

## BUREAU OF INDIAN STANDARDS

### Program of Work

#### MED 6 : Continuous Bulk Conveying, Elevating, Hoisting Aerial Ropeways And Related Equipment

**Scope:** a) Formulation of standards for conveyors, vertical hoists, bucket elevators, aerial ropeways Amusement/joy rides and related equipment like crushers screens, vibrating mills etc. and conveyors for personal transportation. b) Co-ordination of work with ISO/TC 101 Continuous Mechanical Handling Equipment. c) Co-ordination of work with ISO/TC 254 Safety of Amusement Rides and Amusement Devices.

**Liaison:** **TC-101 (O):** *Continuous mechanical handling equipment* **TC-254 (P):** *Safety of amusement rides and amusement devices*

### Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 11592:2000 <span style="color: green;">Reviewed In : 2025</span> Decision taken to Reaffirm and Archive	Selection and design of belt conveyors - Code of practice (First Revision)	August, 2025	1	Indigenous
2	IS 11619:1986 ISO 5612 <span style="color: green;">Reviewed In : 2025</span> Decision taken to Reaffirm and Archive <span style="color: green;">ISO 5612-1984</span>	Specfication for scraper bars for armoured face conveyors	January, 2025	-	Not Equivalent
3	IS 12060:1987 <span style="color: green;">Reviewed In : 2023</span> Reaffirmed but not taken up for revision	Code of practice for selection of rotary vane feeders	February, 2023	-	Indigenous
4	IS 12101:1987 <span style="color: green;">Reviewed In : 2023</span> Reaffirmed but not taken up for revision	Specification for roller type hold - Back device	February, 2023	-	Indigenous
5	IS 12108:1987 <span style="color: green;">Reviewed In : 2023</span> Reaffirmed but not taken up for revision	Code of practice for selection of rotary table feeders	February, 2023	-	Indigenous
6	IS 12204:1987 <span style="color: green;">Reviewed In : 2023</span> Reaffirmed but not taken up for revision	Code of practice for selection of reciprocating feeders	February, 2023	-	Indigenous
7	IS 12215:1987	Code of practice for selection of	February, 2023	-	Indigenous

	Reviewed In : 2023 Reaffirmed but not taken up for revision	belt feeders			
8	IS 12400:1988 Reviewed In : 2023 Reaffirmed but not taken up for revision	Code of practice for selection of electromagnetic feeders	February, 2023	-	Indigenous
9	IS 12401:1988 Reviewed In : 2023 Reaffirmed but not taken up for revision	Code of practice for selection of mechanical vibrating feeders	February, 2023	-	Indigenous
10	IS 12907:1990 Reviewed In : 2020 Reaffirmed but not taken up for revision	Screw feeder - Purchasers data sheet	August, 2020	-	Indigenous
11	IS 12941:1990 Reviewed In : 2025 Decision taken to Reaffirm and Archive	Code of practice for selection and use of super capacity bucket elevator	December, 2025	-	Indigenous
12	IS 12959:1990 Reviewed In : 2021 Reaffirmed but not taken up for revision	Technical supply requirements for sprocket wheels for link chains	October, 2021	-	Indigenous
13	IS 12960:1990 ISO 7119 Reviewed In : 2020 Reaffirmed but not taken up for revision	Determination of power requirements of screw feeders - General requirements	August, 2020	-	Indigenous
14	IS 12961:1990 Reviewed In : 2025 Reaffirmed but not taken up for revision	U - Link for chains for bucket elevators - Specification	August, 2025	-	Indigenous
15	IS 13324:1992 Reviewed In : 2023 Decision taken to Reaffirm and Archive	Screw feeders - General requirements	January, 2023	-	Indigenous
16	IS 14169:2013 Reviewed In : 2023 Decision taken to Reaffirm and Archive	Recommendations for type selection of feeders (First Revision)	October, 2023	-	Indigenous
17	IS 14188:1994 Reviewed In : 2021 Reaffirmed but not taken up for revision IPSS 2-03-009-87 ( F 1)	Conveyor systems - Maintenance facilities - Design parameters	October, 2021	-	Not Equivalent
18	IS 14386:1996 Reviewed In : 2021 Reaffirmed but not	Belt conveyors - Travelling tripper - Motorised - For belt widths 650 mm to 1600 mm - Dimensions	October, 2021	-	Indigenous

	taken up for revision				
19	IS 15475 (Part 1):2022	CODE OF RECOMMENDED PRACTICE FOR AMUSEMENT RIDES SAFETY PART 1 GENERAL INFORMATION (First Revision)		-	Indigenous
20	IS 15475 (Part 1):2004 Reviewed In : 2020	Code of Recommended Practice for Amusement Rides Safety : Part 1: General Information (BI-LINGUAL)	January, 2020	-	
21	IS 15475 (Part 2):2022	CODE OF RECOMMENDED PRACTICE FOR AMUSEMENT RIDES SAFETY PART 2 SAFETY REQUIREMENTS (first revision)		-	Indigenous
22	IS 15475 (Part 2):2004 Reviewed In : 2020	Code of Recommended Practice for Amusement Rides Safety - Part 2: Safety Requirements(BI-LINGUAL)	January, 2020	-	
23	IS 15475 (Part 3):2022	CODE OF RECOMMENDED PRACTICE FOR AMUSEMENT RIDES SAFETY PART 3 DESIGN MANUFACTURE AND ERECTION		-	Indigenous
24	IS 15475 (Part 4):2022	CODE OF RECOMMENDED PRACTICE FOR AMUSEMENT RIDES SAFETY PART 4 SELECTION TRAINING AND SUPERVISION OF OPERATORS		-	Indigenous
25	IS 15475 (Part 5):2022	CODE OF RECOMMENDED PRACTICE FOR AMUSEMENT RIDES SAFETY PART 5 OPERATION AND MAINTENANCE PROCEDURES		-	
26	IS 15475 (Part 5):2004 Reviewed In : 2020	Code of Recommended Practice for Amusement Rides Safety - Part 5: Operation and Maintenance Procedures (BI-LINGUAL)	January, 2020	-	
27	IS 15475 (Part 6):2022	CODE OF RECOMMENDED PRACTICE FOR AMUSEMENT RIDES SAFETY PART 6 PERFORMANCE TESTS		-	Indigenous
28	IS 15475 (Part 6):2004 Reviewed In : 2020	Code of Recommended Practice for Amusement Rides Safety - Part 6: Performance Tests(BI-LINGUAL)	January, 2020	-	
29	IS 15492 (Part 1):2022	CODE OF RECOMMENDED PRACTICE FOR SAFETY IN WATER PARKS PART 1 GENERAL INFORMATION		-	Indigenous
30	IS 15492 (Part 2):2022	CODE OF RECOMMENDED PRACTICE FOR SAFETY IN WATER PARKS PART 2 SAFETY REQUIREMENTS		-	Indigenous
31	IS 15492 (Part 3):2022	CODE OF RECOMMENDED PRACTICE FOR SAFETY IN WATER PARKS PART 3 Instructions		-	Indigenous

32	IS 15530:2021 ISO 1977:2006 Reviewed In : 2025 ISO 1977:2006	Conveyor Chains Attachments and Sprockets (First Revision)	September, 2025	-	Identical under dual numbering
33	IS 15534:2004 ISO 5031 Reviewed In : 2024 ISO 5031:1977	Continuous mechanical handling equipment for loose bulk materials - Couplings and hose components used in pneumatic handling - Safety code	October, 2024	-	Identical under dual numbering
34	IS 15535:2004 ISO 2327 Reviewed In : 2024 ISO 2327:1972	Pneumatic handling appliances for loose bulk materials - Piping	October, 2024	-	Identical under dual numbering
35	IS 15536:2004 ISO 3284 Reviewed In : 2024 ISO 3284:19	Continuous mechanical handling equipment for loose bulk materials - Dimensions of bends for use in pneumatic handling	October, 2024	-	Identical under dual numbering
36	IS 16620:2017 Reviewed In : 2022	Jig back movement monocable ropeways with fixed grips - Code of practice	October, 2022	-	Indigenous
37	IS 16623:2017 Reviewed In : 2022	Pulsated movement monocable ropeways with fixed grips - Code of practice	October, 2022	2	Indigenous
38	IS 17232:2019 Reviewed In : 2023	Continuous Movement Bicable/Tricable Ropeways with Detachable Grip - Code of Practice	November, 2023	1	Indigenous
39	IS 17233:2019 Reviewed In : 2023	Acceptance and Certification Criteria for Design and Construction of All Types of Ropeways Intended for Transportation of Passengers	November, 2023	1	Indigenous
40	IS 17234:2019 Reviewed In : 2023	Operation and Maintenance of All Types of Ropeways Intended for Transportation of Passengers - Code of Practice	November, 2023	-	Indigenous
41	IS 17235:2019	Magnetic Rope Testing (MRT) - Specification		-	Indigenous
42	IS 17237:2019 Reviewed In : 2023	Code of Practice for Design and Construction of Civil Engineering Works for Ropeways - General Requirements	November, 2023	1	Indigenous
43	IS 17238:2019 Reviewed In : 2023	Safety Requirements for Ropeways Installations Designed to Carry Persons - Quality Control	November, 2023	1	Indigenous
44	IS 17239:2019 Reviewed In : 2023	Safety Requirements for Drives Used for Ropeway Installation for Passenger Transportation	November, 2023	1	Indigenous
45	IS 17240:2019 Reviewed In : 2023	Corrosion Protection of Iron and Steel Sections Used in Passenger Ropeways - Code of Practice	November, 2023	1	Indigenous
46	IS 17405:2020 Reviewed In : 2025	Calculation for Design of Ropeway Installation Intended for Transportation of Passengers â€” Code of Practice	January, 2025	-	Indigenous
47	IS 17406:2020 Reviewed In : 2025	Transportation, Storage, Installation and Tensioning of Wire Ropes for Passenger Ropeway â€”	January, 2025	-	Indigenous

		Code of Practice			
48	IS 17938:2022	Design and Construction of Funicular Railway Code of Practice		-	Indigenous
49	IS 3948:1986 ISO 610 Reviewed In : 2023 Reaffirmed but not taken up for revision ISO 610-1979	Specification for calibrated high tensile steel (Round Link) chain (Electric Butt Welded) for chain conveyors and coal ploughs used in mines	February, 2023	1	Not Equivalent
50	IS 4240:1984 ISO 2148 Reviewed In : 2023 Reaffirmed but not taken up for revision ISO/DIS 5027, BS 3810 Part 2:1965	Glossary of conveyors terms and definitions (First Revision)	February, 2023	-	Not Equivalent
51	IS 4776 (Part 1):1977 Reviewed In : 2024 Decision taken to Reaffirm and Archive BS 2890 : 1973	Specification for troughed belt conveyors: Part 1 troughed belt conveyors for surface installation	December, 2024	-	Not Equivalent
52	IS 4776 (Part 2):1977 Reviewed In : 2024 Decision taken to Reaffirm and Archive BS 2890 : 1973	Specification for troughed belt conveyors: Part 2 troughed belt conveyors for underground installation	December, 2024	-	Not Equivalent
53	IS 5228:2017 Reviewed In : 2022	Continuous movement monocable ropeways with fixed grips - Code of practice (Second Revision)	October, 2022	1	Indigenous
54	IS 5229:2017 Reviewed In : 2022	Continuous movement monocable ropeways with automatic grip - Code of practice (Second Revision)	October, 2022	-	Indigenous
55	IS 5230:2017 Reviewed In : 2022	To and fro (Jig Back) movement Bi - Cable ropeways - Code of practice (Second Revision)	October, 2022	-	Indigenous
56	IS 5563:2024	SCREW CONVEYORS FOR INDUSTRIAL USE “ SPECIFICATION (SECOND REVISION)		-	Indigenous
57	IS 5626:2024	CHAIN CONVEYORS CONNECTOR UNITS SHACKLE TYPE SPECIFICATION		-	Indigenous
58	IS 5895:2024	STEEL ROLLER CONVEYORS SPECIFICATION (Second Revision)		-	Indigenous
59	IS 6832:1985 Reviewed In : 2020 Reaffirmed but not taken up for revision	Specification for fixing screws and fixing washers for buckets for bucket elevators (First Revision)	August, 2020	-	Indigenous
60	IS 6833:1973 Reviewed In : 2021 Reaffirmed but not	Specification for buckets for bucket elevators	October, 2021	-	Indigenous

	taken up for revision				
61	IS 6834 (Part 1):2024	CONVEYOR CHAINS, CHAIN-WHEELS AND ATTACHMENTS SPECIFICATION PART 1 CHAINS (first revision)		-	Indigenous
62	IS 6834 (Part 2):2024	CONVEYOR CHAINS, CHAIN-WHEELS AND ATTACHMENTS SPECIFICATION PART 2 CHAIN-WHEELS (first revision)		-	Indigenous
63	IS 6834 (Part 3):2024	CONVEYOR CHAINS, CHAIN-WHEELS AND ATTACHMENTS - SPECIFICATION PART 3 ATTACHMENTS (FIRST REVISION)		-	Indigenous
64	IS 6930:1973 Reviewed In : 2025 Reaffirmed but not taken up for revision	Dimensions for fixing arrangements of buckets for bucket elevators	September, 2025	-	Indigenous
65	IS 7054:1973 Reviewed In : 2021 Reaffirmed but not taken up for revision	Specification for casing for bucket elevators	October, 2021	-	Indigenous
66	IS 7155 (Part 1):2023	CONVEYOR SAFETY CODE OF PRACTICE PART 1 GENERAL INFORMATION		-	Indigenous
67	IS 7155 (Part 2):2022	CODE OF RECOMMENDED PRACTICE FOR CONVEYOR SAFETY PART 2 GENERAL SAFETY REQUIREMENTS		-	Indigenous
68	IS 7155 (Part 2):2022	CODE OF RECOMMENDED PRACTICE FOR CONVEYOR SAFETY PART 2 GENERAL SAFETY REQUIREMENTS		-	Indigenous
69	IS 7155 (Part 3):2022	CODE OF RECOMMENDED PRACTICE FOR CONVEYOR SAFETY PART 3 BELT CONVEYORS AND FEEDERS		-	Indigenous
70	IS 7155 (Part 4):2023	CODE OF RECOMMENDED PRACTICE FOR CONVEYOR SAFETY PART 4 VIBRATING CONVEYOR FEEDER		-	Indigenous
71	IS 7155 (Part 5):2023	CODE OF RECOMMENDED PRACTICE FOR CONVEYOR SAFETY PART 5 APRON CONVEYORS /APRON FEEDERS		-	Indigenous
72	IS 7155 (Part 6):2023	CODE OF RECOMMENDED PRACTICE FOR CONVEYOR SAFETY PART 6 SELECTION TRAINING AND SUPERVISION OF OPERATORS		-	Indigenous
73	IS 7155 (Part 7):2023	CODE OF RECOMMENDED PRACTICE FOR CONVEYOR SAFETY PART 7 INSPECTION AND MAINTENANCE		-	Indigenous
74	IS 7155 (Part	CODE OF RECOMMENDED		-	Indigenous

	8):2023	PRACTICE FOR CONVEYOR SAFETY PART 8 FLIGHT CONVEYOR SCRAPER CONVEYOR			
75	IS 7167:1974 Reviewed In : 2025 Reaffirmed but not taken up for revision	Code for selection and use of bucket elevators	September, 2025	-	Indigenous
76	IS 7423:2022 ISO 7189: 1983 ISO 7189: 1983	Continuous mechanical handling equipment Apron conveyors Design rules (First Revision)		-	Identical under dual numbering
77	IS 7439:1974 ISO2326 Reviewed In : 2024 Decision taken to Reaffirm and Archive ISO 2326-1 972	Dimensions for aeroslides	December, 2024	-	Not Equivalent
78	IS 7465:2025	PORTABLE AND MOBILE TROUGHED BELT CONVEYORS - SPECIFICATION (first revision)		-	Indigenous
79	IS 7649:2025	Aerial Ropeways and Cableways Relevant Words in Relation to Glossary of Terms		-	Indigenous
80	IS 8531:1986 ISO 1536 Reviewed In : 2023 Reaffirmed but not taken up for revision ISO 1536-1975	Specification for pulleys for belt conveyors (First Revision)	February, 2023	-	Not Equivalent
81	IS 8597:1977 Reviewed In : 2020 Reaffirmed but not taken up for revision	Specification for flat belt conveyors	August, 2020	-	Indigenous
82	IS 8598:2019 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Idler and Idler Sets for Belt Conveyor — Specification ( Second Revision )	March, 2024	-	Indigenous
83	IS 8599:1977 Reviewed In : 2025 Decision taken to Reaffirm and Archive	Recommendations for selection of apron conveyors	December, 2025	-	Indigenous
84	IS 8646:1994 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Conveyors - Scraper (Flight) - General requirements (First Revision)	December, 2024	-	Indigenous
85	IS 8723:1978 ISO 1049 Reviewed In : 2023 Reaffirmed but not taken up for revision ISO 1049-1975	Dimensions for vibrating conveyors and feeders with rectangular or trapezoidal trough	February, 2023	-	Not Equivalent

86	IS 8730:2023	CLASSIFICATION AND CODIFICATION OF BULK MATERIALS FOR CONTINUOUS MATERIAL HANDLING EQUIPMENT		-	Indigenous
87	IS 9228:2019	Chairs for chairlifts - Specification (First Revision)	-	-	Indigenous
88	IS 9706:2019 <span>Reviewed In : 2023</span>	Material handling ropeways - Code of practice (Second Revision)	November, 2023	1	Indigenous

Standards under Development

Projects Approved		
Sl. No.	Doc No.	Title
No Records Found		

Preliminary Draft Standards		
Sl. No.	Doc No.	Title
No Records Found		

Drafts Standards in WC Stage		
Sl. No.	Doc No.	Title
No Records Found		

Draft Standards Completed WC Stage					
Sl. No.	Doc No.		Title		
1	MED 6 (27083)		Operation and Maintenance of All Types of Ropeways Intended for Transportation of Passengers Code of Practice		

Finalized Draft Indian Standard		
Sl. No.	Doc No.	Title
No Records Found		

Finalized Draft Indian Standards under Print					
Sl. No.	Doc No.		Title		
1	MED 6 (26566)		Prevention and Safety Against Fire in Ropeways - Code of Practice Amendment - 1		

Total Published Standards:85 Total Standards Under development:2					
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Aspect Wise Report

- Product : 24
- Code of Practices : 46
- Methods of Test : 1
- Terminology : 2
- Dimensions : 7
- System Standard : 1
- Safety Standard : 3
- Others : 1



Service Specification : 0  
 Process Specification : 0  
 Unclassified : 0

### Annexure-I :List of Indian Standards Withdrawn/Superseded

Sl. No.	IS No. & Year	Title
1	IS 11168 (Part 1):1985 Reviewed In : 2015	Data sheet for aerial ropeways and cableways to be provided to intending purchaser and user Part 1 data to be supplied for aerial ropeways system for transportation of goods surface
2	IS 12059:1987 ISO 3922 Reviewed In : 2015	Dimensions for Rotary Vane Feeders
3	IS 12919:1990	Conveyor chains for cane sugar industry
4	IS 15475 (Part 3):2004 Reviewed In : 2020	Code of Recommended Practice for Amusement Rides Safety - Part 3 Design Manufacture and Erection BI-LINGUAL
5	IS 15475 (Part 4):2004 Reviewed In : 2020	Code of Recommended Practice for Amusement Rides Safety - Part 4 Selection Training and Supervision of Operators BI-LINGUAL
6	IS 15475 (Part 5):2004 Reviewed In : 2021	Code of recommended practice for amusement rides safety Part 5 operation and maintenance procedures
7	IS 8598:1987 ISO 1537 Reviewed In : 2013 ISO 3598:2011	Idler and Idler Sets for Belt Conveyor - Specification Second Revision
8	IS 9047 (Part 1):1978 Reviewed In : 2016	Data sheet for aerial ropeways and cableways Part 1 data to be supplied by intending purchaser for aerial system for transportation of goods
9	IS 9047 (Part 2):1980 Reviewed In : 2016	Data sheet for aerial ropeways and cableways Part 2 data to be supplied by intending purchaser for aerial system for transportation of passengers surface
10	IS 9047 (Part 3):1983 Reviewed In : 2018	Data sheet for aerial ropeways and cableways Part 3 data to be supplied by intending purchaser for transportation of passenger underground
11	IS 9047 (Part 4):1983 Reviewed In : 2018	Data sheet for aerial ropeways and cableways Part 4 data to be supplied by intending purchaser for aerial system for transportation of goods underground
12	IS 9047 (Part 6):1980 Reviewed In : 2016	Data sheet for aerial ropeways and cableways Part 6 data to be supplied by intending purchaser for aerial system for transportation of forestry products
13	IS 9413:1980 Reviewed In : 2016 UNI 4900-1962	Specification for rope guide rollers for haulage ropes of bicable aerial ropeways for transportation of goods
14	IS 9454:1980 Reviewed In : 2016 GOST 10353-63	Specification for bicable load carriers

### Annexure-II :List of Indian Product Standards

Sl. No.	IS No. & Year	Title
1	IS 11619:1986 ISO 5612 Reviewed In : 2025 Decision taken to Reaffirm and Archive ISO 5612-1984	Specfication for scraper bars for armoured face conveyors
2	IS 12101:1987 Reviewed In : 2023 Reaffirmed but not taken up for revision	Specification for roller type hold - Back device
3	IS 12961:1990 Reviewed In : 2025 Reaffirmed but not taken up for revision	U - Link for chains for bucket elevators - Specification
4	IS 13324:1992	Screw feeders - General requirements

	Reviewed In : 2023 Decision taken to Reaffirm and Archive	
5	IS 14169:2013 Reviewed In : 2023 Decision taken to Reaffirm and Archive	Recommendations for type selection of feeders First Revision
6	IS 15530:2021 ISO 1977:2006 Reviewed In : 2025 IEC 60143-2:2012	Conveyor Chains Attachments and Sprockets First Revision
7	IS 15535:2004 ISO 2327 Reviewed In : 2024 ISO 2327:1972	Pneumatic handling appliances for loose bulk materials - Piping
8	IS 3948:1986 ISO 610 Reviewed In : 2023 Reaffirmed but not taken up for revision ISO 610-1979	Specification for calibrated high tensile steel Round Link chain Electric Butt Welded for chain conveyors and coal ploughs used in mines
9	IS 4776 (Part 1):1977 Reviewed In : 2024 Decision taken to Reaffirm and Archive BS 2890 : 1973	Specification for troughed belt conveyors Part 1 troughed belt conveyors for surface installation
10	IS 4776 (Part 2):1977 Reviewed In : 2024 Decision taken to Reaffirm and Archive BS 2890 : 1973	Specification for troughed belt conveyors Part 2 troughed belt conveyors for underground installation
11	IS 5563:2024	SCREW CONVEYORS FOR INDUSTRIAL USE SPECIFICATION SECOND REVISION
12	IS 5626:2024	CHAIN CONVEYORS CONNECTOR UNITS SHACKLE TYPE SPECIFICATION
13	IS 5895:2024	STEEL ROLLER CONVEYORS SPECIFICATION Second Revision
14	IS 6832:1985 Reviewed In : 2020 Reaffirmed but not taken up for revision	Specification for fixing screws and fixing washers for buckets for bucket elevators First Revision
15	IS 6833:1973 Reviewed In : 2021 Reaffirmed but not taken up for revision	Specification for buckets for bucket elevators
16	IS 6834 (Part 1):2024	CONVEYOR CHAINS CHAIN-WHEELS AND ATTACHMENTS SPECIFICATION PART 1 CHAINS first revision
17	IS 6834 (Part 2):2024	CONVEYOR CHAINS CHAIN-WHEELS AND ATTACHMENTS SPECIFICATION PART 2 CHAIN-WHEELS first revision
18	IS 6834 (Part 3):2024	CONVEYOR CHAINS CHAIN-WHEELS AND ATTACHMENTS - SPECIFICATION PART 3 ATTACHMENTS FIRST REVISION
19	IS 7054:1973 Reviewed In : 2021 Reaffirmed but not taken up for revision	Specification for casing for bucket elevators
20	IS 7465:2025	PORTABLE AND MOBILE TROUGHED BELT CONVEYORS - SPECIFICATION first revision
21	IS 8531:1986 ISO 1536 Reviewed In : 2023 Reaffirmed but not taken up for revision ISO 1536-1975	Specification for pulleys for belt conveyors First Revision

22	IS 8597:1977 Reviewed In : 2020 Reaffirmed but not taken up for revision	Specification for flat belt conveyors
23	IS 8646:1994 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Conveyors - Scraper Flight - General requirements First Revision
24	IS 9228:2019	Chairs for chairlifts - Specification First Revision