

## 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 : 2017</i> <i>ISO 6309:1987</i>	Fire protection-safety signs	September, 2017	-	Modified/Technically Equivalent
5	IS 12407 : 1988 <i>Reviewed In : 2017</i>	Graphic symbols for fire protection plans	September, 2017	-	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 : 2017</i>	Code of practice for fire safety in iron and steel industries	September, 2017	1	
12	IS 13716 : 1993 <i>Reviewed In : 2017</i>	Code Of Practice For Fire Safety Of Hotels	September, 2017	1	
13	IS 14435 : 2013 <i>Reviewed In : 2018</i>	Fire Safety in Educational Institutions - Code of Practice (First Revision)	September, 2018	-	
14	IS 14689 : 1999 <i>Reviewed In : 2020</i>	Code of practice for fire safety in industrial buildings (Printing And Publishing Industry)	January, 2020	-	Indigenous
15	IS 14850 : 2000	Fire safety of museums - Code of	March, 2021	-	Indigenous

	Reviewed In : 2021	practice			
16	IS 15381 : 2021	Fire Blanket - Specification ( First Revision )		-	Indigenous
17	IS 15394 : 2003 Reviewed In : 2018	Fire Safety in Petroleum Refineries and Fertilizer Plants - Code of Practice	September, 2018	-	
18	IS 1641 : 2013 Reviewed In : 2018	Fire safety of buildings (General): general principles of fire grading and classification - Code of practice (Second Revision)	July, 2018	-	Indigenous
19	IS 1642 : 2013 Reviewed In : 2018	Fire safety of buildings (General): details of construction - Code of practice (Second Revision)	July, 2018	-	Indigenous
20	IS 1643 : 2013 Reviewed In : 2018	Fire Safety of Buildings (General): Exposure Hazard “ Code of Practice (Second Revision)	August, 2018	-	
21	IS 1644 : 2013 Reviewed In : 2018	Fire safety of buildings (General): exit requirements and personal hazard - Code of practice (Second Revision)	August, 2018	-	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 : 2017	Code of practice for fire safety of industrial buildings: cotton ginning and pressing (Including Cotton Seed Delinting) factories (First Revision)	September, 2017	-	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 Reviewed In : 2017	Fire Safety of Industrial Buildings: Electrical Generating and Distributing Stations - Code of Practice (Second Revision)	September, 2017	1	
32	IS 3058 : 1990 Reviewed In : 2021	Code of practice for fire safety of industrial buildings: Viscose rayon	March, 2021	-	

		yarn and/or staple fibre plants (First Revision)			
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 : 1991 Reviewed In : 2021	Code of practice for fire safety of industrial buildings: General storage and warehousing including cold storage (First Revision)	March, 2021	1	
35	IS 3595 : 2002 Reviewed In : 2017	Code of Practice for Fire Safety of Industrial Buildings : Coal Pulverizers and Associated Equipments (Second Revision)	September, 2017	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 3809 : 1979 Reviewed In : 2017 iso 834-1:1999	Fire resistance test for structures (First Revision)	September, 2017	-	Modified/Technically Equivalent
39	IS 3836 : 2000 Reviewed In : 2021	Fire Safety of Industrial Buildings - Jute Mills - Code of Practice (Second Revision)	March, 2021	-	
40	IS 4226 : 1988 Reviewed In : 2017	Code of practice for fire safety of industrial buildings: aluminium (Magnesium Powder Factories (First Revision)	September, 2017	-	Indigenous
41	IS 4886 : 1991 Reviewed In : 2021	Fire safety of industrial buildings: tea factories - Code of practice (First Revision)	March, 2021	1	Indigenous
42	IS 6329 : 2000 Reviewed In : 2021	Code of Practice for Fire Safety of Industrial Buildings - Saw Mills and Wood Works (First Revision)	March, 2021	-	
43	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
44	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
45	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
46	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
47	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
48	IS/ISO 834-8 : 2002 ISO 834-8 : 2002 Reviewed In : 2022	Fire-Resistance Tests - Elements of Building Construction Part 8 Specific Requirements for Non-	April, 2022	-	Identical under dual numbering

	ISO 834-8 : 2002	load Bearing Vertical Separating Elements			
49	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
50	IS 8757 : 2021 ISO 13943:2017	Glossary of Terms Associated With Fire Safety (Second Revision)		-	Modified/Technically Equivalent
51	IS 8758 : 2013 Reviewed In : 2018	Fire precautionary measures in construction of temporary structures and pandals - Code of practice (Second Revision)	May, 2018	-	Indigenous
52	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
1	CED 36 (15774)	Fire Resistance of Perimeter Fire Barrier Joint System Method of Test

Preliminary Draft Standards		
SI. No.	Doc No.	Title
1	CED 36 (21890) Revision of: IS 12349:1988	FIRE PROTECTION - SAFETY SIGNS First Revision Amalgamating IS 12407

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 (23084)	Fire safety of General Storage and Warehousing including Cold Storages - Code of Practice second revision
2	CED 36 (24966)	Fire Safety of Industrial Buildings Viscose Rayon Yarn and or Staple Fibre Factories Code of Practice Second Revision
3	CED 36 (24967)	Fire Safety of Industrial Buildings Cotton Textile Mills Code of Practice 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
No Records Found		

Total Published Standards:50	Total Standards Under development:5
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## Aspect Wise Report

Product : 3  
 Code of Practices : 29  
 Methods of Test : 15  
 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

SI. 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 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

SI. 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