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	Terms relating to commercial	April, 2021	-	Indigenous
	Reviewed In: 2021	explosives, pyrotechnics and			
		blasting practices			
2	IS 10126 : 1986	Specification for sparklers (First	April, 2021	1	Indigenous
	Reviewed In: 2021	Revision)			
	Reaffirmed but not				
	taken up for revision				
	TG 10010 (D + 1)		4 11 2021	1	Y 1'
3	IS 10212 (Part 1):	General requirements of packages	April, 2021	1	Indigenous
	1986	for explosives: Part 1 coommercial			
1	Reviewed In : 2021	high explosives (First Revision)	A: 1 2021		To diamono
4	IS 10373 : 1982 Reviewed In : 2021	Specification for plastic boxes for	April, 2021	-	Indigenous
5	IS 10821 : 1984	safety matches Specification for calcium nitrate	April, 2021	+	Indigenous
3	Reviewed In : 2021	for explosive industry	Aprii, 2021	·	margenous
6	IS 1091 : 1985	Specification for Nitrocellulose	August, 2023		Indigenous
	13 1091 . 1903	Specification for Nitrocentriose	August, 2023		margenous
	Reviewed In: 2023				
7	IS 10977 : 1984	Specification for pentarythritol for	September, 2023	1	Indigenous
,	Reviewed In: 2023	explosive industry	,		8
8	IS 11483 : 1985	Specification for amorces (Paper	April, 2021	1	Indigenous
	Reviewed In: 2021	Caps For Toy Piston)	1 ,		C
9	IS 11491 : 1985	Specification for blasting soluble	April, 2021	1	Indigenous
	Reviewed In: 2021	nitrocellulose for explosives	•		
		industry			
10	IS 11783 : 1986	Specification for ferrosilicon for	November, 2023	-	Indigenous
		explosive and pyrotechnic industry			
11	IS 11803 : 1986	Specification for magnesium oxide	April, 2021	-	Indigenous
	Reviewed In: 2021	for explosive ammunition			
		protective compositions and			
		pyrotechnic industry			
12	IS 12238 : 1987	Specification for colour and star	April, 2021	-	Indigenous
12	Reviewed In : 2021	matches in boxes	A 11 2021		T 1'
13	IS 12276 : 1988	Specification for dextrin for	April, 2021	-	Indigenous
1.4		explosive and pyrotechnic industry	Cantanals - 2002	1	Tu di ac
14	IS 12437 : 1988	Specification for zirconium	September, 2023	1	Indigenous
	Reviewed In: 2023	powder for use in explosive and			
<u> </u>		pyrotechnic industry			

15	IS 12630 : 1989 Reviewed In : 2021	Pyrotechnics - Fireworks black	April, 2021	1	Indigenous
16	IS 12631 : 1989	Specification Pyrotechnics - fireworks pencils -	April, 2021	1	Indigenous
17	Reviewed In: 2021 IS 12632: 1989 Reviewed In: 2021	Specification Pyrotechnics - Fireworks twinkling	April, 2021	1	Indigenous
18	IS 12681 : 1989 Reviewed In : 2023	Sodium nitrate for explosives and pyrotechnic industry -	November, 2023	-	Indigenous
19	IS 12684 : 1989 Reviewed In : 2021	Specification Calcium stearate for explosives and - Pyrotechnic industry -	April, 2021	-	Indigenous
20	IS 12739 : 1989 Reviewed In : 2023 Reaffirmed but not taken up for revision	Specification 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 -	September, 2023	-	Indigenous
34	IS 17402 : 2021	Specification Cupric Oxide for Explosives and Pyrotechnic Composition - Specification		-	Indigenous
35	IS 17403 : 2020	Magnalium for Explosives and Pyrotechnic Composition â€"		-	Indigenous

I		Specification		1 1	
36	IS 18462 : 2023	ELECTRONIC DETONATORS		_	Indigenous
	10 10 102 . 2023	SPECIFICATION			margenous
37	IS 2012 : 2006	Red phosphorus - Specification	April, 2021	-	Indigenous
	Reviewed In: 2021	(First Revision)	Γ ,		. 6
38	IS 2307 : 2004	Magnesium powder for explosive	April, 2021	1	Indigenous
	Reviewed In: 2021	and pyrotechnic compositions -	•		· ·
		Specification (Second Revision)			
39	IS 2653 : 2004	Safety matches in boxes -	April, 2021	1	Indigenous
	Reviewed In: 2021	Specification (Third Revision)			
40	IS 301 : 1982	Specification for potassium nitrate	April, 2021	1	Indigenous
	Reviewed In: 2021	for explosive and pyrotechnic			
		compositions (Second Revision)			
41	IS 438 : 2006	Aluminium powder for explosives	April, 2021	1	Indigenous
	Reviewed In: 2021	and pyrotechnic compositions -			
42	YO 1206 1001	Specification (Second Revision)			
42	IS 4396 : 1981	Specification for barium nitrate for	April, 2021	1	Indigenous
	Reviewed In: 2021	explosive and pyrotechnic			
42	IC 4660 - 1005	compositions (First Revision)	A:1 2021	2	To di can ava
43	IS 4668: 1985	Specification for ammonium	April, 2021	2	Indigenous
	Reviewed In: 2021	nitrate for explosives (First Revision)			
44	IS 5670 : 1984	Specification for lead thiocyanate	April, 2021	1	Indigenous
	Reviewed In : 2021	for explosive and pyrotechnic	Aprii, 2021	1	muigenous
	Reviewed III . 2021	compositions (First Revision)			
45	IS 5671 : 1984	Specification for strontium nitrate	April, 2021	1	Indigenous
"	Reviewed In: 2021	for pyrotechnic compositions (First	11pm, 2021		margenous
	iteviewed in : 2021	Revision)			
46	IS 5713 : 1981	Specification for manganese	April, 2021	-	Indigenous
	Reviewed In: 2021	dioxide for explosive and	1 ,		C
		pyrotechnic compositions (First			
		Revision)			
47	IS 5731 : 1970	Specification for antimony	April, 2021	2	Indigenous
	Reviewed In: 2021	sulphide for explosive and			
		pyrotechnic compositions			
48	IS 6609 (Part 1):	Methods of test for commercial	April, 2021	-	Indigenous
	1972	blasting explosives and accessories:			
40	Reviewed In: 2021	Part 1 gun powder	1 2021		T 1'
49	IS 6609 (Part 2/Sec		April, 2021	-	Indigenous
	1): 1973	blasting explosives and accessories:			
	Reviewed In: 2021	Part 2 explosives: Sec 1 explosives, general			
50	IS 6609 (Part 2/Sec	Methods of test for commercial	April, 2021	1	Indigenous
30	2): 1974	blasting explosives and accessories:	11p111, 2021	'	margonous
	· · · · · · · · · · · · · · · · · · ·	Part 2 explosives: Sec 2 explosives,			
	5.11.70d III , 2021	permitted			
51	IS 6609 (Part 2/Sec	<u> </u>	April, 2021	-	Indigenous
	3): 1980	blasting explosives and accessories:	. /		Ç
	· ·	Part 2 explosives: Sec 3 explosives,			
		slurry			
52	IS 6609 (Part 3):	Methods standard of test for	March, 2019	-	Indigenous
	1973	commercial blasting explosives and			
	Reviewed In: 2019	accessories: Part 3 detonators,			
L	X 0.6600.77	general and permitted	0		· ··
53	IS 6609 (Part 3):	Commercial Blasting Explosives	September, 2024	-	Indigenous
	2023	and Accessories � Methods of			
	Reviewed In: 2024	Test Part 3 Detonators, General			
54	IS 6609 (Part 4):	and Permitted (First Revision) Methods of Test For Commercial			Indigenous
5	15 0003 (1 alt 4).	menious of Test For Commercial	-	-	muigenous

	2020	Blasting Explosives and Accessories Part 4 Detonating Fuses (Second Revision)			
55	IS 6609 (Part 5): 1972 Reviewed In: 2021	Methods of test for commercial blasting explosives and accessories: Part 4 safety fuses	April, 2021	-	Indigenous
56	IS 708 : 1987 Reviewed In : 2021	Specification for potassium chlorate for explosive and pyrotechnic industry (Second Revision)	April, 2021	1	Indigenous
57	IS 7124 : 1973 Reviewed In : 2023	Specification for gun powder	November, 2023	1	Indigenous
58	IS 7401 : 1987 Reviewed In : 2023	Specification for paraffin wax for explosive and pyrotechnic industry (First Revision)	September, 2023	1	Indigenous
59	IS 7526: 1996 Reviewed In: 2019 Decision taken to Reaffirm and Archive	Detonating fuses - Specification (Second Revision)	March, 2019	-	Indigenous
60	IS 7588 : 1992 Reviewed In : 2021	Barytes for explosives and pyrotechnic compositions - Specification (First Revision)	April, 2021	-	Indigenous
61	IS 7589 : 1974 Reviewed In : 2021	Specification for china clay for explosive and pyrotechnic industry	April, 2021	-	Indigenous
62	IS 7602 : 1975 Reviewed In : 2021	Specification for lead chromate for explosive and pyrotechnic compositions	April, 2021	-	Indigenous
63	IS 7632 : 1975 Reviewed In : 2021	Specification for detonators	April, 2021	-	Indigenous
64	IS 7633 : 1982 Reviewed In : 2021	Specification for calcium carbonate for explosive and pyrotechnic industry (First Revision)	April, 2021	1	Indigenous
65	IS 7738 : 1975 Reviewed In : 2021	Specification for safety fuse for commercial use	April, 2021	-	Indigenous
66	IS 7886 : 1997 Reviewed In : 2023	Barium chromate for explosives and pyrotechnic industry - Specification (First Revision)	November, 2023	-	Indigenous
67	IS 8063 : 1976 Reviewed In : 2021	Specification for red lead for explosive and pyrotechnic industry	April, 2021	1	Indigenous
68	IS 9600 : 1980 Reviewed In : 2021	Specification for safety matches in booklet	April, 2021	-	Indigenous
69	IS 9880 : 1981 Reviewed In : 2021	Specification for wax - Coated paper splints	April, 2021	1	Indigenous

Standards under Development

Projects Approved				
SI. No.	SI. No. Doc No. Title			
No Records Found				

Preliminary Draft Standards				
SI. No.	SI. No. Doc No. Title			
No Records Found				

Drafts Standards in WC Stage				
SI. No.	SI. No. Doc No. Title			
No Records Found				

	Draft Standards Completed WC Stage				
SI. No.	Doc No.	Title			
1	CHD 26 (16100)	SHOCK TUBE DETONATORS SPECIFICATION			
2	CHD 26 (16101)	CORD RELAYS SPECIFICATION			
3	CHD 26 (23634)	NITROCELLULOSE SPECIFICATION Fourth Revision			
4	CHD 26 (23635)	SPECIFICATION FOR GUN POWDER First Revision			
5	CHD 26 (23636)	SPECIFICATION FOR PENTAERYTHRITOL FOR EXPLOSIVE INDUSTRY First Revision			
6	CHD 26 (23638)	SODIUM NITRATE FOR EXPLOSIVES AND PYROTECHNIC INDUSTRY SPECIFICATION			
		First Revision			
7	CHD 26 (23651)	SPECIFICATION FOR ZIRCONIUM POWDER FOR USE IN EXPLOSIVE AND			
		PYROTECHNIC INDUSTRY First Revision			
8	CHD 26 (23675)	BARIUM CHROMATE FOR EXPLOSIVES AND PYROTECHNIC INDUSTRY			
		SPECIFICATION Second Revision			
9	CHD 26 (23678)	SPECIFICATION FOR PARAFFIN WAX FOR EXPLOSIVE AND PYROTECHNIC			
		INDUSTRY Second Revision			

	Finalized Draft Indian Standard			
SI. No.	Doc No.	Title		
1	CHD 26 (23649) Revision	FERROSILICON FOR EXPLOSIVE AND PYROTECHNIC INDUSTRY SPECIFICATION		
	of: IS 11783:1986	First Revision		

	Finalized Draft Indian Standards under Print		
SI. No.	Doc No.	Title	
1	CHD 26 (14570) Revision	Detonators - specification	
	of: IS 7632:1975		

Total Published Standards:67 Total Standards Under development:11

Aspect Wise Report

Product: 60
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	Wooden splints for safety matches
	Reviewed In: 1998	
2	IS 12975 : 1990	Fireworks aeroplanes

Annexure-II :List of Indian Product Standards

SI. No.	IS No. & Year	Title
1	IS 10126 : 1986	Specification for sparklers First Revision
	Reviewed In: 2021	
	Reaffirmed but not taken up	
	for revision	
2	IS 10212 (Part 1): 1986	General requirements of packages for explosives Part 1 commercial high explosives First
	Reviewed In: 2021	Revision
3	IS 10373 : 1982	Specification for plastic boxes for safety matches
	Reviewed In: 2021	·
4	IS 10821 : 1984	Specification for calcium nitrate for explosive industry
	Reviewed In: 2021	
5	IS 1091 : 1985	Specification for Nitrocellulose
		•
	Reviewed In: 2023	
6	IS 10977 : 1984	Specification for pentarythritol for explosive industry
	Reviewed In: 2023	
7	IS 11483 : 1985	Specification for amorces Paper Caps For Toy Piston
	Reviewed In: 2021	
8	IS 11491 : 1985	Specification for blasting soluble nitrocellulose for explosives industry
	Reviewed In: 2021	
9	IS 11783 : 1986	Specification for ferrosilicon for explosive and pyrotechnic industry
	Reviewed In: 2023	
10	IS 11803 : 1986	Specification for magnesium oxide for explosive ammunition protective compositions and
10	Reviewed In: 2021	pyrotechnic industry
11	IS 12238 : 1987	Specification for colour and star matches in boxes
	Reviewed In: 2021	
12	IS 12276 : 1988	Specification for dextrin for explosive and pyrotechnic industry
12	Reviewed In: 2021	specification for destinition explosive and pyroteenine industry
13	IS 12437 : 1988	Specification for zirconium powder for use in explosive and pyrotechnic industry
13	Reviewed In: 2023	Specification for Encommin powder for use in explosive and pyrotechnic industry
14	IS 12630 : 1989	Pyrotechnics - Fireworks black serpent pellets - Specification
1.	Reviewed In: 2021	1 yrotechnics 1 neworks officer penets oppositionation
15	IS 12631 : 1989	Pyrotechnics - fireworks pencils - Specification
13	Reviewed In: 2021	1 yroteenines The works penens opeen readon
16	IS 12632 : 1989	Pyrotechnics - Fireworks twinkling stars - Specification
10	Reviewed In : 2021	1 jioteenines 1 neworks twinking stars Speenreadon
17	IS 12681 : 1989	Sodium nitrate for explosives and pyrotechnic industry - Specification
1.7	Reviewed In: 2023	Socialis instate for expressives and pyroteenine industry specification
18	IS 12684 : 1989	Calcium stearate for explosives and - Pyrotechnic industry - Specification
10	Reviewed In : 2021	caretain otenane for enpressive and a processine industry openiounous
19	IS 12739 : 1989	Fireworks conical flowerpots - Specification
17	Reviewed In : 2023	The north content from openineuton
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	for revision	
20	IS 12980 : 1990	Fireworks rockets - Specification
20	Reviewed In : 2021	The works tookens openieution
21	IS 13227 : 1991	Fireworks whistles - Specification
21	Reviewed In : 2021	The works will such a poem feation
22	IS 13522 : 1992	Charcoal for explosives and pyrotechnic compositions - Specification
<i>44</i>	Reviewed In : 2021	Charton for explosites and pyroteenine compositions - specification
23	IS 13524 : 1992	Potassium Perchlorate for Explosives and Pyrotechnic Compositions specification
23	Reviewed In : 2021	2 canonian 1 ordinatate for Employing and 1 growenine compositions specification
24	IS 13526 : 1992	Sodium perchlorate solution for explosives and pyrotechnic compositions - Specification
∠ ⊤	Reviewed In : 2021	Social peremotic solution for explosives and pyrocenine compositions. Specification
25	IS 14784 : 2000	Fireworks signal flares - Specification
43	Reviewed In : 2021	i neworks signal riales - specification
26	IS 14931 : 2001	Fireworks wheel - Specification
20	10 17/31 . 2001	i neworks wheel - specification

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38 IS 2653 : 2004 Safety matches in boxes - Specification Third Revision Reviewed In : 2021 39 IS 301 : 1982 Specification for potassium nitrate for explosive and pyrotechnic composition Reviewed In : 2021 40 IS 438 : 2006 Aluminium powder for explosives and pyrotechnic compositions - Specification Reviewed In : 2021	ion Second Revision
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40 IS 438 : 2006 Aluminium powder for explosives and pyrotechnic compositions - Specificat Reviewed In : 2021	ons Second Revision
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41 IS 4396 : 1981 Specification for harium nitrate for explosive and pyrotechnic composition	
	ons First Revision
Reviewed In: 2021	
42 IS 4668: 1985 Specification for ammonium nitrate for explosives First Revi	ision
Reviewed In: 2021	
43 IS 5670: 1984 Specification for lead thiocyanate for explosive and pyrotechnic compositi	ons First Revision
Reviewed In: 2021	
44 IS 5671: 1984 Specification for strontium nitrate for pyrotechnic compositions Fin	st Revision
Reviewed In: 2021	
45 IS 5713: 1981 Specification for manganese dioxide for explosive and pyrotechnic composi	tions First Revision
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46 IS 5731: 1970 Specification for antimony sulphide for explosive and pyrotechnic c	ompositions
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47 IS 708: 1987 Specification for potassium chlorate for explosive and pyrotechnic industry	y Second Revision
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48 IS 7124 : 1973 Specification for gun powder	
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49 IS 7401 : 1987 Specification for paraffin wax for explosive and pyrotechnic industry	First Revision
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50 IS 7526 : 1996 Detonating fuses - Specification Second Revision	
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51 IS 7588: 1992 Barytes for explosives and pyrotechnic compositions - Specification F	7 D
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52 IS 7589: 1974 Specification for china clay for explosive and pyrotechnic inc	
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53 IS 7602: 1975 Specification for lead chromate for explosive and pyrotechnic con	lustry

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55	IS 7633 : 1982	Specification for calcium carbonate for explosive and pyrotechnic industry First Revision
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56	IS 7738 : 1975	Specification for safety fuse for commercial use
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57	IS 7886 : 1997	Barium chromate for explosives and pyrotechnic industry - Specification First Revision
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58	IS 8063 : 1976	Specification for red lead for explosive and pyrotechnic industry
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59	IS 9600 : 1980	Specification for safety matches in booklet
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60	IS 9880 : 1981	Specification for wax - Coated paper splints
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