member secretary to carry out editorial correction, if any.		
27.	IS 7496: 1974 Specification for direction of travel - Controls for industrial tractors and powered industrial trucks	25th meeting Status: Document TED 22 (19045) W is under drafting, it will be shared in wide circulation shortly 25th meeting Decision: Committee noted the status of the document given in agenda.	HTED referred the draft document to name the figures. Committee may please deliberate and update the draft.	Committee deliberated and requested ARAI to update draft and submit to BIS to issue in wide circulation for 60 days.
28.	IS 7570: 1975 Glossary of terms relating to fork arms and attachments of fork lift trucks	25th meeting Status: Document TED 22 (19041) W was shared in wide circulation dt. 20.09.2022 for 60 days. No comments are received on draft document 25th meeting Decision: Committee decided to process the document for publication and authorized member secretary to carry out editorial correction, if any.	Draft document TED 22 (19041)F has been submitted to HTED for approval, to process in Publication.	Committee noted the information given in the agenda.
29.	IS 7862: 1975 Glossary of terms relating to safety aspects concerning operating areas of industrial trucks	25th meeting Status: Document TED 22 (18937) W was shared in wide circulation dt. 20.09.2022 for 60 days. No comments are received on draft document 25th meeting Decision: Committee decided to process the document for publication and authorized member secretary to carry out editorial correction, if any.	Draft document is under preparation to process to publication. Committee may please note the status of the document.	Committee noted the information given in the agenda.

30.	<p>IS 8274: 1976</p> <p>Specification for drawbar eyes and fore carriage pins for connection between trailers of gross mass above 5 tonnes and upto 35 tonnes and transport tractor</p>	<p>25th meeting Status: Document TED 22 (19073) W was shared in wide circulation dt. 20.09.2022 for 60 days. No comments are received on draft document.</p> <p>25th meeting Decision: Committee decided to process the document for publication and authorized member secretary to carry out editorial correction, if any.</p>	<p>Draft document TED 22 (19073)F has been submitted to HTED for approval, to process in Publication.</p>	<p>Committee noted the information given in the agenda.</p>
31.	<p>IS 8296: 1976</p> <p>Specification for towing jaw for use between trailers of up to 35 tonnes gross mass and transport tractor</p>	<p>25th meeting Status: Document TED 22 (19075) W was shared in wide circulation dt. 20.09.2022 for 60 days. No comments are received on draft document.</p> <p>25th meeting Decision: ARAI informed that they have reviewed IS 8296 and briefed the review done by them. Committee decided to drop the document TED 22 (19075). Further committee recommended that IS 8296 could be merged with standard based on draft document TED 22 (15462). Committee requested ARAI to provide relevant portion of IS 8296 to include as amendment in standard based on draft document TED 22 (15462). Further committee recommended to withdraw IS 8296 after incorporating relevant portion in standard based on TED 22 (15462)</p>	<p>Draft document TED 22 (15462) F is under preparation for forwarding to publication.</p> <p>Committee may please note.</p>	<p>Committee noted the information given in the agenda.</p> <p>Committee requested ARAI to share the identified content for amendment with BIS, as discussed during 25th meeting.</p>

32.	<p>IS 8297: 1976</p> <p>Specification for towing jaw for use between trailers of up to 16 tonnes gross mass and transport tractor</p>	<p>25th meeting Status: Document TED 22 (19074) W was shared in wide circulation dt. 20.09.2022 for 60 days. No comments are received on draft document.</p> <p>25th meeting Decision: Committee decided to process the document for publication and authorized member secretary to carry out editorial correction, if any.</p>	<p>It is observed that IS 1364: 1967 is referred in IS 8297 for bolt (M 16× 1.5P)</p> <p>IS 1364 :1967 has been revised and published as IS 1364 Part 1, Part 2, Part 3, Part 4, Part 5 and Part 6).</p> <p>(M 16× 1.5P) could not be traced, committee may please deliberate for reference and updating of draft document.</p>	<p>Committee deliberated and requested Panel 4 to update the draft document. It decided that updated draft document to be processed into wide circulation of 30 days.</p> <p>Further it was decided that if no comments are received within WC period, Member Secretary to process the document in publication and authorized member secretary to carry out editorial correction, if any.</p>
33.	<p>IS 8298: 1976</p> <p>Specification for towing jaw for use between trailers of up to 5 tonnes gross mass and transport tractor</p>	<p>25th meeting Status: Document TED 22 (19076) W was shared in wide circulation dt. 20.09.2022 for 60 days. No comments are received on draft document.</p> <p>25th meeting Decision: Committee decided to process the document for publication and authorized member secretary to carry out editorial correction, if any.</p>	<p>It is observed that IS 1364: 1967 is referred in IS 8298 for bolt (M 12× 1.5P)</p> <p>IS 1364 :1967 has been revised and published as IS 1364 Part 1, Part 2, Part 3, Part 4, Part 5 and Part 6).</p> <p>(M 12× 1.5P) could not be traced, committee may please deliberate for reference and updating of draft document</p>	
34.	<p>IS 8299: 1976</p> <p>Specification for towing hook for use between trailers of up to 16 tonnes gross mass and transport tractor</p>	<p>25th meeting Status: Document TED 22 (18938) W was shared in wide circulation dt. 20.09.2022 for 60 days. No comments are received on draft document.</p> <p>25th meeting Decision: ARAI informed that they have reviewed IS 8299 and briefed the review done by them. Committee decided to drop the document TED</p>	<p>Draft document TED 22 (15462) F is under preparation for forwarding to publication.</p> <p>Committee may please note.</p>	<p>Committee noted the information given in the agenda.</p> <p>Committee requested ARAI to share the identified content for amendment with BIS, as discussed during 25th meeting.</p>

		<p>22 (18938). Further committee recommended that IS 8299 could be merged with standard based on draft document TED 22 (15462).</p> <p>Committee requested ARAI to provide relevant portion of IS 8299 to include as amendment in standard based on draft document TED 22 (15462). Further committee recommended to withdraw IS 8299 after incorporating relevant portion in standard based on TED 22 (15462)</p>		
35.	<p>IS 8300: 1976</p> <p>Specification for towing hook for use between trailers of up to 35 tonnes gross mass and transport tractor</p>	<p>25th meeting Status: Document TED 22 (18939) W was shared in wide circulation dt. 20.09.2022 for 60 days. No comments are received on draft document.</p> <p>25th meeting Decision: Committee decided to process the document for publication and authorized member secretary to carry out editorial correction, if any.</p>	<p>It is observed that IS 1364: 1967 is referred in IS 8300 for bolt (M 20× 1.5P)</p> <p>IS 1364 :1967 has been revised and published as IS 1364 Part 1, Part 2, Part 3, Part 4, Part 5 and Part 6).</p> <p>(M 20× 1.5P) could not be traced, committee may please deliberate for reference and updating of draft document</p>	<p>Committee deliberated and requested Panel 4 to update the draft document. It decided that updated draft document to be processed into wide circulation for 30 days.</p>
36.	<p>IS 8752: 1978</p> <p>Specification for towing hook for use between trailers of up to 5 tonnes gross mass and transport tractor</p>	<p>25th meeting Status: Document TED 22 (19077) W was shared in wide circulation dt. 20.09.2022 for 60 days. No comments are received on draft document.</p> <p>25th meeting Decision: Committee decided to process the document for publication and authorized member secretary to carry out editorial correction, if any.</p>	<p>It is observed that IS 1364: 1967 is referred in IS 8752 for bolt (M 12× 1.5P)</p> <p>IS 1364 :1967 has been revised and published as IS 1364 Part 1, Part 2, Part 3, Part 4, Part 5 and Part 6).</p> <p>(M 12× 1.5P) could not be traced, committee may please deliberate for reference and</p>	

			updating of draft document	
37.	IS 8790 (Part 1): 1978 General requirements of powered industrial trucks working in hazardous areas: Part 1 internal combustion engine powered trucks	25th meeting Status: Document TED 22 (19030) W was shared in wide circulation dt. 20.09.2022 for 60 days. No comments are received on draft document. 25th meeting Decision: Committee decided to process the document for publication and authorized member secretary to carry out editorial correction, if any.	F- Draft is under preparation, it will be processed to publication, shortly. Committee may please note the status of the document.	Committee noted the information given in the agenda
38.	IS 8790 (Part 2): 1978 General requirements of powered industrial trucks working in hazardous areas: Part 2 electric - Battery - Powered industrial trucks	25th meeting Status: Draft document is under preparation. In IS 8790-2 reference of IS 5755: 1970 is mentioned, however IS5755 <i>Mineral insulated aluminium sheathed cables with aluminium conductors</i> has been withdrawn. 25th meeting Decision: Committee noted the information given in the agenda and directed Member secretary to forward IS 5755: 1970 to Sh Rizwan Khan. Further committee requested Sh Rizwan khan to provide relevant part of IS 5755: 1970 to include in draft documents and authorized BIS to process the document in wide circulation for 60 days, once the input is received from KION.	Input from Shri Rizwan khan (KION) is awaited. KION is kindly requested to submit the relevant portion for updating the draft. Committee may please note.	Committee requested M/s KION to provide the input within 14 days, for issuing the draft into WC for 60 days.
39.	IS 8903: 1978 Specification for drawbars for trailers of up to 5 tonnes gross mass	25th meeting Status: Document TED 22 (19078) W was shared in wide circulation dt. 20.09.2022 for 60 days. No comments are received on draft document.	Draft document TED 22 (19078)F has been submitted to HTED for approval to process in Publication.	Committee noted the information given in the agenda

		<p>25th meeting Decision: Committee decided to process the document for publication and authorized member secretary to carry out editorial correction, if any.</p>	<p>Committee may please note the status of the document.</p>	
40.	<p>IS 9075: 1979</p> <p>Stability tests for side loader trucks</p>	<p>25th meeting Status: Document TED 22 (19079) W was shared in wide circulation dt. 13.12.2022 for 60 days. No comments are received on draft document.</p> <p>25th meeting Decision: Committee decided that if no comments are received within circulation time, member secretary to process the document for publication and authorized member secretary to carry out editorial correction, if any.</p>	<p>Draft document TED 22 (19079)F has been submitted to HTED for approval to process in Publication.</p> <p>Committee may please note the status of the document.</p>	<p>Committee noted the information given in the agenda</p>
41.	<p>IS 9099 (Part 1): 1979</p> <p>Performance testing of powered industrial trucks workinG in hazardous areas: Part 1 - Internal combustion engine powered</p>	<p>25th meeting Status: Document TED 22 (19021) W was shared in wide circulation dt. 13.12.2022 for 60 days. No comments are received on draft document.</p> <p>25th meeting Decision: Committee decided that if no comments are received within circulation time, member secretary to process the document for publication and authorized member secretary to carry out editorial correction, if any.</p>	<p>Draft document TED 22 (19021)F has been submitted to HTED for approval to process in Publication Committee may please note the status of the document.</p>	<p>Committee decided to put the publication on hold. Further it requested BIS and ARAI to look for international standards available, if any from which assistance could be taken to update the draft document, considering the Indian condition.</p> <p>It also requested Godrej and KION to review and submit comments.</p> <p>Committee requested Panel 1 to deliberate further based on input received.</p>
42.	<p>IS 9099 (Part 2): 1980</p> <p>Performance testing of powered industrial</p>	<p>25th meeting Status: Document TED 22 (19022) W was shared in wide circulation dt. 20.09.2022 for 60 days. No comments</p>	<p>Draft document TED 22 (19022)F has been submitted to HTED for approval to process in Publication</p>	

	trucks working in hazardous areas: Part 2 electric battery powered industrial trucks	are received on draft document. 25th meeting Decision: Committee decided to process the document for publication and authorized member secretary to carry out editorial correction, if any.	Committee may please note the status of the document.	
43.	IS 9760: 1981 Dimensions for coupling arrangements between towing vehicle and trailer	25th meeting Status: Document TED 22 (18940) W was shared in wide circulation dt. 20.09.2022 for 60 days. No comments are received on draft document. 25th meeting Decision: Committee decided to process the document for publication and authorized member secretary to carry out editorial correction, if any.	F- Draft is under preparation, it will be processed to publication, shortly. Committee may please note the status of the document.	Representative from M/s Ashok Leyland, informed that all requirement of IS 9760 are covered in draft document TED 22 (15462). Committee decided to put the publication on hold. Committee requested Ashok Leyland and ARAI to review IS 9760 and provide suitable draft within 2 month, to Panel 4 for further deliberation for amendment in Indian Standard (which will be published from TED 22-15462),.
44.	IS 11683 : 1986 Methods of test for industrial tractors	25th meeting Status: P-Draft (TED 22 20787P) was shared on 15.10.2022. No comments are received on draft document. 25th meeting Decision: Committee decided to process the document in Wide circulation of 60 days. Further, it was decided that If no comment are received in wide circulation period, the document to be processed for publication	Draft Document TED 22 (20787) W is attached at Annex- 6 . Committee may please deliberate to update Table 1 and 2 to bring clarity and to update as per IS 12.	Committee deliberated and modified the draft. Modified Tables are attached at Annex 1.
45.	IS 11757 : 1986 General requirements and acceptance criteria	25th meeting Status: P-Draft (TED 22 20783P) was shared on 15.10.2022. No comments are received on draft document.	While processing the document in WC, it was observed that IS 7617: 1984 (Code of practice for	Committee requested M/s Godrej, M/s KION and M/s Tusker to review IS 7617 and IS 14770.

	for forklift trucks with capacity from 10000 kg to 50000 kg	<p>25th meeting Decision: Committee decided to process the document in Wide circulation of 60 days. Further, it was decided that If no comment are received in wide circulation period, the document to be processed for publication</p>	<p>maintenance of forks for forklift trucks) is referred in the standard, which has been withdrawn. Committee may please deliberate and update the document to issue in WC.</p>	<p>Committee requested Panel 1 to deliberate and update the draft document within 2 months and submit to BIS.</p> <p>Committee decided to circulate the updated draft document in WC for 60 days with approval of Chairperson.</p>
46.	<p>IS 12157 : 1987</p> <p>Requirements for construction of work platform of powered industrial trucks (For Maintenance Purposes)</p>	<p>25th meeting Status: P-Draft (TED 22 20780P) was shared on 15.10.2022. No comments are received on draft document.</p> <p>25th meeting Decision: Committee decided to process the document in Wide circulation of 60 days. Further, it was decided that If no comment are received in wide circulation period, the document to be processed for publication</p>	<p>Draft document TED 22 (22780) has been submitted to HTED to issue in WC for 60 days.</p> <p>Committee may please note the status of the document.</p>	<p>Committee noted the information given in the agenda.</p>
47.	<p>IS 13327 : 1992</p> <p>Automotive vehicles - Anchorages for towing ropes, cables or bars - Specification</p>	<p>25th meeting Status: Review report was circulated dt. 07.12.2022. Attached at Error! Reference source not found.</p> <p>25th meeting Decision: Committee decided to align the standard with ISO and include the marking clause as proposed in draft document. Further committee requested TML, SDR Auto and Ashok Leyland to review IS 13327 and to suggest if any further change/modification is required in draft document within 30 days. Comment received from them to be included in draft document and draft</p>	<p>Input was sought from TML, SDR Auto and Ashok Leyland wide mail dated 13/6/2023. No input was received.</p> <p>As decided during 25th meeting, the draft document TED 22 (23309) has been issued in P-Draft circulation for 30 days.</p> <p>Circulation date: 21.8.2023</p> <p>Committee may please note the status of the document.</p>	<p>Representative from M/s Ashok Leyland pointed out that requirement of vehicles with total weight more than 3.5 tonnes are not covered in IS 13327.</p> <p>Committee requested M/s Tata Motor Limited and M/s Ashok Leyland to review ISO 8035 keeping in mind the requirement given in IS 9760 and submit their input before next meeting, regarding adoption of ISO 8035.</p> <p>Committee deliberated on draft TED 22(23309) and decided that in case of no comment is received within P-Draft circulation</p>

		document to be shared in P-Draft circulation of 30 days.		period, it to be issues into WC for 60 days
48.	IS 14945: 2001 Counter balanced trucks handling freight containers of 6 m length and above - Additional stability tests	25th meeting Status: Review report awaited 25th meeting Decision: Member Secretary informed the committee that IS 14945: 2001 is based on and is in conformity with ISO 10525:1997 and ISO 10525: 1997 has been revised by ISO 22915-9. Further adoption of ISO 22915-9 is under process by TED 22 committee. Committee decided that IS 14945: 2001 to be withdrawn after publication of draft document TED 22 (19369).	Document TED 22 (19369) has been published as IS/ISO 22915-9. Committee may please note it.	Committee noted the information given in the agenda.
49.	IS 15101 : 2002 Transport tractors and trailers fifth wheel couplings - Strength tests	25th meeting Status: Document would be processes for withdrawal after publication of TED 22(15462). 25th meeting Decision: Committee noted the information given in agenda.	Draft document TED 22 (15462) F is under preparation for forwarding to publication.	Committee noted the information given in the agenda.
50.	IS 6763 (Part 1): 1987 Specification and testing for fifth wheel king pin for semi - Trailers: Part 1 size 50 (First Revision)	25th meeting Status: Review report awaited from Mr. B. Ramesh, SDR AUTO 25th meeting Decision: Committee noted the input given by Sh B Ramesh, SDR Auto. Committee decided to reaffirm IS 6763 Part 1 and Part 2 as of now.	Draft document TED 22 (15462) F is under preparation for forwarding to publication. Committee may please note.	Committee requested ARAI to submit the relevant portion from IS 6763 Part 1 and Part 2 for amendment in Indian Standards (which will be published from document TED 22 (15462)F)
51.	IS 6763 (Part 2): 1987 Specification and testing for fifth wheel king pin for semi - Trailers: Part 2 size 90 (First	Committee recommended to align IS 6763 (Part 1 and 2) and standard on TED 22 (15462) based on worst case criteria. This to be done		

	Revision)	<p>through amendment in standard (TED 22 15462).</p> <p>Committee requested ARAI to look the standard based on TED 22 (15462) and IS 6763 Part 1 and part 2 and provide draft document for the above.</p> <p>It was also recommended that after inclusion of relevant portion as amendment in standard based on TED 22 (15462), committee may discuss again for withdrawal/retention of IS 6763 Part 1 and Part 2.</p>		
52.	<p>IS 7217 : 1990</p> <p>Classification and nomenclature of powered industrial trucks (First Revision)</p>	<p>25th meeting Status:</p> <p>P-Draft was shared on 15.10.2022.</p> <p>25th meeting Decision:</p> <p>Committee decided to process the document in wide circulation of 60 days</p>	<p>F- Draft (TED/22/20779) F is under preparation, it will be processed to publication, shortly.</p> <p>However, during panel meeting dated 18.8.2023, panel recommended to revise IS 7217 by adopting ISO 5053-1.</p> <p>Committee may please deliberate on panel recommendation.</p>	<p>Committee deliberated on Panel recommendation and decided to drop the draft document TED/22/20779.</p> <p>Further, for revision of IS 7217: 1990, committee decided to adopt IS 5053-1: 2020. Further it decided to circulate the draft document into wide circulation for 60 days.</p>
53.	<p>IS 7774 (Part 1): 1975</p> <p>Glossary of terms relating to transport tractors and trailers: Part 1 basic terms</p>	<p>25th meeting Status:</p> <p>Panel meeting was held on 21st of December 2022. Minutes of the meeting is attached at Annex-2</p> <p>25th meeting Decision:</p> <p>Committee did not accede the panel recommendation and requested Panel convenor to have a panel meeting again on review documents. Committee further decided to process the documents in wide</p>	<p>A panel meeting is scheduled on 25/8/2023 to finalize the panel recommendation. Minutes of the meeting will be shared after 25/8/2023. Committee may please deliberate on panel recommendation for revision of IS 7774-1..</p>	<p>Minutes of the panel meeting was circulated with committee members vide mail dated:29/8/2023</p> <p>Panel convenor briefed the panel recommendation. Committee accepted panel recommendation and requested TML to update the draft incorporating the agreed comments for issuing in WC for 60 days.</p>

		circulation of 60 days, once the panel recommendation is received.		Committee decided that if no comments are received within wide circulation period, member secretary to process the document in publication. Further committee authorized member secretary to carry out editorial correction, if any
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ITEM 4 REVIEW OF PUBLISHED STANDARDS

4.1 Committee noted the information given in the agenda.

4.2 Committee noted the information given in the agenda and decided as follows

IS No.	Title	Allocated to	Remarks	Status	Committee decision
IS 10752 : 1983	Dimensions and testing requirements of landing gear for mounting on semitrailers	SDR+AR AI	Committee requested SDR and ARAI to expedite the review	Review report is awaited from members.	ARAI mentioned that they (ARAI and SDR Auto) have carried out the review and revision is required in IS 10752. Committee requested ARAI and SDR Auto to prepare the revised draft. Further committee requested Panel 4 to deliberate on draft document and provide its recommendation.
IS 13284 : 1992	Automotive vehicles - Drawbar couplings and eyes for hinged drawbars - Method of test for strength	Mr. Prabhakaran, WABCO	Committee re-allocated the review of IS 13284:1992 to Dr B Ramesh (SDR Auto)		Committee requested SDR Auto to expedite the review.
IS 13544 : 1992	Trailers - Mounting of ball bearing turn table - Dimensions	Review is allocated to BIS Officer (Sh. S Dayanand) as ARP	Committee requested BIS to expedite the review		Dr B Ramesh mentioned that Turn table is an important component of trailer and is being manufactured locally also. Committee requested BIS Officer to expedite the review.
IS 13971 (Part 1) : 1994	Rough terrain fork lift trucks - Code of practice for	Godrej+KION	Committee requested members to expedite the review		Committee requested M/s Godrej and M/s KION to complete the review within 1 month.

	safety: Part 1 application, operation and maintenance				Further committee requested Panel 1 to deliberate on review report received from M/s KION and M/s Godrej for further recommendation.
IS 13971 (Part 2) : 1994	Rough terrain fork lift trucks - Code of practice for safety: Part 2 general requirements	Godrej+KION	Committee requested members to expedite the review		

4.3 Committee deliberated and allocated the standards for review to committee members as follows:

IS No.	Title	Allocated to
IS 6876: 2019	Fork - Lift trucks - Fork arms - Technical characteristics and testing (Second Revision)	Committee deliberated and decided to reaffirm IS 6876. Further, it requested ARAI to review IS 6876 and ISO 2330:2002 and compare the requirements given in two standards, for clearly mentioning the deviation from ISO in the foreword through amendment in IS 6876:2016.
IS 7553: 2003 ISO 3287: 1999	Control symbols for powered industrial trucks - Specification First Revision	Committee decided to reaffirm.
IS 13302: 2018 ISO 8379:1998	Industrial trucks - Verification of stability Part 1 rough – Terrain	
IS 9701: 2019	Powered industrial trucks and tractors - Brake performance and component strength (Second Revision)	BIS
IS 7774 (Part 2): 2003	Glossary of terms relating to transport tractors and trailers Part 2 dimensions First Revision	TML

ITEM 5 INTERNATIONAL ACTIVITIES

5.1 Committee noted the information given in the agenda. Further, considering the significance of subject, committee decided to become O Member in ISO/TC110/SC 4 and ISO/TC110/SC 5.

5.2 Committee noted the information given in the agenda.

5.3 ISO Standards

Committee noted the information given in the agenda. Committee requested BIS to prepare a detailed list of ISO standard, segregating adopted and non-adopted standards. Further committee requested Panels to deliberate on need of adoption of remaining ISO standards.

5.4 Committee deliberated and authorized Member Secretary to participate in ISO TC 22 SC 40 meetings.

ITEM 6 PROCESS REFORMS AT BIS

Member Secretary briefed the process reforms initiated by BIS. Presentation on process reform is attached herewith. Committee appreciated the initiatives taken by BIS for strengthening the standardization activity and endorsed the meetings planning, identified journal for purchase, Annual action plan etc.

ITEM 7 ROAD MAP OF STANDARDIZATION WORK OF TED 22

Committee noted the information given in the agenda. For time being, committee decided to concentrate on development of safety requirements standards and revision of existing standards (wherever required).

ITEM 8 DATE FOR THE NEXT MEETING

Committee decided to hold the next meeting in February 2024, exact date and venue to be decided in consultation with Chairman TED 07.

ITEM 9 ANY OTHER BUSINESS

9.1 Member Secretary briefed about document received from Principal of Scientific Advisor on Zero Emission Trucking. Committee requested BIS to circulate the document with members.

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

Annex-1

Table 1 Drawbar Tests (Tractor with Spark-Ignition Engine)
(Clause 5.2.6, 5.2.12, and 5.2.12.1)

Rated engine speed =rev/min											
Gear	Horse Power	Drawbar Pull	Engine Speed	Speed	Slip of Tracks	Temperature			Atmospheric Conditions		
						Lubricating oil	Coolant	Fuel	Dry Bulb temperature	Wet Bulb temperature	Pressure
(1)	(2)	(3)	(4) N rev/min	(5) Km/h	(6) percent	(7) °C	(8) °C	(9) °C	(10) °C	(11) °C	(12) mbar
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—

- a) Maximum power (rich mixture):
- b) Maximum power (normal mixture):
- c) Power at rated engine speed (normal mixture):
- d) Ten-hour test (normal mixture) at 75 percent of maximum drawbar power:
- e) Fuel consumption and maximum sustained pull (MSP):

Table 2 Drawbar Tests (Tractor with Spark-Ignition Engine)

Gear	Optimum Fuel Consumption		Range of Pull Over which Fuel Consumption is within 10 percent of Optimum	MSP	Factor Limiting MSP	Atmospheric Conditions		
	Drawbar hp hour/litre	Kg per drawbar hp hour				Dry Bulb temperature	Wet Bulb temperature	Pressure
(1)	(2)	(3)	(4) N	(5) N	(6)	(7) °C	(8) °C	(9) mbar
—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—

NOTE — mbar = 100 N/m² = 100 Pa

Table 3 Drawbar Tests (Tractor with Compression- Ignition Engine)
(Clause 5.2.6, 5.2.12 and 5.2.12.1)

Rated engine speed =rev/min											
Gear	Horse Power	Drawbar Pull	Engine Speed	Speed	Slip of Tracks	Temperature			Atmospheric Conditions		
						Lubricating oil	Coolant	Fuel	Dry Bulb temperature	Wet Bulb temperature	Pressure
(1)	(2)	(3)	(4) N rev/min	(5) Km/h	(6) percent	(7) °C	(8) °C	(9) °C	(10) °C	(11) °C	(12) mbar

- a) Maximum power:
- c) Power at rated engine speed:
- d) Ten-hour test — at 75 percent of maximum drawbar power:
- e) Fuel consumption and maximum sustained pull (MSP):

Table 4 Drawbar Tests (Tractor with Spark-Ignition Engine)

Gear	Optimum Fuel Consumption		Range of Pull Over which Fuel Consumption is within 10 percent of Optimum	MSP	Factor Limiting MSP	Atmospheric Conditions		
	Drawbar hp hour/litre	Kg per drawbar hp hour				Dry Bulb temperature	Wet Bulb temperature	Pressure
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—

NOTE — mbar = 100 N/m² = 100 Pa

