BUREAU OF INDIAN STANDARDS

Program of Work

ETD 25 : Lifts, Escalators and Moving Walks

Scope: Standardization of all aspects including safety, of all types of lifts, dumb-waiters, escalators, moving walks, and similar apparatus, as well as components thereof. Excluded: continuous mechanical handling equipment and lifts in mines.

Liaison: **ISO TC-178 (P):** *Lifts, escalators and moving walks* **ISO TC-178 (P):** *Lifts, escalators and moving walks*

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 15259:2002	Installation and maintenance of home lifts - Code of practice	November, 2022	2	Indigenous
2	IS 17106 (Part 2):2022 ISO 8102-6:2019 ISO 8102-6:2019	Electrical requirements for lifts escalators and moving walks : Part 2 Programmable electronic systems in safety-related applications for escalators and moving walks PESSRAE		-	Identical under dual numbering
3	IS 17106 (Part 3):2022 ISO/TR 22201-3:2016 ISO/TR 22201-3:2016	Lifts Elevators Escalators and Moving Walks Programmable Electronic Systems in Safety Related Applications Part 3 Life Cycle Guideline for Programmable Electronic Systems related to PESSRAL and PESSRAE		-	Identical under dual numbering
4	IS 17515 (Part 1):2021 ISO 25745-1: 2012 ISO 25745-1: 2012	Energy performance of lifts escalators and moving walks Part 1: Energy measurement and verification identical to ISO 25745-1		-	Identical under dual numbering
5	IS 17515 (Part 2):2021 ISO 25745-2: 2015 ISO 25745-2: 2015	Energy performance of lifts escalators and moving walks Part 2: Energy calculation and classification for lifts elevators identical to ISO 25745-2		1	Identical under dual numbering
6	IS 17515 (Part 3):2021 ISO 25745-3: 2015 ISO 25745-3: 2015	Energy performance of lifts escalators and moving walks Part 3: Energy calculation and classification of escalators and moving walks identical to ISO 25745-3		-	Identical under dual numbering
7	IS 17518 (Part 2):2021 ISO 3008-2 : 2017 ISO 3008-2 : 2017	Fire-resistance tests : Part 2 Lift landing door assemblies		-	Identical under dual numbering

8	IS 17615 (Part 1):2021 ISO 18738-1 : 2012 ISO 18738-1 : 2012	Measurement of ride quality : Part 1 Lifts elevators		-	Identical under dual numbering
9	IS 17615 (Part 2):2021 ISO 18738-2 : 2012 ISO 18738-2 : 2012	Measurement of ride quality : Part 2 Escalators and moving walks		-	Identical under dual numbering
10	IS 17805 (Part 20):2024 ISO 8102-20:2022 ISO 8102-20:2022	Electrical Requirements for Lifts Escalators and Moving Walks Part 20: Cyber Security		-	Identical under dual numbering
11	IS 17805 (Part 1):2022 ISO 8102-1:2020 ISO 8102-1:2020	Electrical Requirements for Lifts Escalators and Moving Walks Part 1 Electromagnetic Compatibility With Regard To Emission		-	Identical under dual numbering
12	IS 17805 (Part 2):2022 ISO 8102-2:2021 ISO 8102-2:2021	Electrical requirements for lifts escalators and moving walks Part 2 Electromagnetic compatibility with regard to immunity		-	Identical under dual numbering
13	IS 17806:2022 ISO 7465:2007 ISO 7465:2007	Passenger lifts and service lifts Guide rails for lift cars and counterweights T-type		-	Identical under dual numbering
14	IS 17900 (Part 20):2024	Lifts for the transport of persons and goods : Part 20 Dumbwaiters - Specifications and safety rules for planning installation operation and maintenance		-	Indigenous
15	IS 17900 (Part 7/Sec 1):2025	Lift for the Transport of Person and Goods Part 7 Lifts for Special Applications Section 1 Lifts Used Under-Construction Buildings		-	
16	IS 17900 (Part 7/Sec 4):2025	Lifts for the Transport of Persons and Goods Part 7 Lifts for Special Applications Section 4 Requirements of Lifts for Persons with Disabilities		-	
17	IS 17900 (Part 7/Sec 2):2025	IS 17900: LIFTS FOR THE TRANSPORT OF PERSONS AND GOODS: PART 7: LIFTS FOR SPECIAL APPLICATIONS: SECTION 2: RACK AND PINION LIFTS USED IN UNDER-CONSTRUCTION BUILDINGS		-	
18	IS 17900 (Part 3/Sec 2):2025	LIFTS FOR THE TRANSPORT OF PERSONS AND GOODS PART 3: SPECIFICATIONS FOR PLANNING AND SELECTION : Section 2: Goods Automobile Lift		-	
19	IS 17900 (Part 3/Sec 1):2023	Lifts for the Transport of Persons and Goods: Part 3 Specifications for Planning and Selection Section 1 PassengerServiceHospital BedStretcher Lifts		-	Indigenous
20	IS 17900 (Part 6):2022	Lifts for the Transport of Persons and Goods : Part 6 Guide for Maintenance of Lifts		1	Indigenous
21	IS 17900 (Part 10):2025	Lifts for The Transport of Persons and Goods PART 10 Replacement		-	

		of Existing Passenger and Goods Passenger Lifts in Existing Buildings			
22	IS 17900 (Part 7/Sec 6):2025	LIFTS FOR TRANSPORT OF PERSONS AND GOODS IS 17900 PART 7 SECTION 6 OCCUPANT EVACUATION LIFTS SPECIFICATION		-	
23	IS 17900 (Part 4):2025	Lifts for the Transport of Persons and Goods Part 4 Specifications for Control Devices Buttons Signals Indicators and Other Fittings		-	
24	IS 17900 (Part 2):2022 ISO 8100-2 : 2019	Lifts for the transport of persons and goods Part 2: Design rules calculations examinations and tests of lift components		-	Modified/Technically Equivalent
25	IS 17900 (Part 1):2022 ISO 8100-1:2019	Lifts for the transport of persons and goods Part 1: Safety Rules		-	Modified/Technically Equivalent
26	IS 17900 (Part 5):2026	LIFTS FOR THE TRANSPORT OF PERSONS AND GOODS : PART 5 GUIDE FOR INSPECTION OF LIFTS		-	
27	IS 17900 (Part 11):2025	LIFTS FOR THE TRANSPORT OF PERSONS AND GOODS PART 11: SAFETY NORMS FOR EXISTING LIFTS RISK ASSESSMENT AND RISK REDUCTION		-	
28	IS 4591 (Part 1/Sec 1):2020 E 115 : 1995 + A1 :	Escalators and Moving Walks Part 1 / Section 1 Safety Requirements (First Revision)		-	Modified/Technically Equivalent
29	IS 4591 (Part 1/Sec 2):2020 EN 115	Escalators and Moving Walks Part 1 / Section 2 Guide for Planning and Selection (First Revision)		-	Modified/Technically Equivalent
30	IS 4591 (Part 1/Sec 3):2020 EN 115 : 1995 + A1 :	Escalators and Moving Walks Part 1 / Section 3 Inspection and Test (First Revision)		-	Identical under single numbering
31	IS 4591 (Part 2):2022	Escalators and Moving Walks : Part 2 Guide for Maintenance		-	Indigenous

Standards under Development

Projects Approved

SI. No.	Doc No.	Title
No Records Found		

Preliminary Draft Standards

SI. No.	Doc No.	Title
No Records Found		

Drafts Standards in WC Stage

SI. No.	Doc No.	Title
No Records Found		

Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
No Records Found		

Finalized Draft Indian Standard

SI. No.	Doc No.	Title
No Records Found		

Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
1	ETD 25 (11981) Revision of: IS 4591:1968	Escalators and moving walks Part 1Section 1 Safety requirements First Revision
2	ETD 25 (11982) Revision of: IS 4591:1968	Escalators and moving walks Part 1 Section 2 Guide for Planning and Selection First Revision
3	ETD 25 (11983) Revision of: IS 4591:1968	Escalators and moving walks Part 1 Section 3 Construction and Installation First Revision
4	ETD 25 (11992)	ELECTRIC TRACTION LIFTS --- REPLACEMENT OF EXISTING PASSENGER AND GOODS PASSENGER LIFTS IN EXISTING BUILDING
5	ETD 25 (12501)	Electric Traction Lifts - Safety Norms For Existing Lifts
6	ETD 25 (12502)	Amendment No 3 Electric Traction Lifts Part 4 Components Section 7 Lift Machines and Brakes And Amendment No 3 Electric Traction Lifts Part 4 Components Section 9 Controller and Operating Devices for Lifts
7	ETD 25 (12506)	Code of practice for Installation and maintenance of lift without conventional machine rooms Amendment - 2
8	ETD 25 (12509)	Lifts elevators escalators and moving walks Programmable electronic systems in safety-related applications Part 1 Lifts elevators PESSRAL
9	ETD 25 (12528) Revision of: IS 15330:2020	Requirements Of Lifts For Differently Abled Persons First Revision of IS 15330
10	ETD 25 (12637)	Electric Traction Lifts - Part 3 Safety Rules - Section 1 Passenger and Goods Lifts - Section 2 Service Lifts Amendment - 3
11	ETD 25 (15372)	Fire-resistance tests Part 2 Lift landing door assemblies
12	ETD 25 (16075) Revision of: IS 14665:2000	Lifts for the transport of persons and goods Part 1 Safety Rules
13	ETD 25 (16077) Revision of: IS 14665:2000	Lifts for the transport of persons and goods Part 2 Design rules calculations examinations and tests of lift components
14	ETD 25 (16086)	Energy performance of lifts escalators and moving walks Part 1 Energy measurement and verification identical to ISO 25745-1
15	ETD 25 (16087)	Energy performance of lifts escalators and moving walks Part 2 Energy calculation and classification for lifts elevators identical to ISO 25745-2
16	ETD 25 (16088)	Energy performance of lifts escalators and moving walks Part 3 Energy calculation and classification of escalators and moving walks identical to ISO 25745-3
17	ETD 25 (16105)	Electrical requirements for lifts escalators and moving walks Part 2 Programmable electronic systems in safety-related applications for escalators and moving walks PESSRAE
18	ETD 25 (16106)	Measurement of ride quality Part 1 Lifts elevators
19	ETD 25 (16107)	Measurement of ride quality Part 2 Escalators and moving walks
20	ETD 25 (16905)	Lifts Elevators Escalators and Moving Walks Programmable Electronic Systems in Safety Related Applications Part 3 Life Cycle Guideline for Programmable Electronic Systems related to PESSRAL and PESSRAE
21	ETD 25 (16911)	Electrical Requirements for Lifts Escalators and Moving Walks Part 1 Electromagnetic

		Compatibility With Regard To Emission
22	ETD 25 (16924)	Passenger lifts and service lifts Guide rails for lift cars and counterweights T-type
23	ETD 25 (18075)	Electrical requirements for lifts escalators and moving walks Part 2 Electromagnetic compatibility with regard to immunity
24	ETD 25 (18458)	Installation and maintenance of home lifts - Code of practice - Amendment - 2
25	ETD 25 (18459)	Escalators and Moving Walks Part 2 Guide for Maintenance
26	ETD 25 (18475)	Lifts for the Transport of Persons and Goods Part 6 Guide for Maintenance of Lifts
27	ETD 25 (18483)	DRAFT AMENDMENT NO 4 NOVEMBER 2021 TO IS 14665 PART 3 SEC 1 2000 ELECTRIC TRACTION LIFTS PART 3 SAFETY RULES SECTION 1 PASSENGER AND GOODS LIFTS
28	ETD 25 (19161)	Lift for the Transport of Person and Goods Part 7 Lifts for Special Applications Section 1 Lifts Used Under-Construction Buildings
29	ETD 25 (19681)	Lifts for the transport of persons and goods Part 20 Dumbwaiters - Specifications and safety rules for planning installation operation and maintenance
30	ETD 25 (20490)	Lifts for the Transport of Persons and Goods Part 3 Specifications for Planning and Selection Section 1 PassengerServiceHospital BedStretcher Lifts
31	ETD 25 (24328)	LIFTS FOR THE TRANSPORT OF PERSONS AND GOODS PART 3 SPECIFICATIONS FOR PLANNING AND SELECTION Section 2 Goods Automobile Lift
32	ETD 25 (24343)	Lifts for the Transport of Persons and Goods Part 7 Lifts for Special Applications Section 4 Requirements of Lifts for Persons with Disabilities
33	ETD 25 (24387)	IS 17900 LIFTS FOR THE TRANSPORT OF PERSONS AND GOODS PART 7 LIFTS FOR SPECIAL APPLICATIONS SECTION 2 RACK AND PINION LIFTS USED IN UNDER-CONSTRUCTION BUILDINGS
34	ETD 25 (24445)	LIFTS FOR THE TRANSPORT OF PERSONS AND GOODS PART 11 SAFETY NORMS FOR EXISTING LIFTS RISK ASSESSMENT AND RISK REDUCTION
35	ETD 25 (24446)	Lifts for the Transport of Persons and Goods Part 4 Specifications for Control Devices Buttons Signals Indicators and Other Fittings
36	ETD 25 (24447)	Lifts for The Transport of Persons and Goods PART 10 Replacement of Existing Passenger and Goods Passenger Lifts in Existing Buildings
37	ETD 25 (24455)	LIFTS FOR THE TRANSPORT OF PERSONS AND GOODS PART 5 GUIDE FOR INSPECTION OF LIFTS
38	ETD 25 (24457)	LIFTS FOR TRANSPORT OF PERSONS AND GOODS IS 17900 PART 7 SECTION 6 OCCUPANT EVACUATION LIFTS SPECIFICATION
39	ETD 25 (24769)	Electrical Requirements for Lifts Escalators and Moving Walks Part 20 Cyber Security
40	ETD 25 (24981)	Lifts for the Transport of Persons and Goods Part 6 Guide for Maintenance of Lifts Amendment - 1
41	ETD 25 (33713)	Energy performance of lifts escalators and moving walks Part 2 Energy calculation and classification for lifts elevators identical to ISO 25745-2

Total Published Standards:31 Total Standards Under development:41

Aspect Wise Report

Product : 1
Code of Practices : 9
Methods of Test : 4
Terminology : 0
Dimensions : 0
System Standard : 0
Safety Standard : 3
Others : 5
Service Specification : 0
Process Specification : 0
Unclassified : 9

Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title
1	IS 10191:1982	Car and counterweight guide rails guide rail supports and fastenings for lifts

2	IS 10448:1983	Retiring cam for electric passenger and goods lifts
3	IS 10913:1984	Brakes for electric passenger and goods lifts
4	IS 11615:1986	Car and counterweight guide shoes for electric passenger and goods lifts
5	IS 11633:1986	Lift doors
6	IS 11706:1986	General Requirements Of Car-frame For Electric Passangers And Goods Lift
7	IS 14665 (Part 4/Sec 1):2001	Electric Traction Lifts--Part 4 Components--Section 1 Lift Buffers
8	IS 14665 (Part 4/Sec 2):2001	Electric Traction Lifts--Part 4 Components--Section 2 Lift Guide Rails And Guide Shoes
9	IS 14665 (Part 4/Sec 3):2001	Electric Traction Lifts--Part 4 Components--Section 3 Lift Carframe Car Counterweight And Suspension
10	IS 14665 (Part 4/Sec 4):2001	Electric Traction Lifts--Part 4 Components--Section 4 Lift Safety Gears And Governors
11	IS 14665 (Part 4/Sec 5):2001	Electric Traction Lifts--Part 4 Components--Section 5 Lift Retiring Cam
12	IS 14665 (Part 4/Sec 6):2001	Electric Traction Lifts--Part 4 Components--Section 6 Lift Doors Locking Devices And Contacts
13	IS 14665 (Part 4/Sec 7):2001	Electric Traction Lifts--Part 4 Components--Section 7 Lift Machines And Brakes
14	IS 14665 (Part 4/Sec 8):2001	Electric Traction Lifts--Part 4 Components--Section 8 Lift Wire Ropes
15	IS 14665 (Part 4/Sec 9):2001	Electric Traction Lifts - Part 4 components - Section 1 Lifts Buffers - Section 2 Lift Guide Rails and Guide Shoes - Section 3 Lift Carframe Car Counterweight and Suspension - Section 4 Lift Safety Gears and Governors - Section 5
16	IS 14665 (Part 2/Sec 1):2000	Electric Traction Lifts - Part 2 Code of Practice for Installation Operation and Maintenance - Section 1 Passenger and Goods Lifts - Section 2 Service Lifts
17	IS 14665 (Part 1):2000	Electric traction lifts Part 1 guidelines for outline dimensions of passenger goods service and hospital lifts
18	IS 14665 (Part 2/Sec 12):2000	Electric traction lifts Part 2 code of practice for installation operation and maintenance Sec 1 passenger and goods lifts Sec 2 service lifts
19	IS 14665 (Part 3/Sec 12):2000	Electric traction Part 3 safety rules lifts Sec 1 passenger and goods lifts Sec 2 service lifts
20	IS 14665 (Part 4/Sec 19):2001	Electric Traction Lifts - Part 4 components - Section 1 Lifts Buffers - Section 2 Lift Guide Rails and Guide Shoes - Section 3 Lift Carframe Car Counterweight and Suspension - Section 4 Lift Safety Gears and Governors - Section 5
21	IS 14665 (Part 5):1999	Electric traction lifts - Specification Part 5 inspection manual
22	IS 14665 (Part 3/Sec 1):2000	Electric Traction Lifts - Part 3 Safety Rules - Section 1 Passenger and Goods Lifts - Section 2 Service Lifts
23	IS 14671:1999	Code of practice for installation and maintenance of hydraulic lift

24	IS 15330:2020 NULL	Requirements of Lifts for Persons with Disabilities First Revision
25	IS 15785:2007	Installation and maintenance of lift without conventional machine rooms - Code of practice
26	IS 17386:2020	Electric Traction Lifts - Replacement of Existing Passenger and Goods Passenger Lifts in Existing Buildings
27	IS 17491:2020	Safety Norms for Existing Lifts - Risk Assessment and Risk Reduction
28	IS 1860:1980	Code of Practice for Installation Operation and Maintenance of Electric Passenger and Goods Lifts
29	IS 3534:1976	Outline Dimensions Of Electric Lifts
30	IS 4591:1968 EN 115 : 1995 + A1 :	Code of practice for installation and maintenance of escalators
31	IS 4666:1980	Electric Passenger And Goods Lifts
32	IS 6383:1971	Electric Service Lifts
33	IS 6620:1972	Code of Practice for Installation Operation and Maintenance of Electric Service Lifts
34	IS 7759:1975	Lift door locking devices and contacts
35	IS 8216:1976	Guide for inspection of lift wire ropes
36	IS 9803:1981	Buffers for electric passenger and good lifts
37	IS 9878:1981	Safety gears and governors for electric passenger and goods lifts

Annexure-II :List of Indian Product Standards

SI. No.	IS No. & Year	Title
1	IS 17806:2022 ISO 7465:2007	Passenger lifts and service lifts Guide rails for lift cars and counterweights T-type