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**BUREAU OF INDIAN STANDARDS**  
**MINUTES**

<b>Name of the Committee</b>	<b>No. of Meeting</b>	<b>Day</b>	<b>Date</b>	<b>Time</b>	<b>Venue</b>
Lifts, Escalators and Moving Walks Sectional Committee, ETD 25	32 <sup>nd</sup>	Thursday	October 24, 2024	10:30 h	Hybrid (VMCC Hall, IIT, Bombay)

**CHAIRPERSON: Shri Sandeep Arvind Patil      MEMBER SECRETARY: Ms. Meghna Mudgal**

**Item 0 GENERAL**

**0.1 WELCOME AND OPENING REMARKS BY THE CHAIRMAN**

Shri S.A.Patil, Chairperson welcomed all the members present in the meeting. He asked the members to participate actively in the discussions during the course of the meeting and appreciated the efforts of all active participants in the committee.

Smt. Meghna Mudgal, Member Secretary welcomed all the members present in the meeting and briefed about the agenda items of the meeting.

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

The minutes of the 31st Meeting of Lifts, Escalators and Moving Walks Sectional Committee ETD 25 held on 12 April 2024 were confirmed by the committee.

**Item 2 COMPOSITIONS OF LIFTS, ESCALATORS AND MOVING WALKS SECTIONAL COMMITTEE, ETD 25**

**2.1** The committee reviewed the composition of the committee and the panel.

- a) It was decided to co-opt Electrical Inspectorates of following states in the committee so as to have active participation from states with Lift Acts and Rules in place:
  - i) Electrical Inspectorate, U.P
  - ii) Electrical Inspectorate, Kerala
  - iii) Electrical Inspectorate, Bihar
  - iv) Electrical Inspectorate, Himachal Pradesh
  - v) Electrical Inspectorate, Jharkhand
- b) It was decided to write to the Govt. departments having inadequate participation in the committee one last time and if no response is received, their membership from the committee is to be removed/cancelled.
- c) Members of the panel were also informed that only 1 representative from 1 organization is to be nominated in the panel. All Panel P4 members to send their revised nominations as per the above information.

**2.2** It was decided to remove National Safety Council and DLF from the committee due to lack of participation.

**2.3** It was decided to co-opt Mitsubishi in the committee based on their contribution in the Panel P4. Further, it was decided to include more MSMEs in the Panel P4 and working groups, especially from the area of hydraulic lifts. Once included in the Panel and working groups, it was decided to evaluate the performance of each of the MSMEs for their further inclusion in the sectional committee.

#### **2.4 Identification of Sectors, Sub-sectors and sub-sub-sectors in Sectional Committee**

The committee agreed to review the sector, sub-sector classification given in Annex 2 of the agenda and submit the following proposals for final consideration and approval of sectional committee:

- a) Indicate approval/propose changes in the classification shared by MS.
- b) In case, changes are proposed in a) above, indicate the Indian Standards (from ETD 25 POW) to be shifted to each of the sectors.
- c) Composition of each of the sector/sub-sector to be proposed.
- d) Allocate clearly the scope of work and tasks to each Panel and Working Group.
- e) Allocate time lines to already identified tasks in this sectional committee meeting.

*The above task shall be spearheaded and completed by Panel P4 in 15 days so that scope of each new working group does not overlap with each other and the recommendation of the panel based on due deliberation shall be reviewed by the sectional committee in its meeting scheduled in the 1 month's time.*

Further, it was proposed to have Mr Tipnis as the convener of the newly formed/to be formed working groups so that the documents drafted under each Panel/WG have a general state of uniformity before submission to the sectional committee.

#### **Item 3 PRESENT POSITION OF WORK OF ETD 25**

**3.1** The committee noted the information given in the agenda.

**3.2** The committee noted the information given in the agenda.

**3.3** Status of progress of work w.r.t APS 2024-2025 was noted by the committee.

#### **4 COMMENTS ON PUBLISHED INDIAN STANDARDS**

**4.1** The committee re-iterated that the IS 17900 does not restrict the use of hydraulic buffers and decided to clarify the above again to the repeat request of M/s Oleo Buffers.

#### **4.2 Proposed amendment to IS 17900 (Part 1) w.r.t travelling cable**

The committee decided to request ETD 09 to consider revision of IS 4289 (Part 2) in line with the latest IEC 60227-6. The committee also approved the nomination of Mr U Viswanathan, M/s Kone and Mr Vishnu Parashar, M/s TK Elevator to ETD 09 for this particular agenda point subject to agreement and approval of ETD 09 committee, so as to have the view point of lift stakeholders represented aptly while development of standards on the subject of travelling cables for lifts.

#### **Item 5 P-DRAFTS APPROVED FOR CIRCULATION**

**5.1** The committee approved the following drafts for P-draft circulation among ETD 25 committee members for a period of 1 month:

- i) IS 17900 (Part 7/Sec 7) Lifts for the Transport of Persons and Goods: Part 7 Lifts for Special Applications, Section 7 Lifts under **Seismic Conditions (NEW)**

**5.2 -DRAFT APPROVED FOR WORKING DRAFT DEVELOPMENT**

The committee approved the following new work items to be initiated for Working Draft preparation:

- i) Safety rules for the construction and installation of lifts – Special lifts for the transport of persons and goods – Stairlifts and inclined lifting platforms intended for persons with impaired mobility (**NEW**) –
  - It was decided to draft a 2 different sections (viz. IS 17900 (Part X/Sec 1) and IS 17900 (Part X/Sec 2) addressing vertical lifting platforms and powered stairlifts respectively.
  - Adhoc Working Group to be created with composition including : Convener – Mr Tipnis Members – Mr Raju Joseph Pulikkunnel (M/s Aarding India) + 2 members to be identified and finalized based on sector/sub-sector classification.
  
- ii) IS 17900 (Part 7/Sec 3) Lifts of the transport of persons and goods Part 7: Lifts for special application, Section 3: Private residence lifts (Home lifts) (*Superseding IS 15259*) (**REVISION**)
  - It was decided to drop Doc: ETD 25 (24463) and draft a fresh new working draft on the subject
  - Panel P4 to complete the task.
  
- iii) IoT Solutions/Remote Monitoring (**NEW**)
  - It was decided to prepare a working draft on the subject and use the same draft for addressing this section under AWI 8100-11 under ISO TC 178. Mr U Viswanathan was identified and approved as the designated expert on this project from India.
  - WG 2 to complete the task.
  
- iv) ISO 8103-1: 2024 Escalators and moving walks: Part 1 Safety requirements (**REVISION** of IS 4591 (Part 1/Sec 1 to 3)
  - It was decided to review ISO 8103-1 : 2024 from the Indian perspective and assess the need to make any changes w.r.t India specific conditions.
  - WG 3 to complete the task.

**Item 6 DRAFTS FOR APPROVAL FOR WIDE CIRCULATION**

The committee noted the information given in the agenda.

**Item 7 DRAFTS APPROVED FOR PRINTING**

The committee approved the following documents for printing:

Sl no.	Draft Indian Standard title	Action reported in the agenda	Decision taken
1.	Draft IS 17900 (Part 5) Lifts for The Transport of Persons and Goods Part 5 Guide for Inspection of Lifts ( <i>Superseding IS 14665 Part 5:1999</i> )	Comments have been incorporated. Draft is enclosed at Annex 7.	The committee approved the document for printing.

2.	Draft IS 17900 (Part 7/Section 6) Lifts for Transport of Persons and Goods Part 7 Lifts for Special Applications Section 6 Occupant Evacuation Lifts	The document was circulated to over 100 fire officials through emails for examination on 02 Oct till 20 Oct 2024.  No comments have been received so far.	There being no comments on the document from fire officials, the committee approved the draft for printing.
3.	Draft IS 17900 (Part 11) Lifts for The Transport of Persons and Goods Part 11: Safety Norms for Existing Lifts Risk Assessment and Risk Reduction ( <i>Superseding IS 17491: 2020</i> )	Comments have been incorporated. Draft is enclosed at Annex 8.	The committee approved the document for printing.
4.	Draft IS 17900 (Part 3/Sec 2) Lifts for The Transport of Persons and Goods Part 3: Specifications For Planning And Selection Section 2: Goods & Automobile Lifts	Comments have been incorporated. Draft is enclosed at Annex 9.	The committee approved the document for printing.
5.	Draft IS 17900 (Part 10) Lifts for The Transport of Persons and Goods Part 10 Replacement of Existing Passenger and Goods Passenger Lifts in Existing Buildings	Panel P4 has submitted the document proposed for finalization which is enclosed at Annex 10.	The committee approved the document for printing.
6.	Draft IS 17900 (Part 7/Sec 4) Lifts for The Transport of Persons and Goods Part 7 Lifts for Special Applications Section 4 Lifts for Persons with Disabilities ( <i>Superseding IS 15330</i> )	Letter and mail had been sent to Dept. of Empowerment of Persons with Disabilities for seeking confirmation w.r.t use of correct terminology in the standard title and its content.  No confirmation/comments have been received so far.  Draft is enclosed at Annex 11.	The committee agreed that the Act itself reads - The Rights of Persons with Disabilities Act, 2016.  Hence, it was agreed that the terminology is in line with the Act and hence the committee approved the draft for printing.
7.	Draft IS 17900 (Part 4) Lifts for the Transport of Persons and Goods Part 4 Control devices, signals and additional fittings	Comments have been incorporated. Draft is enclosed at Annex 12.	The committee approved the document for printing.
8.	Draft IS 17900 (Part 7/Sec 2): Lifts for the Transport of Persons and Goods: Part 7 Lifts for Special Applications, Section 2 Rack and	Document shall be processed for printing along with above mentioned documents as they make reference to each other.	The committee approved the document for printing.

	Pinion Lifts used in Under-Construction Buildings		
9.	Draft IS 17900 (Part 7/Sec 1) Lifts for the transport of persons and goods: Part 7 Lifts for special applications Section 1 Lifts Used in Under-Construction Buildings	The finalized draft is under editing and ready for publication.	The committee approved the document for printing.

### **Item 9 NWIP ON AIR DRIVEN ELEVATOR**

The committee decided that a detailed deliberation and assessment of the comparative report submitted by M/s Nibhav is required in order to establish how safety is addressed w.r.t provisions of IS 17900 (Part 1 and 2). Panel P4 agreed to review the document thoroughly and submit its recommendation to the committee.

### **Item 10 INTERNATIONAL ACTIVITIES**

#### **10.1 Identification of ISO publications for harmonization**

The committee noted the information given in the agenda.

#### **10.2 Designation of Indian Experts at IEC Projects**

- a) The committee in principle agreed with the level of interest indicated in the agenda for the new and ongoing projects of ISO TC 178 except for ISO/WD TS 8100-10 wherein the committee decided to change the level of interest to “medium”.
- b) It was decided to nominate Mr U Viswanthan as designated Indian Expert for the draft AWI ISO TS 8100-11 Lifts for the transport of persons and goods — Part 11: Interoperability between lift and other systems so that the relevant part w.r.t remote monitoring could be drafted by him as an Indian expert in the document.

#### **10.3 Details of WG/MT under ISO TC 178 and experts nominated from India**

- a) The committee approved the nomination of following experts to ISO TC 178 Working Groups:
  - i) Mr U Viswanthan, M/s Kone – WG 4, WG 6, WG 12, WG 13
  - ii) Mr Nitin Kadam, M/s Schindler – WG 12

Members nominated above were advised to abide by Item 10.3 of agenda for their roles and responsibilities as experts nominated from India.
- b) The committee decided to delete nominations of Shri M. Balasubramanian (no longer member of ETD 25) and Shri Nimish V. Deshpande (nomination replaced by Mr Nitin Kadam already) in WG 5.

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

#### **10.5 Comments on Published or under development ISO standards**

##### **i) Comments on draft ISO 8100-2 from Mr Manokar**

The committee approved the comments to be sent to ISO TC 178 secretariat for consideration.

##### **ii) Comments on Draft under development – IoT Solutions**

See 10.2 b) above.

**iii) Comment to ISO TC 178 for considering adoptions of following EN standards (under Vienna agreement) on wire rope terminations**

The committee agreed that this area does not fall under the scope of ISO TC 178 and falls under the purview of MED. Members already nominated in the MED committee were advised to take the matter in the concerned committee of MED to avoid conflict of scope of work.

**iv) Comment on ISO 7465: 2007**

The committee noted that ISO 8100-33 was published in 2022. Earlier edition of this standard (ISO 7465:2007) has been adopted as IS 17806:2022. While considering revision of IS 17806 to adopt revised ISO 8100-33, The committee has discussed and decided to propose to ISO TC 178 to add certain type of rails viz. T65/A, T70/B & T82/B in this international standard, so that ETD 25 can then proceed with identical adoption of ISO 8100-33:2022.

**Annex 1 of these minutes** illustrates T65/A, T70/B & T82/B guide rail technical characteristics, dimensions & tolerances to be appended in the existing standard, as these types are widely used in India and other APAC countries.

The following summarized proposal was agreed to by the committee:

- a. Proposal to add T65/A Rail technical characteristics, dimensions, and tolerances in table 5 & table 6 respectively.
- b. Proposal to add T70/B & T82/B Rail technical characteristics, dimensions, and tolerances in table 7 & table 8 respectively.
- c. Proposal to add the fish plate dimensions for T65/A, T70/B & T82/B in table 11.
- d. Update “n” dimension is 25.4 mm as per manufacturer’s catalog (Savera as well Monteferro referred) for T82/B as against 34 mm in ISO document for T82/A.
- e. Update “m2” dimension is 2.95 mm as per manufacturer’s catalog (Savera as well Monteferro referred ) for T70/B, T75/B & T82/B as against 2.97 mm in ISO document for T82/A

## **10.6 New Work Item Proposals at ISO**

The committee decided to develop a working draft on “**Sustainability guidelines for lifts**” for further consideration of the committee for proposing the draft (if found in order) as NP to ISO TC 178.

The other subjects (Occupant evacuation lifts and Rack & Pinion Lifts) shall also be revisited after review by Panel P4.

## **Item 11 IMPLEMENTATION OF INDIAN STANDARD**

### **11.1 Implementation of 17900 (Part 1) & 17900 (Part 2)**

The committee recommended to propose a 1 year extension to BIS for concurrent running of IS 17900 (Part 1 and 2) alongside IS 14665 (Part 1, 2/Sec 1, 3/Sec 1, 4/Sec 1 to 9), IS 14671, and IS 15785, based on the progress of work reported and proposed plan of completion of transition submitted by 9 industry representations.

## **Item 12 DATE AND PLACE OF THE NEXT MEETING**

The committee decided to meet virtually in 1 month to finalize the sector, sub-sector classification (mentioned above at Sl no. 3). The final date shall be decided in consultation with the Chair of the committee.

## **Item 13 ANY OTHER BUSINESS**

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