

## BUREAU OF INDIAN STANDARDS

### Program of Work

#### CED 36 : Fire Safety

Scope: Standardization in the Field of Fire Safety; Fire Precautions, Fire Resistance of Building Materials, Building Components Structures and Tests Connected therewith.

Liaison: **ISO TC-92 (P): Fire safety ISO TC-92 SC-1 (O): Fire initiation and growth ISO TC-92 SC-2 (O): Fire Resistance ISO TC-92 SC-3 (O): Fire threat to people and environment**

### Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 11457 (Part 1):1985 <i>Reviewed In : 2021</i>	Code of practice for fire safety of chemical industries: Part 1 rubber and plastic	March, 2021	-	Indigenous
2	IS 11460:1985 <i>Reviewed In : 2021</i>	Code of practice for fire safety of libraries and archives	March, 2021	1	Indigenous
3	IS/ISO 11925-2:2020 ISO 11925-2 : 2020 <i>ISO 11925-2 : 2020</i>	Reaction to fire tests - Ignitability of products subjected to direct impingement of flame - Part 2: Single-flame source test		-	Identical under single numbering
4	IS 12349:1988 <i>Reviewed In : 2022</i> <i>ISO 6309:1987</i>	Fire protection-safety signs	January, 2022	-	Modified/Technically Equivalent
5	IS 12407:1988 <i>Reviewed In : 2022</i>	Graphic symbols for fire protection plans	September, 2022	-	Indigenous
6	IS 12456:2004 <i>Reviewed In : 2020</i>	Fire protection of electronic data processing installation - Code of practice (First Revision)	January, 2020	-	Indigenous
7	IS 12458:2019	Fire Resistance of Through Penetration Firestops - Method of Test ( First Revision )	-	-	Indigenous
8	IS 12459:2024	Fire Safety in Cable Runs - Code of Practice (First Revision)		-	Indigenous
9	IS 12777:1989 <i>Reviewed In : 2021</i>	Method for classification of flame spread of products	March, 2021	-	Indigenous
10	IS 13045:1991 <i>Reviewed In : 2021</i>	Code of Practice for Fire Safety of Industrial Buildings : Flour Mills	March, 2021	-	
11	IS 13694:1993 <i>Reviewed In : 2022</i> Decision taken to Reaffirm and Archive	Code of practice for fire safety in iron and steel industries	September, 2022	1	
12	IS 13716:1993 <i>Reviewed In : 2022</i>	Code Of Practice For Fire Safety Of Hotels	September, 2022	1	
13	IS 14435:2013 <i>Reviewed In : 2023</i> Decision taken to Reaffirm and	Fire Safety in Educational Institutions - Code of Practice (First Revision)	September, 2023	-	

	Archive				
14	IS 14689:1999 Reviewed In : 2020	Code of practice for fire safety in industrial buildings (Printing And Publishing Industry)	January, 2020	-	Indigenous
15	IS 14850:2000 Reviewed In : 2021	Fire safety of museums - Code of practice	March, 2021	-	Indigenous
16	IS 15381:2021	Fire Blanket - Specification ( First Revision )		-	Indigenous
17	IS 15394:2003 Reviewed In : 2023	Fire Safety in Petroleum Refineries and Fertilizer Plants - Code of Practice	September, 2023	-	
18	IS 1641:2013 Reviewed In : 2023	Fire safety of buildings (General): general principles of fire grading and classification - Code of practice (Second Revision)	July, 2023	-	Indigenous
19	IS 1642:2013 Reviewed In : 2023	Fire safety of buildings (General): details of construction - Code of practice (Second Revision)	July, 2023	-	Indigenous
20	IS 1643:2013 Reviewed In : 2023	Fire Safety of Buildings (General): Exposure Hazard - Code of Practice (Second Revision)	August, 2023	-	
21	IS 1644:2013 Reviewed In : 2023	Fire safety of buildings (General): exit requirements and personal hazard - Code of practice (Second Revision)	August, 2023	-	Indigenous
22	IS 1646:2015 Reviewed In : 2020	Fire safety of buildings (General): electrical installations - Code of practice (Third Revision)	December, 2020	-	Indigenous
23	IS/ISO 1716:2018 ISO 1716 : 2018 ISO 1716 : 2018	Reaction to Fire Tests for Products - Determination of The Gross Heat of Combustion Calorific Value		-	Identical under single numbering
24	IS 17518 (Part 1):2022 ISO 3008-1:2019 ISO 3008-1:2019	Fire resistance tests Door and shutter assemblies Part 1: General requirements Adoption of ISO 3008-1:2019		-	Identical under dual numbering
25	IS 18190:2023	Fire Resistance of Perimeter Fire Barrier Joint System - Method of Tests		-	Indigenous
26	IS 18271:2023	Fire Safety in Commercial Kitchen - Guidelines		-	Indigenous
27	IS/ISO 19706:2011 ISO 19706 : 2011 ISO 19706 : 2011	Guidelines for Assessing the Fire Threat to People		-	Identical under dual numbering
28	IS/ISO 21927-1:2008 ISO 21927-1 : 2008 ISO 21927/Part 1:200	Smoke and Heat Control Systems Part 1 Specification for Smoke Barriers		-	Identical under dual numbering
29	IS 2726:1988 Reviewed In : 2022 Decision taken to Reaffirm and Archive	Code of practice for fire safety of industrial buildings: cotton ginning and pressing (Including Cotton Seed Delinting) factories (First Revision)	September, 2022	-	Indigenous
30	IS/ISO 3009:2003 ISO 3009 : 2003 Reviewed In : 2022 ISO 3009 : 2003	Fire-Resistance Tests - Elements of Building Construction - Glazed Elements	April, 2022	-	Identical under dual numbering
31	IS 3034:1993	Fire Safety of Industrial Buildings:	January, 2022	1	

	Reviewed In : 2022	Electrical Generating and Distributing Stations - Code of Practice (Second Revision)			
32	IS 3058:1990 Reviewed In : 2021	Code of practice for fire safety of industrial buildings: Viscose rayon yarn and/or staple fibre plants (First Revision)	March, 2021	-	
33	IS 3079:1990 Reviewed In : 2021	Code of practice for fire safety of industrial buildings: Cotton textile mills (First Revision)	March, 2021	-	
34	IS 3594:2024	Fire Safety of General Storage and Warehousing Including Cold Storages - Code of Practice (Second Revision)		-	
35	IS 3595:2002 Reviewed In : 2022	Code of Practice for Fire Safety of Industrial Buildings : Coal Pulverizers and Associated Equipments (Second Revision)	September, 2022	1	
36	IS 3614:2021	Fire Doors and Doorsets - Specification (first revision)		1	Indigenous
37	IS 3808:1979 Reviewed In : 2021 ISO 1182:2002	Method of test for non-combustibility of building materials (First Revision)	March, 2021	-	Modified/Technically Equivalent
38	IS 3836:2000 Reviewed In : 2021	Fire Safety of Industrial Buildings - Jute Mills - Code of Practice (Second Revision)	March, 2021	-	
39	IS 4226:1988 Reviewed In : 2022 Decision taken to Reaffirm and Archive	Code of practice for fire safety of industrial buildings: aluminium (Magnesium Powder Factories (First Revision)	September, 2022	-	Indigenous
40	IS 4886:1991 Reviewed In : 2021	Fire safety of industrial buildings: tea factories - Code of practice (First Revision)	March, 2021	1	Indigenous
41	IS 6329:2000 Reviewed In : 2021	Code of Practice for Fire Safety of Industrial Buildings - Saw Mills and Wood Works (First Revision)	March, 2021	-	
42	IS/ISO 834-1:1999 ISO 834-1 : 1999 Reviewed In : 2019 ISO 834-1 : 1999	Fire-Resistance Tests Elements of Building Construction Part 1 General Requirements	October, 2019	-	Identical under dual numbering
43	IS/ISO 834-4:2000 ISO 834-4 : 2000 Reviewed In : 2019 ISO 834-4 : 2000	Fire-Resistance Tests Elements of Building Construction Part 4 Specific Requirements for Load Bearing Vertical Separating Elements	October, 2019	-	Identical under dual numbering
44	IS/ISO 834-5:2000 ISO 834-5 : 2000 Reviewed In : 2019 ISO 834-5 : 2000	Fire-Resistance Tests Elements of Building Construction Part 5 Specific Requirements for Load Bearing Horizontal Separating Elements	October, 2019	-	Identical under dual numbering
45	IS/ISO 834-6:2000 ISO 834-6 : 2000 Reviewed In : 2022 ISO 834-6 : 2000	Fire-Resistance Tests - Elements of Building Construction Part 6 Specification Requirements for Beams	April, 2022	-	Identical under dual numbering
46	IS/ISO 834-7:2000 ISO 834-7 : 2000 Reviewed In : 2022 ISO 834-7 : 2000	Fire-Resistance Tests - Elements of Building Construction Part 7 Specific Requirements for Columns	April, 2022	-	Identical under dual numbering

47	IS/ISO 834-8:2002 ISO 834-8 : 2002 Reviewed In : 2022 ISO 834-8 : 2002	Fire-Resistance Tests - Elements of Building Construction Part 8 Specific Requirements for Non-load Bearing Vertical Separating Elements	April, 2022	-	Identical under dual numbering
48	IS/ISO 834-9:2003 ISO 834-9 : 2003 Reviewed In : 2022 ISO 834-9 : 2003	Fire-Resistance Tests - Elements of Building Construction Part 9 Specific Requirements for Non-load Bearing Ceiling Elements	April, 2022	-	Identical under dual numbering
49	IS 8757:2021 ISO 13943:2017	Glossary of Terms Associated With Fire Safety (Second Revision)		-	Modified/Technically Equivalent
50	IS 8758:2013 Reviewed In : 2023 Decision taken to Reaffirm and Archive	Fire precautionary measures in construction of temporary structures and pandals - Code of practice (Second Revision)	May, 2023	-	Indigenous
51	IS 9109:2000 Reviewed In : 2021	Fire safety of industrial buildings - Paint and varnish factories - Code of practice (First Revision)	March, 2021	-	Indigenous

### Standards under Development

#### Projects Approved

SI. No.	Doc No.	Title
No Records Found		

#### Preliminary Draft Standards

SI. No.	Doc No.	Title
1	CED 36 (27923)	Design Installation Inspection and Maintenance of Firestops Code of Practice
2	CED 36 (28551) <b>Revision of: IS 12458:2019</b>	Fire Resistance of Through Penetration and Membrane Penetration Firestops - Method of Test Second Revision

#### Drafts Standards in WC Stage

SI. No.	Doc No.	Title
No Records Found		

#### Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
1	CED 36 (24966)	Fire Safety of Industrial Buildings Viscose Rayon Yarn and or Staple Fibre Factories Code of Practice Second Revision
2	CED 36 (24967)	Fire Safety of Industrial Buildings Cotton Textile Mills Code of Practice Second Revision
3	CED 36 (27909)	Fire Resistance of Building Joint Systems - Method of Test
4	CED 36 (27910)	Non-Combustibility of Building Materials - Method of Test Second Revision

#### Finalized Draft Indian Standard

SI. No.	Doc No.	Title
No Records Found		

#### Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
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No Records Found

Total Published Standards:49 Total Standards Under development:6

### Aspect Wise Report

Product : 3  
Code of Practices : 29  
Methods of Test : 14  
Terminology : 1  
Dimensions : 0  
System Standard : 0  
Safety Standard : 0  
Others : 4  
Service Specification : 0  
Process Specification : 0  
Unclassified : 0

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

Sl. No.	IS No. & Year	Title
1	IS 1645:1960	Field slaking of building lime and preparation of putty - Code of practice Second Revision
2	IS 1647:1960	Code of practice for fire safety of buildings
3	IS 1648:1961	Code of practice for fire safety of buildings general Fire fighting equipment and its maintenance
4	IS 2217:1982	Recommendations for providing first-aid fire fighting arrangement in public building
5	IS 2406:1963	Code of practice for fire safety of non-industrial buildings
6	IS 3614 (Part 1):1966 Reviewed In : 2017	Fire-check Doors - Part I Plate Metal Covered and Rolling Type
7	IS 3614 (Part 2):1992 Reviewed In : 2017	Metallic and non-metallic fire check doors - Resistance test and performance criteria
8	IS 3809:1979 Reviewed In : 2017 iso 834-1:1999	Fire resistance test for structures First Revision
9	IS B8758:1993 Reviewed In : 2007	Recommendations for fire precautionary measures in the construction of temporary structures and pandals BI-LINGUAL

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

Sl. No.	IS No. & Year	Title
1	IS 15381:2021  Identical	Fire Blanket - Specification First Revision
2	IS/ISO 21927-1:2008 ISO 21927-1 : 2008 ISO 21927/Part 1:200	Smoke and Heat Control Systems Part 1 Specification for Smoke Barriers
3	IS 3614:2021	Fire Doors and Doorsets - Specification first revision