

## BUREAU OF INDIAN STANDARDS

### Program of Work

#### CED 22 : Fire Fighting

**Scope:** Standardization in the Field of: i) Fire Fighting Equipment Including Water Fittings ii) Fire Fighting Units iii) Fire Detection and Fire Alarm Systems, and iv) Helmets

**Liaison:** **ISO TC-21 (O):** *Equipment for fire protection and fire fighting* **ISO TC-21 SC-11 (O):** *Smoke and heat control systems and components* **ISO TC-21 SC-2 (O):** *Manually transportable fire extinguishers* **ISO TC-21 SC-3 (O):** *Fire detection and alarm systems* **ISO TC-21 SC-5 (O):** *Fixed firefighting systems using water* **ISO TC-21 SC-6 (O):** *Foam and powder media and firefighting systems using foam and powder* **ISO TC-21 SC-8 (O):** *Gaseous media and firefighting systems using gas*

### Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10460:1983 <i>Reviewed In : 2020</i>	FUNCTIONAL REQUIREMENTS FOR SMALL FOAM TENDER FOR FIRE BRIGADE USE	December, 2020	1	Indigenous
2	IS 10993:1984 <i>Reviewed In : 2020</i>	Functional requirements for 2000 kg dry powder tender for fire brigade use	December, 2020	1	
3	IS 11101:1984 <i>Reviewed In : 2022</i>	Specification for extended branch pipe for fire brigade use	September, 2022	-	Indigenous
4	IS 11108:1984 <i>Reviewed In : 2020</i> <i>ISO 7201-1:1989</i>	Specification for portable fire extinguishers - Halon 1211 type	December, 2020	4	Not Equivalent
5	IS 11833:1986 <i>Reviewed In : 2022</i> Decision taken to Reaffirm and Archive	Specification For Dry Powder Fire Extinguisher For Metal Fires	September, 2022	4	
6	IS 12717:1989 <i>Reviewed In : 2020</i>	Fire fighting equipment - High capacity portable pump set (1100 - 1600 L/min) - Functional requirements	December, 2020	1	Indigenous
7	IS 12796:1989 <i>Reviewed In : 2020</i>	Fire rake - Specification	December, 2020	-	Indigenous
8	IS 12805:1989 <i>Reviewed In : 2020</i>	Tool mcleod for fighting forest fires - Specification	December, 2020	-	Indigenous
9	IS 12835 (Part 1):2021	Design And Installation Of Fixed Foam Fire Extinguishing System - Code Of Practice Part 1 Low Expansion Foam (First Revision)		-	Indigenous
10	IS 12853:1989 <i>Reviewed In : 2020</i>	Specification pulaski tool for forest fire	December, 2020	-	
11	IS 12859:1989	Fire fighting - Brush hook for	December, 2020	-	Indigenous

	Reviewed In : 2020	forest fires - Specification			
12	IS 12861:1989 Reviewed In : 2020	Fire fighting - Double bit axe for forest fires - Specification	December, 2020	-	Indigenous
13	IS 12862:1989 Reviewed In : 2020	Fire fighting - Shovel for forest fires - Specification	December, 2020	-	Indigenous
14	IS 13039:2014 Reviewed In : 2024	External hydrant systems - provision and maintenance - Code of practice (First Revision)	June, 2024	-	
15	IS 14851:2000 Reviewed In : 2020	Maintenance of fire hose - Code of practice	December, 2020	-	Indigenous
16	IS 14933:2001 Reviewed In : 2020	High Pressure Fire Fighting Hose -Specification	December, 2020	-	
17	IS 14951:2001 Reviewed In : 2020	Fire extinguisher - 135 litres capacity mechanical foam type - Specification	December, 2020	2	Indigenous
18	IS 15051:2001 Reviewed In : 2022 Decision taken to Reaffirm and Archive	High pressure fire hose delivery couplings - Specification	September, 2022	-	Indigenous
19	IS 15105:2021	Design and Installation of Fixed Automatic Sprinkler Fire Extinguishing Systems - Code of Practice (first revision)		-	Indigenous
20	IS 15220:2002 Reviewed In : 2022 Decision taken to Reaffirm and Archive ISO 7201-1:1989	Halogenated hydrocarbons - Halon 1211 and halon 1401 - Fire extinguishing media - Specification	September, 2022	-	Not Equivalent
21	IS 15221:2002 Reviewed In : 2022 Decision taken to Reaffirm and Archive ISO 7201-2:1991	Safe handling and transfer procedures of halon1211 and halon 1301 (Halogenated Hydrocarbons) - Fire extinguishing media - Code of practice	September, 2022	-	Not Equivalent
22	IS 15222:2002 Reviewed In : 2022 Decision taken to Reaffirm and Archive ISO 5924:2012	Carbon dioxide as fire extinguishing media for fire protection - Specification	September, 2022	-	Not Equivalent
23	IS 15301:2003 Reviewed In : 2023 Decision taken to Reaffirm and Archive	Installation and Maintenance of Fire Fighting Pumps - Code of Practice	August, 2023	-	
24	IS 15325:2020	Design and Installation of Fixed Automatic High and Medium Velocity Water Spray System — Code of Practice ( First Revision )	-	-	Indigenous
25	IS 15493:2021 ISO 14520	Gaseous Fire Extinguishing Systems - General Requirements First Revision		-	Not Equivalent
26	IS 15496:2004 Reviewed In : 2020	Inspection and maintenance of gaseous fire extinguishing systems - Code of practice	January, 2020	-	Indigenous
27	IS 15497:2004 Reviewed In : 2020	Gaseous fire extinguishing systems - IG 01 extinguishing systems	January, 2020	-	Not Equivalent

	ISO 14520-12:2015				
28	IS 15501:2004 Reviewed In : 2020 ISO 14520-15:2015	Gaseous fire extinguishing systems - IG 541 extinguishing systems	January, 2020	-	Not Equivalent
29	IS 15505:2004 Reviewed In : 2020 ISO 14520-6:2016	Gaseous fire extinguishing systems - HCFC blend a extinguishing systems	January, 2020	-	Not Equivalent
30	IS 15506:2004 Reviewed In : 2020 ISO 14520-14:2015	Gaseous fire extinguishing systems - IG 55 extinguishing systems	January, 2020	-	Not Equivalent
31	IS 15517:2004 Reviewed In : 2020 ISO 14520-9:2019	Gaseous fire extinguishing systems - HFC 227ea (Hepta Fluoro Propane) extinguishing systems	January, 2020	2	Not Equivalent
32	IS 15519:2020	Water Mist Fire Protection Systems - System Design, Installation and Commissioning - Code of Practice ( First Revision )	-	-	Indigenous
33	IS 15525:2004 Reviewed In : 2020 ISO 14520-14:2015	Gaseous fire extinguishing systems - IG 100 extinguishing systems	January, 2020	-	Not Equivalent
34	IS 15528:2004 Reviewed In : 2020 ISO 6184:2009	Gaseous fire extinguishing systems - Carbon dioxide total flooding and local application (Sub - Floor And In - Cabinet), high and low pressure (Refrigerated) systems	January, 2020	-	Not Equivalent
35	IS 15682:2006 Reviewed In : 2022 ISO 6790:1986	Fire fighting vehicles and equipment - Symbols for operator controls and other display	February, 2022	-	Not Equivalent
36	IS 15683:2018 Reviewed In : 2023 ISO 7165 : 2009	Portable Fire Extinguishers — Performance and Construction — Specification ( First Revision )	December, 2023	1	Modified/Technically Equivalent
37	IS 15811:2008 Reviewed In : 2023	Long - Range water - Cum - Foam monitor with self - Inducting, aspirating and non - Aspirating jetand spray/fog nozzle for fire fighting - Specification	August, 2023	-	Indigenous
38	IS 15835:2009 Reviewed In : 2020	Gaseous Fire Extinguishing Systems - HCFC-125 Extinguishing Systems	January, 2020	1	
39	IS 15908:2021	Selection installation and maintenance of control and indicating equipments for fire detection and alarm system - Code of Practice First Revision		-	Indigenous
40	IS 16018:2012 Reviewed In : 2022 ISO 11601:2017	Wheeled fire extinguishers - Performance and construction - Specification	April, 2022	3	Not Equivalent
41	IS 16088:2012 Reviewed In : 2022	Chlorinated polyvinyl chloride (CPVC) pipes for automatic sprinkler fire extinguishing system - Specification	November, 2022	1	Indigenous
42	IS 16095:2013 Reviewed In : 2023	Hazmat vehicle - Specification	October, 2023	-	Indigenous
43	IS 16109:2013 Reviewed In : 2023	Turntable ladder - Specification	September, 2023	-	Indigenous
44	IS 16534:2017 Reviewed In : 2022	Chlorinated Polyvinyl Chloride (CPCV) Pipe Fittings for Automatic Sprinkler Fire	October, 2022	1	Indigenous

		Extinguishing System - Specification			
45	IS 18808:2025	Protective Helmet for Users of Bicycles, Skateboards and Roller Skates - Specification		-	Indigenous
46	IS 1941 (Part 1):1976 Reviewed In : 2022 Decision taken to Reaffirm and Archive	Functional requirements for electric motor sirens: Part 1 ac, 4 - Phase, 50 hz, 415 volts type (Second Revision)	September, 2022	-	Indigenous
47	IS 2097:2024	Low Expansion Foam Making Branch Pipe and Portable Foam Inductor - Specification (Third Revision)		-	Indigenous
48	IS 2189:2008 Reviewed In : 2023 ISO TR 7240-14:2004	Selection, installation and maintenance of automatic fire detection and alarm system code of practice (Fourth Revision)	August, 2023	-	Not Equivalent
49	IS 2190:2024	Selection, Installation and Maintenance of First-aid Fire Extinguishers - Portable and Mobile - Code of Practice (fifth revision)		-	Indigenous
50	IS 2546:1974 Reviewed In : 2020	Specification for galvanized mild steel fire bucket (First Revision)	December, 2020	2	Indigenous
51	IS 2696:1974 Reviewed In : 2022 Reaffirmed but not taken up for revision	Functional requirements for 1 125-1/min light fire engine (First Revision)	September, 2022	2	Indigenous
52	IS 2745:1983 Reviewed In : 2020	Specification for non - Metal helmet for firemen and civil defence personnel (Second Revision)	December, 2020	3	Indigenous
53	IS 2871:2012 Reviewed In : 2022	Branch pipe, universal for fire fighting purpose - Specification (Second Revision)	June, 2022	-	Indigenous
54	IS 2925:1984 Reviewed In : 2020 ISO 4874:1977	Specification for industrial safety helmets (Second Revision)	December, 2020	4	Not Equivalent
55	IS 2925:1984 Reviewed In : 2015	Specification for Industrial Safety Helmets(Bi-Lingual)	December, 2015	4	
56	IS 2930:1980 Reviewed In : 2022 Decision taken to Reaffirm and Archive	Functional requirements for hose laying tender for fire brigade use (First Revision)	September, 2022	1	
57	IS 3582:1984 Reviewed In : 2020	Basket Strainers For Fire Fighting Purposes (cylindrical Type) (First Revision)	December, 2020	-	
58	IS 3744:1985 Reviewed In : 2020	Specification hose binding machine	December, 2020	-	
59	IS 3844:1989 Reviewed In : 2020	Code of practice for installation and maintenance of internal fire hydrants and hose reels on premises (First Revision)	December, 2020	-	Indigenous
60	IS 4151:2015	Protective helmets for motorcycle riders - Specification (Fourth	December, 2020	2	Indigenous

	Reviewed In : 2020	Revision)			
61	IS 4308:2019 Reviewed In : 2024 ISO 7202 : 2012	Dry Chemical Powders for Fire Fighting - BC, ABC and D Types - Specification ( Third Revision )	January, 2024	1	Modified/Technically Equivalent
62	IS 4571:1977 Reviewed In : 2020	Specification for aluminium extension ladders for fire brigade use (First Revision)	December, 2020	5	Indigenous
63	IS 4643:1984 Reviewed In : 2020	Specification for suction wrenches for fire brigade use (First Revision)	December, 2020	-	
64	IS 4862 (Part 1):1986 Reviewed In : 2020 ISO 7201-1:1989	Specification for portable fire extinguisher for aircraft: Part 1 halon 1211 type (First Revision)	December, 2020	3	Not Equivalent
65	IS 4947:2006 Reviewed In : 2022	GAS CARTRIDGES FOR USE IN FIRE EXTINGUISHERS - SPECIFICATION (Third Revision)	February, 2022	-	Indigenous
66	IS 4989:2018 Reviewed In : 2023	Foam concentrate for producing mechanical foam for fire fighting - Specification (Fourth Revision)	December, 2023	1	Indigenous
67	IS 4989 (Part 4):2003 Reviewed In : 2018	Multipurpose aqueous film forming foam liquid concentrate for extinguishing hydrocarbon and polar solvent fires - Specification	August, 2018	2	Indigenous
68	IS 5131:2002 Reviewed In : 2022	Dividing Breeching with Control for Fire Brigade Use -Specification (Second Revision)	September, 2022	-	
69	IS 5290:2025	Landing Valves - Specification (Fourth Revision)		-	Indigenous
70	IS 5486:1985 Reviewed In : 2020	Specification for quick release knife (First Revision)	December, 2020	-	Indigenous
71	IS 5505:1985 Reviewed In : 2020	Specification for multi - Edged rescue axe (Non - Wedging) (First Revision)	December, 2020	-	Indigenous
72	IS 5612 (Part 1):1977 Reviewed In : 2022 Decision taken to Reaffirm and Archive	Specification for hose - Clamps and hose - Bandages for fire brigade use: Part 1 hose - Clamps (First Revision)	September, 2022	1	Indigenous
73	IS 5612 (Part 2):1977 Reviewed In : 2022 Decision taken to Reaffirm and Archive	Specification for hose - Clamps and hose - Bandages for fire brigade use: Part 2 hose - Bandages (First Revision)	September, 2022	-	Indigenous
74	IS 5714:1981 Reviewed In : 2022	Specification for hydrant stand - Pipe for fire fighting (First Revision)	September, 2022	1	Indigenous
75	IS 5888:1970 Reviewed In : 2020	Code of practice for design and construction of fire service drill - Tower	December, 2020	-	Indigenous
76	IS 5896 (Part 1):1970 Reviewed In : 2020	Code of practice for selection, operation and maintenance of special fire fighting appliances: Part 1 combined foam and cop crash tender	December, 2020	-	Indigenous
77	IS 5896 (Part	Code of practice for selection,	September, 2022	-	

	3):1975 Reviewed In : 2022 Decision taken to Reaffirm and Archive	operation and maintenance of fire fighting appliances: Part 3 Turntable ladders			
78	IS 6026:1985 Reviewed In : 2020	Specification for hand - Operated sirens (First Revision)	December, 2020	-	Indigenous
79	IS 6067:1983 Reviewed In : 2020	Functional Requirements for Water Tender Type 'X' for Fire Brigade Use (First Revision)	December, 2020	-	Indigenous
80	IS 6070:1983 Reviewed In : 2020	Code of practice for selection, operation and maintenance of trailer fire pumps, portable pumps, water tenders and motor fire engines (First Revision)	December, 2020	-	Indigenous
81	IS/ISO 6182-7:2004 ISO 6182-7 : 2004 Reviewed In : 2023 ISO 6182-7:2014	Fire protection - Automatic sprinkler systems: Part 7 requirements and test methods for early suppression fast response (Esfr) sprinklers	September, 2023	-	Identical under single numbering
82	IS/ISO 7240-2:2017 ISO 7240-2: 2017 ISO 7240-2: 2017	Fire Detection and Alarm Systems Part 2: Fire Detection Control and Indicating Equipment first revision		-	Identical under single numbering
83	IS/ISO 7240-3:2020 ISO 7240-3: 2020 ISO 7240-3: 2020	Fire Detection and Alarm Systems - Part 3: Audible Alarm Devices first revision		-	Identical under single numbering
84	IS/ISO 7240-4:2017 ISO 7240-4: 2017 ISO 7240-4: 2017	Fire Detection and Alarm Systems - Part 4 Power Supply Equipment first revision		-	Identical under single numbering
85	IS/ISO 7240-5:2018 ISO 7240-5:L 2018 ISO 7240-5:L 2018	Fire Detection and Alarm Systems - Part 5 Point Type Heat Detectors second revision		-	Identical under single numbering
86	IS/ISO 7240-6:2011 ISO 7240-6 : 2011 ISO 7240 : Part 6 :	Fire detection and alarm systems: Part 6 carbon monoxide fire detectors using electro - Chemical cells		-	Identical under dual numbering
87	IS/ISO 7240-7:2023 ISO 7240-7: 2023 ISO 7240-7: 2023	Fire Detection and Alarm Systems - Part 7 Point-Type Smoke Detectors using Scattered Light Transmitted Light or Ionization first revision		-	Identical under single numbering
88	IS/ISO 7240-8:2014 ISO 7240-8 : 2014 ISO 7240-8	Fire Detection and Alarm Systems Part 8 Point-Type Fire Detectors Using a Carbon Monoxide Sensor in Combination with a Heat Sensor		-	Identical under single numbering
89	IS/ISO 7240-10:2012 ISO 7240-10 : 2012 ISO 7240-10	Fire Detection and Alarm Systems Part 10 Point-Type Flame Detectors		-	Identical under single numbering
90	IS/ISO 7240-11:2011 ISO 7240-11 : 2011 Reviewed In : 2023 ISO 7240-11:2014	Fire detection and alarm systems: Part 11 manual call points	September, 2023	-	Identical under single numbering
91	IS/ISO 7240-12:2022 ISO 7240-12: 2022 ISO 7240-12: 2022	Fire Detection and Alarm Systems - Part 12 Line Type Smoke Detectors using a Transmitted Optical Beam first revision		-	Identical under single numbering
92	IS/ISO 7240-13:2020	Fire Detection and Alarm Systems Part 13 Compatibility Assessment		-	Identical under single numbering



	ISO 7240:-13: 2020 ISO 7240:-13: 2020	of System Components first revision			
93	IS/ISO 7240-15:2014 ISO 7240-15: 2014 ISO 7240-15: 2014	Fire Detection and Alarm Systems Part 15: Point-Type Fire Detectors Using Smoke and Heat Sensors first revision		-	Identical under single numbering
94	IS/ISO 7240-16:2007 ISO 7240-16 : 2007 ISO 7240 : Part 16 :	Fire detection and alarm systems: Part 16 sound system control and indicating equipment		-	Identical under dual numbering
95	IS/ISO 7240-17:2020 ISO 7240-17: 2020 ISO 7240-17: 2020	Fire Detection and Fire Alarm Systems - Part 17: Transmission Path Isolators first revision		-	Identical under single numbering
96	IS/ISO 7240-18:2017 ISO 7240-18 : 2017 ISO 7240 Part 18	Fire Detection and Alarm Systems Part 18 Input/Output Devices		-	Identical under dual numbering
97	IS/ISO 7240-20:2010 ISO 7240-20 : 2010 ISO 7240 : Part 20 :	Fire detection and alarm systems: Part 20 aspirating smoke detectors		-	Identical under dual numbering
98	IS/ISO 7240-21:2005 ISO 7240-21 : 2005 ISO 7240-21	Fire Detection and Alarm Systems Part 21 Routing Equipment		-	Identical under single numbering
99	IS/ISO 7240-22:2017 ISO 7240-22 : 2017 ISO 7240 Part 22:201	Fire Detection and Alarm Systems Part 22 Smoke-Detection Equipment for Ducts		-	Identical under dual numbering
100	IS/ISO 7240-23:2013 ISO 7240-23 : 2013 ISO 7240-23 : 2013	Fire Detection and Alarm Systems Part 23 Visual Alarm Devices		-	Identical under dual numbering
101	IS/ISO 7240-24:2016 ISO 7240-24 : 2016 ISO 7240-24	Fire Detection and Alarm Systems Part 24 Fire Alarm Loudspeakers		-	Identical under single numbering
102	IS/ISO 7240-25:2010 ISO 7240-25 : 2010 ISO 7240-25	Fire Detection and Alarm Systems Part 25 Components Using Radio Transmission Paths		-	Identical under single numbering
103	IS/ISO 7240-27:2018 ISO 7240-27 : 2018 ISO 7240 Part 27:201	Fire Detection and Alarm Systems Part 27 Point Type Fire Detectors Using a Smoke Sensor in Combination with a Carbon Monoxide Sensor and, Optionally, One or More Heat Sensors		-	Identical under dual numbering
104	IS/ISO 7240-29:2017  ISO 7240-29	Fire Detection and Alarm Systems Part 29 Video Fire Detectors		-	Identical under single numbering
105	IS/ISO 7240-31:2022 ISO 7240-31: 2022 ISO 7240-31: 2022	Fire Detection and Alarm Systems - Part 31 Resettable Line-Type Heat Detectors Adoption of IS 7240-31: 2022		-	Identical under single numbering
106	IS 7673:2004 Reviewed In : 2023	Fire Fighting Equipment - Glossary of Terms (First Revision)	August, 2023	-	Modified/Technically Equivalent

	ISO 8421-1:1987				
107	IS 7692:2024	Headform for Testing of Helmets - Specification (Second Revision)		-	Indigenous
108	IS 8090:1976 Reviewed In : 2020	Specification for couplings, branch pipe, nozzle used in hose reel tubing for fire fighting (First Revision)	December, 2020	1	Indigenous
109	IS 8096:1992 Reviewed In : 2022 Decision taken to Reaffirm and Archive	Fire beaters - Specification (First Revision)	September, 2022	-	Indigenous
110	IS 8423:1994 Reviewed In : 2020	Specification for controlled percolating hose for fire fighting (First revision)	December, 2020	3	
111	IS 8442:2024	Stand Post Type Water and Water-cum-Foam Monitor for Fire Fighting - Specification (Second Revision)		-	Indigenous
112	IS 884:2025	First-Aid Hose-Reel for Fire Fighting - Specification (Second Revision)		-	Indigenous
113	IS 901:1988 Reviewed In : 2022	Specification for couplings, double male and double female instantaneous pattern for fire fighting (Third Revision)	September, 2022	1	Indigenous
114	IS 902:1992 Reviewed In : 2022	Suction hose couplings for fire fighting purposes - Specification (Third Revision)	September, 2022	2	Indigenous
115	IS 903:2025	Fire Hose Delivery Couplings, Branch Pipe, Nozzles and Nozzle Spanner - Specification (Fifth Revision)		-	
116	IS 904:1983 Reviewed In : 2020	Specification for 2 - Way and 4 - Way suction collecting heads for fire fighting purposes (Second Revision)	December, 2020	1	Indigenous
117	IS 905:2025	Delivery Breechings for Fire Fighting - Dividing and Collecting - Instantaneous Pattern - Specification (third revision)		-	Indigenous
118	IS 906:2024	Portable and Fixed Type Revolving Branch for Fire Fighting - Specification (Fourth Revision)		-	Indigenous
119	IS 907:1984 Reviewed In : 2020	Specification for suction strainers, cylindrical type for fire fighting purposes (Second Revision)	December, 2020	-	Indigenous
120	IS 908:1975 Reviewed In : 2020	Specification for fire hydrant, stand post type (Second Revision)	December, 2020	1	Indigenous
121	IS 909:1992 Reviewed In : 2022	Underground fire hydrant, sluice valve type - Specification (Third Revision)	September, 2022	-	Indigenous
122	IS 910:1980 Reviewed In : 2022 Decision taken to Reaffirm and Archive	Specification for combined key for hydrant, hydrant cover and lower valve (Second Revision)	September, 2022	1	Indigenous
123	IS 926:1985 Reviewed In : 2020	Specification For Fireman's Axe (Second Revision)	December, 2020	-	Indigenous



124	IS 927:1981 Reviewed In : 2022 Decision taken to Reaffirm and Archive	Specification for fire hooks (Second Revision)	September, 2022	2	Indigenous
125	IS 928:1984 Reviewed In : 2020	Specification for fire bells (Second Revision)	December, 2020	-	Indigenous
126	IS 937:1981 Reviewed In : 2022 Decision taken to Reaffirm and Archive	Specification for Washers For Water Fittings For Fire Fighting Purposes (Second Revision)	September, 2022	2	
127	IS 939:1977 Reviewed In : 2022 Decision taken to Reaffirm and Archive	Specification for Snatch Block for Use with Fibre Rope for Fire Brigade Use (First Revision)	September, 2022	-	
128	IS 941:1985 Reviewed In : 2020	Specification for blower and exhaustor - For fire fighting (Second Revision)	December, 2020	2	Indigenous
129	IS 942:1982 Reviewed In : 2020 Reaffirmed but not taken up for revision	Functional requirements for 275 l/min portable pump set for fire fighting (Second Revision)	December, 2020	-	Indigenous
130	IS 943:1979 Reviewed In : 2018 Reaffirmed but not taken up for revision	Functional Requirements for 680-1/Min Trailer Pump For Fire Brigade Use (Second Revision)	August, 2018	2	
131	IS 944:1979 Reviewed In : 2022 Decision taken to Reaffirm and Archive	Functional requirements of 1800-1/min trailer pump for fire brigade use (Second Revision)	August, 2022	1	Indigenous
132	IS 947:1985 Reviewed In : 2022 Reaffirmed but not taken up for revision	Specification for washers for water fittings for fire fighting purposes (Second Revision)	September, 2022	1	Indigenous
133	IS 948:1983 Reviewed In : 2020	Functional Requirements for Water Tender Type 'A' for Fire Brigade Use (Second Revision)	December, 2020	1	Indigenous
134	IS 949:2012 Reviewed In : 2022	Specification for snatch block for use with fibre rope for fire brigade use (First Revision)	March, 2022	-	Indigenous
135	IS 950:2012 Reviewed In : 2022	Functional requirements for water tender, type B for fire brigade use (Third Revision)	October, 2022	-	Indigenous
136	IS 951:2003 Reviewed In : 2023	Functional requirements for crash fire tender for air fields (Fourth Revision)	August, 2023	-	Indigenous
137	IS 952:2012 Reviewed In : 2022 Decision taken to Reaffirm and Archive	Fog nozzle for fire brigade use - Specification (Second Revision)	June, 2022	-	Indigenous
138	IS 955:1980 Reviewed In : 2023	Functional requirements for dry powder tender for fire brigade use	August, 2023	1	Indigenous

	Decision taken to Reaffirm and Archive	(First Revision)			
139	IS 956:2004 Reviewed In : 2020	Functional requirements for rescue tender for air fields (Second Revision)	January, 2020	-	Indigenous
140	IS 9562:1980 Reviewed In : 2022	Specification for non - Metal helmet for police force	September, 2022	5	Indigenous
141	IS 957:1967 Reviewed In : 2020	Specification for control van for fire brigade use	December, 2020	3	Indigenous
142	IS 9668:1990 Reviewed In : 2020	Provision and maintenance of water supplies for fire fighting - Code of practice (First Revision)	December, 2020	-	Indigenous
143	IS 9695:1980 Reviewed In : 2020	Methods for sampling of helmets	December, 2020	-	Indigenous
144	IS 9972:2002 Reviewed In : 2017	Specification for automatic sprinkler heads for fire protection service (First Revision)	September, 2017	-	Indigenous
145	IS 9972:2023	Automatic Sprinkler Heads for Fire Protection Service - Specification (Second Revision)		-	Indigenous
146	IS 9973:1981 Reviewed In : 2022	Specification for visor for scooter helmets	September, 2022	1	
147	IS 9995:1981 Reviewed In : 2022	Specification for visor for non-metal police and firemen's helmets	September, 2022	1	Indigenous

### Standards under Development

#### Projects Approved

SI. No.	Doc No.	Title
No Records Found		

#### Preliminary Draft Standards

SI. No.	Doc No.	Title
1	CED 22 (26448)	Medium and High Expansion Foam Concentrate for Fire Fighting - Specification
2	CED 22 (27330)	Nitrogen Injection Fire Prevention and Extinguishing System NIFPES for Oil Filled Transformers and Reactors Guidelines

#### 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 22 (25685)	Water Tender for Fire Brigade Use - Functional Requirements Fourth Revision
2	CED 22 (25719)	Foam Tender for Fire Brigade Use - Functional Requirements first revision
3	CED 22 (28725)	Industrial Safety Helmet Specification Third Revision

#### Finalized Draft Indian Standard

SI. No.	Doc No.	Title
1	CED 22 (26193) Revision of: IS 2189:2008	Selection Installation and Maintenance of Automatic Fire Detection and Alarm System - Code of Practice Fifth Revision

## Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
1	CED 22 (25695)	Design Installation Testing and Maintenance of Condensed Aerosol Fire Extinguishing System - Code of Practice
2	CED 22 (26518)	Amendment No 1 to Gaseous Fire Extinguishing Systems - General Requirements First Revision

**Total Published Standards:140 Total Standards Under development:8**

### Aspect Wise Report

Product : 98  
 Code of Practices : 17  
 Methods of Test : 0  
 Terminology : 1  
 Dimensions : 0  
 System Standard : 0  
 Safety Standard : 0  
 Others : 26  
 Service Specification : 0  
 Process Specification : 0  
 Unclassified : 0

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

SI. No.	IS No. & Year	Title
1	IS 10204:2001 Reviewed In : 2010	Specification for portable fire extinguisher mechanical foam type
2	IS 10474:1983 Reviewed In : 1995	150 litre capacity chemical fire engine foam type
3	IS 10658:1999 Reviewed In : 2015	Specification for Higher Capacity Dry Powder Fire Extinguisher Trolley Mounted
4	IS 11070:1984 Reviewed In : 2005	bromochlorodifluoromethane halon-1211 for fire fighting
5	IS 11360:1985 Reviewed In : 2020	Specification for smoke detectors for use in automatic electrical fire alarm system
6	IS 13385:1992 Reviewed In : 2017	Specification for Fire Extinguisher 50 Litre Capacity Wheel Mounted Water Type gas Cartridge
7	IS 13386:1992 Reviewed In : 2017	Specification for Fire Extinguisher 50 Litre Capacity Mechanical Foam Type
8	IS 13849:1993 Reviewed In : 2008	Specification for portable fire extinguisher dry powder type constant pressure
9	IS 14609:1999 Reviewed In : 2015 ISO 7202:2018	Dry chemical powder for fighting a b c class fires specification
10	IS 15397:2003 Reviewed In : 2008	Portable Fire Extinguisher Mechanical Foam Type Stored Pressure -Specification
11	IS 15683:2006 Reviewed In : 2017 IEC TS 60839-7-8:2019	Portable Fire Extinguishers - Performance and Construction - Specification First Revision
12	IS 15821:2008 Reviewed In : 2018	Gaseous fire extinguishing systems - Physical properties and system design - CF3I extinguishant
13	IS 1910:1961	Self contained breathing apparatus for the brigade use Incorporated in IS 10245 Part 2
14	IS 1924:1973	Portable fire extinguisher water type pocket pump
15	IS 1933:1961	Portable chemical fire extinguisher chloro bromomethane type

16	IS 2171:1999 Reviewed In : 2010	Specification for portable fire extinguishers dry powder cartridge type
17	IS 2175:1988 Reviewed In : 2020	Specification for heat sensitive fire detectors for use in automatic fire alarm system Second Revision
18	IS 2298:1977 Reviewed In : 2008	Single-barrel Stirrup Pump For Fire Fighting Purposes
19	IS 2299:1968	Steel Helmets For Civil Defence
20	IS 2300:1968	Non Metal Helmets For Civil Defence
21	IS 2878:2004 Reviewed In : 2015	Fire Extinguisher Carbon Dioxide Type Portable and Trolley Mounted -Specification
22	IS 4151:1993 Reviewed In : 2013 IEEE Std 802.15.9-2016	Specification for protective helmets for scooter and motorcycle riders
23	IS 4308:2003 Reviewed In : 2018	Dry Chemical Powders for Fire Fighting - BC ABC and D Types - Specification Third Revision
24	IS 4861:1984 Reviewed In : 2015	Specification for Dry Powder for Fighting Fires in Burning Metals
25	IS 4927:1992 Reviewed In : 2022	Unlined flax canvas hose for fire fighting - Specification First Revision
26	IS 4928:1986 Reviewed In : 2020	Specification for delivery valve for centrifugal fire pump outlets First Revision
27	IS 4989:2006 Reviewed In : 2017 ISO 105 X14 : 1994	Foam Concentrate for producing mechanical foam for fire fighting - Specification Amalgamating IS 4989 Part 1 1985 Part 2 1984 Part 3 1987
28	IS 5490 (Part 1):1977 Reviewed In : 1997	Refills For Portable Fire Extinguishers And Chemical Fire Engines Part 1 For Soda Acid Portable Fire Extinguishers
29	IS 5490 (Part 2):1977 Reviewed In : 1997	Refills for Portable Fire Extinguishers and Chemical Fire Engines - Part II For Foam Type Portable Fire Extinguisher
30	IS 5490 (Part 3):1979 Reviewed In : 1997	Refills for Portable Fire Extinguishers and Chemical Fire Engines - Part III For Soda Acid Chemical Fire Engines 50 Litre Capacity
31	IS 5490 (Part 4):1979 Reviewed In : 1997	Refills for Portable Fire Extinguishers and Chemical Fire Engines - Part IV For Foam Chemical Fire Engines 50 Litre Capacity
32	IS 5506:1979 Reviewed In : 1992	50-l Capacity Chemical Fire Engine Soda Acid Type
33	IS 5507:1979 Reviewed In : 1992	Capacity Chemical Fire Engine Foam Type
34	IS 5896 (Part 2):1975 Reviewed In : 1992	Code of practice for selection operation and maintenance of special fire fighting appliances Part 2 Escapes
35	IS 6234:2003 Reviewed In : 2008	Portable Fire Extinguishers Water Type Stored Pressure -Specification
36	IS 6382:1984 Reviewed In : 2000	Code of Practice for Design and Installation of Fixed Carbon Dioxide Fire Extinguishing System
37	IS 7612:1974	Functional requirements for flame resistant and heat resistant suits
38	IS 8149:1994 Reviewed In : 2015	Functional requirements for twin co2 fire extinguishers trolley mounted
39	IS 929:1959	Hok Ladder For Fire Fighting Purposes
40	IS 930:1977 Reviewed In : 1992	Wooden extension ladders for fire brigade use
41	IS 931:1973 Reviewed In : 1992	Wheeled Fire Escape
42	IS 932:1960	30-40 M or 100-110 ft Mechanically operated turn-table ladder for fire brigade use
43	IS 933:1989 Reviewed In : 1995	Portable chemical foam fire extinguisher
44	IS 934:1989	Portable fire extinguisher water type soda acid

	Reviewed In : 1995	
45	IS 935:1967	Portable chemical fire extinguisher carbon tetrachloride type
46	IS 936:1966	Underground fire hydrant double valve type revised
47	IS 938:1973	Specification for Functional requirements for 1350-1 min small fire engine
48	IS 940:2003 Reviewed In : 2008	Specification for Portable Fire Extinguisher Water Type Gas Cartridge -
49	IS 945:1966	1800-1 min Motor Fire Engine
50	IS 946:1977 Reviewed In : 1992	Functional requirements for motor fire engine
51	IS 953:1960	Small foam crash tender
52	IS 954:1989 Reviewed In : 1995	Functional requirements for carbon dioxide tender for fire brigade use

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

Sl. No.	IS No. & Year	Title
1	IS 10460:1983 Reviewed In : 2020	FUNCTIONAL REQUIREMENTS FOR SMALL FOAM TENDER FOR FIRE BRIGADE USE
2	IS 10993:1984 Reviewed In : 2020	Functional requirements for 2000 kg dry powder tender for fire brigade use
3	IS 11101:1984 Reviewed In : 2022	Specification for extended branch pipe for fire brigade use
4	IS 11108:1984 Reviewed In : 2020 ISO 7201-1:1989	Specification for portable fire extinguishers - Halon 1211 type
5	IS 11833:1986 Reviewed In : 2022 Decision taken to Reaffirm and Archive	Specification For Dry Powder Fire Extinguisher For Metal Fires
6	IS 12717:1989 Reviewed In : 2020	Fire fighting equipment - High capacity portable pump set 1100 - 1600 L min - Functional requirements
7	IS 12796:1989 Reviewed In : 2020	Fire rake - Specification
8	IS 12805:1989 Reviewed In : 2020	Tool mcleod for fighting forest fires - Specification
9	IS 12853:1989 Reviewed In : 2020	Specification pulaski tool for forest fire
10	IS 12859:1989 Reviewed In : 2020	Fire fighting - Brush hook for forest fires - Specification
11	IS 12861:1989 Reviewed In : 2020	Fire fighting - Double bit axe for forest fires - Specification
12	IS 12862:1989 Reviewed In : 2020	Fire fighting - Shovel for forest fires - Specification
13	IS 14851:2000 Reviewed In : 2020	Maintenance of fire hose - Code of practice
14	IS 14933:2001 Reviewed In : 2020	High Pressure Fire Fighting Hose -Specification
15	IS 14951:2001 Reviewed In : 2020	Fire extinguisher - 135 litres capacity mechanical foam type - Specification
16	IS 15051:2001 Reviewed In : 2022 Decision taken to Reaffirm and Archive	High pressure fire hose delivery couplings - Specification
17	IS 15220:2002	Halogenated hydrocarbons - Halon 1211 and halon 1401 - Fire extinguishing media - Specification

	Reviewed In : 2022 Decision taken to Reaffirm and Archive ISO 7201-1:1989	
18	IS 15222:2002 Reviewed In : 2022 Decision taken to Reaffirm and Archive ISO 5924:2012	Carbon dioxide as fire extinguishing media for fire protection - Specification
19	IS 15811:2008 Reviewed In : 2023	Long - Range water - Cum - Foam monitor with self - Inducting aspirating and non - Aspirating jetand spray fog nozzle for fire fighting - Specification
20	IS 16018:2012 Reviewed In : 2022 ISO 11601:2017	Wheeled fire extinguishers - Performance and construction - Specification
21	IS 16088:2012 Reviewed In : 2022	Chlorinated polyvinyl chloride CPVC pipes for automatic sprinkler fire extinguishing system - Specification
22	IS 16095:2013 Reviewed In : 2023	Hazmat vehicle - Specification
23	IS 16109:2013 Reviewed In : 2023	Turntable ladder - Specification
24	IS 16534:2017 Reviewed In : 2022	Chlorinated Polyvinyl Chloride CPCV Pipe Fittings for Automatic Sprinkler Fire Extinguishing System - Specification
25	IS 18808:2025	Protective Helmet for Users of Bicycles Skateboards and Roller Skates - Specification
26	IS 2097:2024	Low Expansion Foam Making Branch Pipe and Portable Foam Inductor - Specification Third Revision
27	IS 2546:1974 Reviewed In : 2020	Specification for galvanized mild steel fire bucket First Revision
28	IS 2745:1983 Reviewed In : 2020	Specification for non - Metal helmet for firemen and civil defence personnel Second Revision
29	IS 2871:2012 Reviewed In : 2022	Branch pipe universal for fire fighting purpose - Specification Second Revision
30	IS 2925:1984 Reviewed In : 2020 ISO 4874:1977	Specification for industrial safety helmets Second Revision
31	IS 2925:1984 Reviewed In : 2015	Specification for Industrial Safety Helmets Bi-Lingual
32	IS 3582:1984 Reviewed In : 2020	Basket Strainers For Fire Fighting Purposes cylindrical Type First Revision
33	IS 3744:1985 Reviewed In : 2020	Specification hose binding machine
34	IS 4571:1977 Reviewed In : 2020	Specification for aluminium extension ladders for fire brigade use First Revision
35	IS 4643:1984 Reviewed In : 2020	Specification for suction wrenches for fire brigade use First Revision
36	IS 4862 (Part 1):1986 Reviewed In : 2020 ISO 7201-1:1989	Specification for portable fire extinguisher for aircraft Part 1 halon 1211 type First Revision
37	IS 4947:2006 Reviewed In : 2022	GAS CARTRIDGES FOR USE IN FIRE EXTINGUISHERS - SPECIFICATION Third Revision
38	IS 4989 (Part 4):2003 Reviewed In : 2018	Multipurpose aqueous film forming foam liquid concentrate for extinguishing hydrocarbon and polar solvent fires - Specification
39	IS 5131:2002 Reviewed In : 2022	Dividing Breeching with Control for Fire Brigade Use -Specification Second Revision
40	IS 5290:2025	Landing Valves - Specification Fourth Revision
41	IS 5486:1985 Reviewed In : 2020	Specification for quick release knife First Revision
42	IS 5505:1985	Specification for multi - Edged rescue axe Non - Wedging First Revision



	Reviewed In : 2020	
43	IS 5612 (Part 1):1977 Reviewed In : 2022 Decision taken to Reaffirm and Archive	Specification for hose - Clamps and hose - Bandages for fire brigade use Part 1 hose - Clamps First Revision
44	IS 5612 (Part 2):1977 Reviewed In : 2022 Decision taken to Reaffirm and Archive	Specification for hose - Clamps and hose - Bandages for fire brigade use Part 2 hose - Bandages First Revision
45	IS 5714:1981 Reviewed In : 2022	Specification for hydrant stand - Pipe for fire fighting First Revision
46	IS 6026:1985 Reviewed In : 2020	Specification for hand - Operated sirens First Revision
47	IS/ISO 6182-7:2004 ISO 6182-7 : 2004 Reviewed In : 2023 ISO 6182-7:2014	Fire protection - Automatic sprinkler systems Part 7 requirements and test methods for early suppression fast response Esfr sprinklers
48	IS/ISO 7240-2:2017 ISO 7240-2: 2017	Fire Detection and Alarm Systems Part 2 Fire Detection Control and Indicating Equipment first revision
49	IS/ISO 7240-3:2020 ISO 7240-3: 2020	Fire Detection and Alarm Systems - Part 3 Audible Alarm Devices first revision
50	IS/ISO 7240-4:2017 ISO 7240-4: 2017	Fire Detection and Alarm Systems - Part 4 Power Supply Equipment first revision
51	IS/ISO 7240-5:2018 ISO 7240-5:L 2018	Fire Detection and Alarm Systems - Part 5 Point Type Heat Detectors second revision
52	IS/ISO 7240-6:2011 ISO 7240-6 : 2011 ISO 7240 : Part 6 :	Fire detection and alarm systems Part 6 carbon monoxide fire detectors using electro - Chemical cells
53	IS/ISO 7240-7:2023 ISO 7240-7: 2023	Fire Detection and Alarm Systems - Part 7 Point-Type Smoke Detectors using Scattered Light Transmitted Light or Ionization first revision
54	IS/ISO 7240-8:2014 ISO 7240-8 : 2014 ISO 7240-8	Fire Detection and Alarm Systems Part 8 Point-Type Fire Detectors Using a Carbon Monoxide Sensor in Combination with a Heat Sensor
55	IS/ISO 7240-10:2012 ISO 7240-10 : 2012 ISO 15848 -1 : 2015	Fire Detection and Alarm Systems Part 10 Point-Type Flame Detectors
56	IS/ISO 7240-11:2011 ISO 7240-11 : 2011 Reviewed In : 2023 ISO 7240-11:2014	Fire detection and alarm systems Part 11 manual call points
57	IS/ISO 7240-12:2022 ISO 7240-12: 2022	Fire Detection and Alarm Systems - Part 12 Line Type Smoke Detectors using a Transmitted Optical Beam first revision
58	IS/ISO 7240-15:2014 ISO 7240-15: 2014	Fire Detection and Alarm Systems Part 15 Point-Type Fire Detectors Using Smoke and Heat Sensors first revision
59	IS/ISO 7240-16:2007 ISO 7240-16 : 2007 ISO 7240 : Part 16 :	Fire detection and alarm systems Part 16 sound system control and indicating equipment
60	IS/ISO 7240-17:2020 ISO 7240-17: 2020	Fire Detection and Fire Alarm Systems - Part 17 Transmission Path Isolators first revision
61	IS/ISO 7240-18:2017 ISO 7240-18 : 2017	Fire Detection and Alarm Systems Part 18 Input Output Devices

	ISO 7240 Part 18	
62	IS/ISO 7240-20:2010 ISO 7240-20 : 2010 ISO 7240 : Part 20 :	Fire detection and alarm systems Part 20 aspirating smoke detectors
63	IS/ISO 7240-21:2005 ISO 7240-21 : 2005 ISO 7786:2001	Fire Detection and Alarm Systems Part 21 Routing Equipment
64	IS/ISO 7240-22:2017 ISO 7240-22 : 2017 ISO 17304:2013	Fire Detection and Alarm Systems Part 22 Smoke-Detection Equipment for Ducts
65	IS/ISO 7240-23:2013 ISO 7240-23 : 2013 ISO 7240-23 : 2013	Fire Detection and Alarm Systems Part 23 Visual Alarm Devices
66	IS/ISO 7240-24:2016 ISO 7240-24 : 2016 ISO 18295 - 1 : 2017	Fire Detection and Alarm Systems Part 24 Fire Alarm Loudspeakers
67	IS/ISO 7240-25:2010 ISO 7240-25 : 2010 IEC 62220-1-3:2008	Fire Detection and Alarm Systems Part 25 Components Using Radio Transmission Paths
68	IS/ISO 7240-27:2018 ISO 7240-27 : 2018 IEC 61331-1 : 2014	Fire Detection and Alarm Systems Part 27 Point Type Fire Detectors Using a Smoke Sensor in Combination with a Carbon Monoxide Sensor and Optionally One or More Heat Sensors
69	IS/ISO 7240-29:2017  ISO 18295 - 2 : 2017	Fire Detection and Alarm Systems Part 29 Video Fire Detectors
70	IS/ISO 7240-31:2022 ISO 7240-31: 2022	Fire Detection and Alarm Systems - Part 31 Resettable Line-Type Heat Detectors Adoption of IS 7240-31 2022
71	IS 7692:2024	Headform for Testing of Helmets - Specification Second Revision
72	IS 8090:1976 Reviewed In : 2020	Specification for couplings branch pipe nozzle used in hose reel tubing for fire fighting First Revision
73	IS 8096:1992 Reviewed In : 2022 Decision taken to Reaffirm and Archive	Fire beaters - Specification First Revision
74	IS 8423:1994 Reviewed In : 2020	Specification for controlled percolating hose for fire fighting First revision
75	IS 8442:2024	Stand Post Type Water and Water-cum-Foam Monitor for Fire Fighting - Specification Second Revision
76	IS 884:2025	First-Aid Hose-Reel for Fire Fighting - Specification Second Revision
77	IS 901:1988 Reviewed In : 2022	Specification for couplings double male and double female instantaneous pattern for fire fighting Third Revision
78	IS 902:1992 Reviewed In : 2022	Suction hose couplings for fire fighting purposes - Specification Third Revision
79	IS 903:2025	Fire Hose Delivery Couplings Branch Pipe Nozzles and Nozzle Spanner - Specification Fifth Revision
80	IS 904:1983 Reviewed In : 2020	Specification for 2 - Way and 4 - Way suction collecting heads for fire fighting purposes Second Revision
81	IS 905:2025	Delivery Breechings for Fire Fighting - Dividing and Collecting - Instantaneous Pattern - Specification third revision
82	IS 906:2024	Portable and Fixed Type Revolving Branch for Fire Fighting - Specification Fourth Revision
83	IS 907:1984 Reviewed In : 2020	Specification for suction strainers cylindrical type for fire fighting purposes Second Revision
84	IS 908:1975 Reviewed In : 2020	Specification for fire hydrant stand post type Second Revision
85	IS 909:1992	Underground fire hydrant sluice valve type - Specification Third Revision

	Reviewed In : 2022	
86	IS 910:1980 Reviewed In : 2022 Decision taken to Reaffirm and Archive	Specification for combined key for hydrant hydrant cover and lower valve Second Revision
87	IS 926:1985 Reviewed In : 2020	Specification For Fireman 39 s Axe Second Revision
88	IS 927:1981 Reviewed In : 2022 Decision taken to Reaffirm and Archive	Specification for fire hooks Second Revision
89	IS 928:1984 Reviewed In : 2020	Specification for fire bells Second Revision
90	IS 937:1981 Reviewed In : 2022 Decision taken to Reaffirm and Archive	Specification for Washers For Water Fittings For Fire Fighting Purposes Second Revision
91	IS 939:1977 Reviewed In : 2022 Decision taken to Reaffirm and Archive	Specification for Snatch Block for Use with Fibre Rope for Fire Brigade Use First Revision
92	IS 941:1985 Reviewed In : 2020	Specification for blower and exhauster - For fire fighting Second Revision
93	IS 952:2012 Reviewed In : 2022 Decision taken to Reaffirm and Archive	Fog nozzle for fire brigade use - Specification Second Revision
94	IS 9562:1980 Reviewed In : 2022	Specification for non - Metal helmet for police force
95	IS 957:1967 Reviewed In : 2020	Specification for control van for fire brigade use
96	IS 9972:2023 ISO 10110-12:2019	Automatic Sprinkler Heads for Fire Protection Service - Specification Second Revision
97	IS 9973:1981 Reviewed In : 2022	Specification for visor for scooter helmets
98	IS 9995:1981 Reviewed In : 2022	Specification for visor for non-metal police and firemen s helmets