

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 coommercial 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 $i_6^{1/2}$ 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 â€“ 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 i, 1/2 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

SI. No.	Doc No.	Title
No Records Found		

Drafts Standards in WC Stage

SI. No.	Doc No.	Title
No Records Found		

Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
No Records Found		

Finalized Draft Indian Standard

SI. No.	Doc No.	Title
No Records Found		

Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
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 coommercial 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 amores 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