

BUREAU OF INDIAN STANDARDS

Program of Work

CHD 26 : Explosives And Pyrotechnics

Scope: Standardization in the field of Fireworks, including quality control, definitions, terminology, classification, categorization, labelling, test methods and basic safety requirements.

Liaison: **ISO TC-264 (P): Fireworks**

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10081:1981 <i>Reviewed In : 2021</i>	Terms relating to commercial explosives, pyrotechnics and blasting practices	April, 2021	-	Indigenous
2	IS 10126:1986 <i>Reviewed In : 2021</i> Reaffirmed but not taken up for revision	Specification for sparklers (First Revision)	April, 2021	1	Indigenous
3	IS 10212 (Part 1):1986 <i>Reviewed In : 2021</i>	General requirements of packages for explosives: Part 1 commercial high explosives (First Revision)	April, 2021	1	Indigenous
4	IS 10373:1982 <i>Reviewed In : 2021</i>	Specification for plastic boxes for safety matches	April, 2021	-	Indigenous
5	IS 10821:1984 <i>Reviewed In : 2021</i>	Specification for calcium nitrate for explosive industry	April, 2021	-	Indigenous
6	IS 1091:2025	NITROCELLULOSE - SPECIFICATION (Fourth Revision)		-	Indigenous
7	IS 10977:2025	SPECIFICATION FOR PENTAERYTHRITOL FOR EXPLOSIVE INDUSTRY (First Revision)		-	Indigenous
8	IS 11483:1985 <i>Reviewed In : 2021</i>	Specification for amorces (Paper Caps For Toy Piston)	April, 2021	1	Indigenous
9	IS 11491:1985 <i>Reviewed In : 2021</i>	Specification for blasting soluble nitrocellulose for explosives industry	April, 2021	1	Indigenous
10	IS 11783:2025	FERROSILICON FOR EXPLOSIVE AND PYROTECHNIC INDUSTRY $i_{1/2}$ SPECIFICATION (First Revision)		-	Indigenous
11	IS 11803:1986 <i>Reviewed In : 2021</i>	Specification for magnesium oxide for explosive ammunition protective compositions and pyrotechnic industry	April, 2021	-	Indigenous
12	IS 12238:1987 <i>Reviewed In : 2021</i>	Specification for colour and star matches in boxes	April, 2021	-	Indigenous
13	IS 12276:1988	Specification for dextrin for	April, 2021	-	Indigenous

	Reviewed In : 2021	explosive and pyrotechnic industry			
14	IS 12437:1988 Reviewed In : 2023	Specification for zirconium powder for use in explosive and pyrotechnic industry	September, 2023	1	Indigenous
15	IS 12630:1989 Reviewed In : 2021	Pyrotechnics - Fireworks black serpent pellets - Specification	April, 2021	1	Indigenous
16	IS 12631:1989 Reviewed In : 2021	Pyrotechnics - fireworks pencils - Specification	April, 2021	1	Indigenous
17	IS 12632:1989 Reviewed In : 2021	Pyrotechnics - Fireworks twinkling stars - Specification	April, 2021	1	Indigenous
18	IS 12681:2025	SODIUM NITRATE FOR EXPLOSIVES AND PYROTECHNIC INDUSTRY - SPECIFICATION (First Revision)		-	Indigenous
19	IS 12684:1989 Reviewed In : 2021	Calcium stearate for explosives and - Pyrotechnic industry - Specification	April, 2021	-	Indigenous
20	IS 12739:1989 Reviewed In : 2023 Reaffirmed but not taken up for revision	Fireworks conical flowerpots - Specification	July, 2023	1	Indigenous
21	IS 12980:1990 Reviewed In : 2021	Fireworks rockets - Specification	April, 2021	1	Indigenous
22	IS 13227:1991 Reviewed In : 2021	Fireworks whistles - Specification	April, 2021	1	Indigenous
23	IS 13522:1992 Reviewed In : 2021	Charcoal for explosives and pyrotechnic compositions - Specification	April, 2021	2	Indigenous
24	IS 13524:1992 Reviewed In : 2021	Potassium Perchlorate for Explosives and Pyrotechnic Compositions specification	April, 2021	-	Indigenous
25	IS 13526:1992 Reviewed In : 2021	Sodium perchlorate solution for explosives and pyrotechnic compositions - Specification	April, 2021	-	Indigenous
26	IS 14784:2000 Reviewed In : 2021	Fireworks signal flares - Specification	April, 2021	-	Indigenous
27	IS 14931:2001 Reviewed In : 2021	Fireworks wheel - Specification	April, 2021	-	Indigenous
28	IS 15073 (Part 1):2002 Reviewed In : 2023	Packaging of electric detonators - Specification: Part 1 wooden cases	September, 2023	-	Indigenous
29	IS 15073 (Part 2):2008 Reviewed In : 2023	Packaging of electric detonator: Part 2 corrugated fibreboard cases	September, 2023	-	Indigenous
30	IS 15074 (Part 1):2002 Reviewed In : 2023	Packaging of non - Electric detonators - Specification: Part 1 wooden cases	September, 2023	-	Indigenous
31	IS 15447 (Part 1):2004 Reviewed In : 2021	Commercial blasting explosives - Specification: Part 1 nitroglycerine based explosives	April, 2021	-	Indigenous
32	IS 15447 (Part 2):2008 Reviewed In : 2023	Commercial blasting explosives: Part 2 slurry/emulsion explosives - Specification	September, 2023	1	Indigenous
33	IS 16581:2018 Reviewed In : 2023	High density polyethylene (HDPE)/polypropylene (PP) woven sacks for packing of solid ammonium nitrate for explosives - Specification	September, 2023	-	Indigenous

34	IS 17402:2021	Cupric Oxide for Explosives and Pyrotechnic Composition - Specification		-	Indigenous
35	IS 17403:2020 Reviewed In : 2025	Magnalium for Explosives and Pyrotechnic Composition - Specification	March, 2025	-	Indigenous
36	IS 18462:2023	ELECTRONIC DETONATORS SPECIFICATION		-	Indigenous
37	IS 19141:2025	CORD RELAYS SPECIFICATION		-	Indigenous
38	IS 19229:2025	SHOCK TUBE DETONATORS SPECIFICATION		-	Indigenous
39	IS 2012:2006 Reviewed In : 2021	Red phosphorus - Specification (First Revision)	April, 2021	-	Indigenous
40	IS 2307:2004 Reviewed In : 2021	Magnesium powder for explosive and pyrotechnic compositions - Specification (Second Revision)	April, 2021	1	Indigenous
41	IS 2653:2004 Reviewed In : 2021	Safety matches in boxes - Specification (Third Revision)	April, 2021	1	Indigenous
42	IS 301:1982 Reviewed In : 2021	Specification for potassium nitrate for explosive and pyrotechnic compositions (Second Revision)	April, 2021	1	Indigenous
43	IS 438:2006 Reviewed In : 2021	Aluminium powder for explosives and pyrotechnic compositions - Specification (Second Revision)	April, 2021	1	Indigenous
44	IS 4396:1981 Reviewed In : 2021	Specification for barium nitrate for explosive and pyrotechnic compositions (First Revision)	April, 2021	1	Indigenous
45	IS 4668:1985 Reviewed In : 2021	Specification for ammonium nitrate for explosives (First Revision)	April, 2021	2	Indigenous
46	IS 5670:1984 Reviewed In : 2021	Specification for lead thiocyanate for explosive and pyrotechnic compositions (First Revision)	April, 2021	1	Indigenous
47	IS 5671:1984 Reviewed In : 2021	Specification for strontium nitrate for pyrotechnic compositions (First Revision)	April, 2021	1	Indigenous
48	IS 5713:1981 Reviewed In : 2021	Specification for manganese dioxide for explosive and pyrotechnic compositions (First Revision)	April, 2021	-	Indigenous
49	IS 5731:1970 Reviewed In : 2021	Specification for antimony sulphide for explosive and pyrotechnic compositions	April, 2021	2	Indigenous
50	IS 6609 (Part 1):1972 Reviewed In : 2021	Methods of test for commercial blasting explosives and accessories: Part 1 gun powder	April, 2021	-	Indigenous
51	IS 6609 (Part 2/Sec 1):1973 Reviewed In : 2021	Methods of test for commercial blasting explosives and accessories: Part 2 explosives: Sec 1 explosives, general	April, 2021	-	Indigenous
52	IS 6609 (Part 2/Sec 2):1974 Reviewed In : 2021	Methods of test for commercial blasting explosives and accessories: Part 2 explosives: Sec 2 explosives, permitted	April, 2021	1	Indigenous
53	IS 6609 (Part 2/Sec 3):1980 Reviewed In : 2021	Methods of test for commercial blasting explosives and accessories: Part 2 explosives: Sec 3 explosives, slurry	April, 2021	-	Indigenous

54	IS 6609 (Part 3):2023 Reviewed In : 2024	Commercial Blasting Explosives and Accessories i½ Methods of Test Part 3 Detonators, General and Permitted (First Revision)	September, 2024	-	Indigenous
55	IS 6609 (Part 4):2020 Reviewed In : 2025	Methods of Test For Commercial Blasting Explosives and Accessories Part 4 Detonating Fuses (Second Revision)	March, 2025	-	Indigenous
56	IS 6609 (Part 5):1972 Reviewed In : 2021	Methods of test for commercial blasting explosives and accessories: Part 4 safety fuses	April, 2021	-	Indigenous
57	IS 708:1987 Reviewed In : 2021	Specification for potassium chlorate for explosive and pyrotechnic industry (Second Revision)	April, 2021	1	Indigenous
58	IS 7124:1973 Reviewed In : 2023	Specification for gun powder	November, 2023	1	Indigenous
59	IS 7401:1987 Reviewed In : 2023	Specification for paraffin wax for explosive and pyrotechnic industry (First Revision)	September, 2023	1	Indigenous
60	IS 7526:1996 Reviewed In : 2019 Decision taken to Reaffirm and Archive	Detonating fuses - Specification (Second Revision)	March, 2019	-	Indigenous
61	IS 7588:1992 Reviewed In : 2021	Barytes for explosives and pyrotechnic compositions - Specification (First Revision)	April, 2021	-	Indigenous
62	IS 7589:1974 Reviewed In : 2021	Specification for china clay for explosive and pyrotechnic industry	April, 2021	-	Indigenous
63	IS 7602:1975 Reviewed In : 2021	Specification for lead chromate for explosive and pyrotechnic compositions	April, 2021	-	Indigenous
64	IS 7632:2025	Detonators - Specification (First Revision)		-	Indigenous
65	IS 7633:1982 Reviewed In : 2021	Specification for calcium carbonate for explosive and pyrotechnic industry (First Revision)	April, 2021	1	Indigenous
66	IS 7738:1975 Reviewed In : 2021	Specification for safety fuse for commercial use	April, 2021	-	Indigenous
67	IS 7886:2025	BARIUM CHROMATE FOR EXPLOSIVES AND PYROTECHNIC INDUSTRY SPECIFICATION (Second Revision)		-	Indigenous
68	IS 8063:1976 Reviewed In : 2021	Specification for red lead for explosive and pyrotechnic industry	April, 2021	1	Indigenous
69	IS 9600:1980 Reviewed In : 2021	Specification for safety matches in booklet	April, 2021	-	Indigenous
70	IS 9880:1981 Reviewed In : 2021	Specification for wax - Coated paper splints	April, 2021	1	Indigenous

Standards under Development

Projects Approved

SI. No.	Doc No.	Title
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No Records Found

Preliminary Draft Standards

Sl. No.	Doc No.	Title
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No Records Found

Drafts Standards in WC Stage

Sl. No.	Doc No.	Title
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No Records Found

Draft Standards Completed WC Stage

Sl. No.	Doc No.	Title
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No Records Found

Finalized Draft Indian Standard

Sl. No.	Doc No.	Title
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No Records Found

Finalized Draft Indian Standards under Print

Sl. No.	Doc No.	Title
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1	CHD 26 (23635) Amendment of: IS 7124:1973	Gun Powder Specification First Revision
2	CHD 26 (23651) Revision of: IS 12437:1988	SPECIFICATION FOR ZIRCONIUM POWDER FOR USE IN EXPLOSIVE AND PYROTECHNIC INDUSTRY First Revision
3	CHD 26 (23678) Revision of: IS 7401:1987	SPECIFICATION FOR PARAFFIN WAX FOR EXPLOSIVE AND PYROTECHNIC INDUSTRY Second Revision
4	CHD 26 (27739)	Cast Booster Specification
5	CHD 26 (27740)	Emulsion Booster Specification
6	CHD 26 (27741)	Shock Tube Specification
7	CHD 26 (27868) Revision of: IS 4668:1985	Ammonium nitrate for explosives Specification Second Revision
8	CHD 26 (32815)	Mechanical and Thermal Characterisation of Composite Solid Rocket Propellant and Its Interfaces Part 1 Evaluation of Uniaxial Tensile Mechanical Properties

Total Published Standards:67 Total Standards Under development:8

Aspect Wise Report

Product : 62
Code of Practices : 0
Methods of Test : 7
Terminology : 1
Dimensions : 0
System Standard : 0
Safety Standard : 0
Others : 0
Service Specification : 0
Process Specification : 0
Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title
1	IS 10374:1982 Reviewed In : 1998	Wooden splints for safety matches
2	IS 12975:1990	Fireworks aeroplanes

Annexure-II :List of Indian Product Standards

SI. No.	IS No. & Year	Title
1	IS 10126:1986 Reviewed In : 2021 Reaffirmed but not taken up for revision	Specification for sparklers First Revision
2	IS 10212 (Part 1):1986 Reviewed In : 2021	General requirements of packages for explosives Part 1 commercial high explosives First Revision
3	IS 10373:1982 Reviewed In : 2021	Specification for plastic boxes for safety matches
4	IS 10821:1984 Reviewed In : 2021	Specification for calcium nitrate for explosive industry
5	IS 1091:2025	NITROCELLULOSE - SPECIFICATION Fourth Revision
6	IS 10977:2025	SPECIFICATION FOR PENTAERYTHRITOL FOR EXPLOSIVE INDUSTRY First Revision
7	IS 11483:1985 Reviewed In : 2021	Specification for amorces Paper Caps For Toy Piston
8	IS 11491:1985 Reviewed In : 2021	Specification for blasting soluble nitrocellulose for explosives industry
9	IS 11783:2025	FERROSILICON FOR EXPLOSIVE AND PYROTECHNIC INDUSTRY SPECIFICATION First Revision
10	IS 11803:1986 Reviewed In : 2021	Specification for magnesium oxide for explosive ammunition protective compositions and pyrotechnic industry
11	IS 12238:1987 Reviewed In : 2021	Specification for colour and star matches in boxes
12	IS 12276:1988 Reviewed In : 2021	Specification for dextrin for explosive and pyrotechnic industry
13	IS 12437:1988 Reviewed In : 2023	Specification for zirconium powder for use in explosive and pyrotechnic industry
14	IS 12630:1989 Reviewed In : 2021	Pyrotechnics - Fireworks black serpent pellets - Specification
15	IS 12631:1989 Reviewed In : 2021	Pyrotechnics - fireworks pencils - Specification
16	IS 12632:1989 Reviewed In : 2021	Pyrotechnics - Fireworks twinkling stars - Specification
17	IS 12681:2025	SODIUM NITRATE FOR EXPLOSIVES AND PYROTECHNIC INDUSTRY - SPECIFICATION First Revision
18	IS 12684:1989 Reviewed In : 2021	Calcium stearate for explosives and - Pyrotechnic industry - Specification
19	IS 12739:1989 Reviewed In : 2023 Reaffirmed but not taken up for revision	Fireworks conical flowerpots - Specification
20	IS 12980:1990 Reviewed In : 2021	Fireworks rockets - Specification
21	IS 13227:1991 Reviewed In : 2021	Fireworks whistles - Specification
22	IS 13522:1992 Reviewed In : 2021	Charcoal for explosives and pyrotechnic compositions - Specification
23	IS 13524:1992 Reviewed In : 2021	Potassium Perchlorate for Explosives and Pyrotechnic Compositions specification

24	IS 13526:1992 Reviewed In : 2021	Sodium perchlorate solution for explosives and pyrotechnic compositions - Specification
25	IS 14784:2000 Reviewed In : 2021	Fireworks signal flares - Specification
26	IS 14931:2001 Reviewed In : 2021	Fireworks wheel - Specification
27	IS 15073 (Part 1):2002 Reviewed In : 2023	Packaging of electric detonators - Specification Part 1 wooden cases
28	IS 15073 (Part 2):2008 Reviewed In : 2023	Packaging of electric detonator Part 2 corrugated fibreboard cases
29	IS 15074 (Part 1):2002 Reviewed In : 2023	Packaging of non - Electric detonators - Specification Part 1 wooden cases
30	IS 15447 (Part 1):2004 Reviewed In : 2021	Commercial blasting explosives - Specification Part 1 nitroglycerine based explosives
31	IS 15447 (Part 2):2008 Reviewed In : 2023	Commercial blasting explosives Part 2 slurry emulsion explosives - Specification
32	IS 16581:2018 Reviewed In : 2023	High density polyethylene HDPE polypropylene PP woven sacks for packing of solid ammonium nitrate for explosives - Specification
33	IS 17402:2021	Cupric Oxide for Explosives and Pyrotechnic Composition - Specification
34	IS 17403:2020 Reviewed In : 2025	Magnalium for Explosives and Pyrotechnic Composition Specification
35	IS 18462:2023	ELECTRONIC DETONATORS SPECIFICATION
36	IS 19141:2025	CORD RELAYS SPECIFICATION
37	IS 19229:2025	SHOCK TUBE DETONATORS SPECIFICATION
38	IS 2012:2006 Reviewed In : 2021	Red phosphorus - Specification First Revision
39	IS 2307:2004 Reviewed In : 2021	Magnesium powder for explosive and pyrotechnic compositions - Specification Second Revision
40	IS 2653:2004 Reviewed In : 2021	Safety matches in boxes - Specification Third Revision
41	IS 301:1982 Reviewed In : 2021	Specification for potassium nitrate for explosive and pyrotechnic compositions Second Revision
42	IS 438:2006 Reviewed In : 2021	Aluminium powder for explosives and pyrotechnic compositions - Specification Second Revision
43	IS 4396:1981 Reviewed In : 2021	Specification for barium nitrate for explosive and pyrotechnic compositions First Revision
44	IS 4668:1985 Reviewed In : 2021	Specification for ammonium nitrate for explosives First Revision
45	IS 5670:1984 Reviewed In : 2021	Specification for lead thiocyanate for explosive and pyrotechnic compositions First Revision
46	IS 5671:1984 Reviewed In : 2021	Specification for strontium nitrate for pyrotechnic compositions First Revision
47	IS 5713:1981 Reviewed In : 2021	Specification for manganese dioxide for explosive and pyrotechnic compositions First Revision
48	IS 5731:1970 Reviewed In : 2021	Specification for antimony sulphide for explosive and pyrotechnic compositions
49	IS 708:1987 Reviewed In : 2021	Specification for potassium chlorate for explosive and pyrotechnic industry Second Revision
50	IS 7124:1973 Reviewed In : 2023	Specification for gun powder
51	IS 7401:1987 Reviewed In : 2023	Specification for paraffin wax for explosive and pyrotechnic industry First Revision

52	IS 7526:1996 Reviewed In : 2019 Decision taken to Reaffirm and Archive	Detonating fuses - Specification Second Revision
53	IS 7588:1992 Reviewed In : 2021	Barytes for explosives and pyrotechnic compositions - Specification First Revision
54	IS 7589:1974 Reviewed In : 2021	Specification for china clay for explosive and pyrotechnic industry
55	IS 7602:1975 Reviewed In : 2021	Specification for lead chromate for explosive and pyrotechnic compositions
56	IS 7632:2025	Detonators - Specification First Revision
57	IS 7633:1982 Reviewed In : 2021	Specification for calcium carbonate for explosive and pyrotechnic industry First Revision
58	IS 7738:1975 Reviewed In : 2021	Specification for safety fuse for commercial use
59	IS 7886:2025	BARIUM CHROMATE FOR EXPLOSIVES AND PYROTECHNIC INDUSTRY SPECIFICATION Second Revision
60	IS 8063:1976 Reviewed In : 2021	Specification for red lead for explosive and pyrotechnic industry
61	IS 9600:1980 Reviewed In : 2021	Specification for safety matches in booklet
62	IS 9880:1981 Reviewed In : 2021	Specification for wax - Coated paper splints