

BUREAU OF INDIAN STANDARDS

Program of Work

CED 53 : Cement Matrix Products

Scope: STANDARDIZATION IN THE FIELD OF PRECAST CONCRETE PRODUCTS, CONCRETE PIPES, CONCRETE POLES AND FIBRE REINFORCED CEMENT PRODUCTS.

Liaison: **ISO TC-77 (O):** *Products in fibre reinforced cement*

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 11267 : 1985 Reviewed In : 2020	Method of test for length distribution (Wet Classification Of Fibre Length) of chrysotile asbestos fibre using turner and newall classifier	August, 2020	-	Indigenous
2	IS 11275 : 1985 Reviewed In : 2020	Method of test for determination of crudiness and grit content of asbestos fibre	August, 2020	-	Indigenous
3	IS 11276 : 1985 Reviewed In : 2020	Method of test for determination of openness or fiberization of chrysotile asbestos fibre by air permeability method using rapid surface area apparatus	August, 2020	-	Indigenous
4	IS 11450 : 2006 Reviewed In : 2021	Method for determination of airborne asbestos fibre concentration in work environment by light microscopy (Membrane Filter Method) (First Revision)	July, 2021	-	Indigenous
5	IS 11451 : 1986 Reviewed In : 2020	Recommendations for safety and health requirements relating to occupational exposure to asbestos	August, 2020	1	Indigenous
6	IS 11707 : 1986 Reviewed In : 2020	Glossary of terms relating to asbestos	August, 2020	-	Indigenous
7	IS 11767 : 2005 Reviewed In : 2020	Recommendations for cleaning of premises and plants using asbestos fibres (First Revision)	August, 2020	-	Indigenous
8	IS 11768 : 1986 Reviewed In : 2020	Recommendations for disposal of asbestos waste material	August, 2020	1	Indigenous
9	IS 11769 (Part 1) : 1987 Reviewed In : 2022	Guidelines for safe use of products containing asbestos: Part 1 asbestos cement products	January, 2022	1	Indigenous
10	IS 11769 (Part 2) : 2005 Reviewed In : 2021	Guidelines for safe use of products containing asbestos: Part 2 friction materials (First Revision)	February, 2021	-	Indigenous
11	IS 11769 (Part 3) : 1986 Reviewed In : 2022	Guidelines For Safe Use Of Products Containing Asbestos: Part 3 Non-cement Asbestos Products	March, 2022	-	

		Other Than Friction Materials			
12	IS 11770 (Part 1) : 1987 Reviewed In : 2022	Recommendations for control of emission of asbestos dust in premises manufacturing products containing asbestos: Part 1 asbestos cement products	January, 2022	1	Indigenous
13	IS 11770 (Part 2) : 2006 Reviewed In : 2021 11770-2:2018	Recommendations for control of emission of asbestos dust in premises manufacturing products containing asbestos: Part 2 friction materials (First Revision)	February, 2021	-	Identical under single numbering
14	IS 11770 (Part 3) : 1987 Reviewed In : 2022 ISO/IEC 11770-3:2008	Recommendations For Control Of Emission Of Asbestos Dust In Premises Manufacturing Products Containing Asbestos: Part 3 Non-cement Asbestos Products Other Than Friction Materials	January, 2022	-	Identical under dual numbering
15	IS 12078 : 1987 Reviewed In : 2022	Recommendations for personal protection of workers engaged in handling asbestos	January, 2022	2	Indigenous
16	IS 12079 : 1987 Reviewed In : 2022	Recommendations for packaging, transport and storage of asbestos	January, 2022	-	Indigenous
17	IS 12080 : 1987 Reviewed In : 2022	Recommendations for local exhaust ventilation systems in premises manufacturing products containing asbestos	January, 2022	-	Indigenous
18	IS 12081 (Part 1) : 1987 Reviewed In : 2022	Recommendations for pictorial warning signs and precautionary notices for asbestos and products containing asbestos: Part 1 workplaces	January, 2022	1	Indigenous
19	IS 12081 (Part 2) : 1987 Reviewed In : 2022	Recommendations for pictorial warning signs and precautionary notices for asbestos and products containing asbestos: Part 2 asbestos and its products	January, 2022	1	Indigenous
20	IS 12082 (Part 1) : 2006 Reviewed In : 2021	Control of asbestos emission - Recommendations: Part 1 mining of asbestos ore (First Revision)	February, 2021	-	Indigenous
21	IS 12082 (Part 2) : 2006 Reviewed In : 2021	Control of asbestos emission - Recommendations: Part 2 milling of asbestos ore (First Revision)	February, 2021	-	Indigenous
22	IS 12440 : 1988 Reviewed In : 2020	Specification for precast concrete stone masonry blocks	August, 2020	-	Indigenous
23	IS 12592 : 2002 Reviewed In : 2023	Precast concrete manhole cover and frame - Specification (First Revision)	January, 2023	2	Indigenous
24	IS 13000 : 1990 Reviewed In : 2020	Silica-asbestos-cement Flat Sheets -	August, 2020	1	
25	IS 13008 : 1990 Reviewed In : 2020	Shallow corrugated asbestos cement sheets -	August, 2020	1	
26	IS 13158 : 1991 Reviewed In : 2022	Prestressed concrete circular spun poles for overhead power, traction and telecommunication lines -	January, 2022	-	
27	IS 1332 : 1986 Reviewed In : 2020	precast reinforced concrete street lighting poles	August, 2020	-	
28	IS 13356 : 1992 Reviewed In : 2022	Precast Ferrocement Water Tanks up to 10000 Litres Capacity -	January, 2022	-	
29	IS 14862 : 2000	Fibre cement flat sheets -	August, 2020	3	Not Equivalent

	Reviewed In : 2020 ISO 490:1994 ISO 8446:2017	specification			
30	IS 14871 : 2000 Reviewed In : 2020 ISO 490:1994 ISO 10904:2011	Products in fibre reinforced cement - Long corrugated or asymmetrical section sheets and fittings for roofing and cladding - Specification	August, 2020	2	Not Equivalent
31	IS 15155 : 2020	BARWIRE WRAPPED STEEL CYLINDER PIPES WITH MORTAR LINING AND COATING INCLUDING SPECIALS SPECIFICATION		1	Indigenous
32	IS 1592 : 2003 Reviewed In : 2023	Asbestos cement pressure pipes and joints - Specification (Fourth Revision)	November, 2023	3	Indigenous
33	IS 1626 (Part 1) : 1994 Reviewed In : 2020	Asbestos cement building pipes and pipe fittings, gutters and gutter fittings and roofing fitting: Part 1 pipe and pipe fittings (Second Revision)	August, 2020	-	Indigenous
34	IS 1626 (Part 2) : 1994 Reviewed In : 2020	Asbestos cement building pipes and pipe fittings, gutters and gutter fittings and roofing fittings: Part 2 gutter and gutter fittings) (Second Revision)	August, 2020	1	Indigenous
35	IS 1626 (Part 3) : 1994 Reviewed In : 2020	Asbestos Cement Building types and Pipe Fittings, Gutters and Gutter Fittings and Roofing Fittings - Part 3 : Roofing Fittings	August, 2020	-	
36	IS 16720 : 2018 Reviewed In : 2023	Pulverized Fuel Ash-Cement Bricks- Specification	April, 2023	2	Indigenous
37	IS 1678 : 1998 Reviewed In : 2023	Prestressed concrete poles for overhead power traction and telecommunication lines - Specification (Second Revision)	November, 2023	-	Indigenous
38	IS 17452 : 2020	Use of Alkali Activated Concrete for Precast Products - Guidelines		-	Indigenous
39	IS 17725 : 2022	PRECAST CONCRETE CIRCULAR MANHOLE SPECIFICATION		-	Indigenous
40	IS 17908 : 2023	FIBRE CEMENT SHEET -LIGHTWEIGHT CONCRETE SANDWICH PANELS $\frac{1}{2}$ SPECIFICATION		-	Indigenous
41	IS 1916 : 2018 Reviewed In : 2023	Steel cylinder pipes with concrete lining and coating - Specification (Second Revision)	September, 2023	-	Indigenous
42	IS 2096 : 1992 Reviewed In : 2022	Asbestos cement flat sheets - Specification (First Revision)	January, 2022	1	Indigenous
43	IS 2098 : 1997 Reviewed In : 2022	Asbestos cement building boards - Specification (First Revision)	January, 2022	-	Indigenous
44	IS 2174 : 1962 Reviewed In : 2023	Specification for reinforced concrete dust bins	January, 2023	-	Indigenous
45	IS 2185 (Part 1) : 2005 Reviewed In : 2020	Concrete masonry units - Specification: Part 1 hollow and solid concrete blocks (Third	August, 2020	-	Indigenous

		Revision)			
46	IS 2185 (Part 2) : 1983 Reviewed In : 2020	Specification for concrete masonry units: Part 2 hollow and solid lightweight concrete blocks (First Revision)	August, 2020	-	Indigenous
47	IS 2185 (Part 3) : 1984 Reviewed In : 2020	Concrete Masonry Units Part 3 Autoclaved Cellular Aerated Concrete Blocks	August, 2020	1	
48	IS 2185 (Part 4) : 2008 Reviewed In : 2019	Concrete masonry units - Specification: Part 4 preformed foam cellular concrete blocks	December, 2019	-	Indigenous
49	IS 2193 : 1986 Reviewed In : 2022	Precast Prestressed Concrete Street Lighting Poles	January, 2022	-	
50	IS 2572 : 2005 Reviewed In : 2020	Construction of hollow and solid concrete block masonry - Code of practice (First Revision)	August, 2020	-	Indigenous
51	IS 2905 : 1989 Reviewed In : 2022	Concrete poles for overhead power and telecommunication lines - Methods of test (First Revision)	January, 2022	-	Indigenous
52	IS 3007 (Part 1) : 1999 Reviewed In : 2019	Laying of Asbestos Cement Sheets - Code of Practice - Part 1 : Corrugated Sheets	November, 2019	-	
53	IS 3007 (Part 2) : 1999 Reviewed In : 2019	Laying of Asbestos Cement Sheets Code of practice - Part II : Semi-Corrugated Sheets	November, 2019	-	
54	IS 3597 : 1998 Reviewed In : 2023	Concrete pipes - Methods of test	November, 2023	3	
55	IS 3632 : 1969 Reviewed In : 2022	Method Of Test For Determination Of Wet Volume Of Asbestos Fibre	January, 2022	-	
56	IS 4350 : 1967 Reviewed In : 2022	concrete porous pipes for under-drainage	January, 2022	-	
57	IS 458 : 2021	Precast Concrete Pipes (with and without Reinforcement) -		1	Indigenous
58	IS 459 : 1992 Reviewed In : 2023	Corrugated and semi - Corrugated asbestos cement sheets - Specification (Third Revision)	January, 2023	4	Indigenous
59	IS 4844 : 1968 Reviewed In : 2022	Method of sampling and preparation of asbestos fibre for laboratory test purposes	January, 2022	-	Indigenous
60	IS 4996 : 1984 Reviewed In : 2020	Specification for reinforced concrete fence posts (First Revision)	August, 2020	-	Indigenous
61	IS 5328 : 1969 Reviewed In : 2022	Method of test for determination of chemical composition of asbestos fibre	January, 2022	-	
62	IS 5748 : 1969 Reviewed In : 2020	Method of test for tensile strength of asbestos fibre	August, 2020	-	Indigenous
63	IS 5751 : 1984 Reviewed In : 2022	Specification for precast concrete coping blocks (First Revision)	January, 2022	-	Indigenous
64	IS 5758 : 2020	Precast Concrete Kerbs, Channels, Edging, Quadrants and Other Associated Fittings - Specification (Second Revision)	-	1	Indigenous
65	IS 5820 : 1970 Reviewed In : 2022	Specification for precast concrete cable covers	January, 2022	-	Indigenous
66	IS 5913 : 2003 Reviewed In : 2023	Asbestos Cement Products - Methods of Test	November, 2023	-	
67	IS 6041 : 1985 Reviewed In : 2020	Code of practice for construction of autoclaved cellular concrete	August, 2020	-	Indigenous

		block masonry (First Revision)			
68	IS 6042 : 1969 Reviewed In : 2020	Code of practice for construction of light - Weight concrete block masonry	August, 2020	-	Indigenous
69	IS 6441 (Part 1) : 1972 Reviewed In : 2022	Methods of test for autoclaved cellular concrete products: Part 1 determination of unit weight or bulk density and moisture content	January, 2022	-	Indigenous
70	IS 6441 (Part 2) : 1972 Reviewed In : 2022	Methods of test for autoclaved cellular concrete products: Part 2 determination of drying shrinkage	January, 2022	-	Indigenous
71	IS 6441 (Part 4) : 1972 Reviewed In : 2022	Methods of test for autoclaved cellular concrete products: Part 4 corrosion protection of steel reinforcement in autoclave cellular concrete	January, 2022	-	Indigenous
72	IS 6441 (Part 5) : 1972 Reviewed In : 2022	Methods of test for autoclaved cellular concrete products: Part 5 determination of compressive strength	January, 2022	-	Indigenous
73	IS 6441 (Part 6) : 1973 Reviewed In : 2022	Methods of test for autoclaved cellular concrete products: Part 6 strength, deformation and cracking of flexural members subjects to bending, short duration loading test	January, 2022	-	Indigenous
74	IS 6441 (Part 7) : 1973 Reviewed In : 2022	Methods of test for autoclaved cellular concrete products: Part 7 strength, deformation and cracking of flexural members subject to bending sustained loading test	January, 2022	-	Indigenous
75	IS 6441 (Part 8) : 1973 Reviewed In : 2022	Methods of tests for autoclave cellular concrete products: Part 8 loading tests for flexural members in diagonal tension	January, 2022	-	Indigenous
76	IS 6441 (Part 9) : 1973 Reviewed In : 2022	Methods of test for autoclaved cellular concrete products: Part 9 jointing of autoclaved cellular concrete elements	January, 2022	-	Indigenous
77	IS 6523 : 1983 Reviewed In : 2023	Precast Reinforced Concrete Door and Window Frames	January, 2023	2	
78	IS 6530 : 1972 Reviewed In : 2022	Code of practice for laying of asbestos cement pressure pipes	January, 2022	1	
79	IS 6908 : 1991 Reviewed In : 2022	Asbestos - Cement pipes and fittings for sewerage and drainage - Specification (First Revision)	January, 2022	1	Indigenous
80	IS 7319 : 1974 Reviewed In : 2020	perforated concrete pipes	August, 2020	-	
81	IS 7321 : 1974 Reviewed In : 2020	Code of practice for selection, handling and erection of concrete poles for overhead power and telecommunication lines	August, 2020	-	
82	IS 7322 : 1985 Reviewed In : 2020	specials for steel cylinder reinforced concrete pipes	August, 2020	-	
83	IS 7639 : 1975 Reviewed In : 2019	Methods of sampling of asbestos cement products	November, 2019	-	
84	IS 783 : 1985 Reviewed In : 2022	Code of Practice for Laying of Concrete Pipes	January, 2022	2	
85	IS 784 : 2019	Prestressed concrete pipes (Including Specials) - Specification	-	1	Indigenous

(Third Revision)					
86	IS 785 : 1998 Reviewed In : 2019	Reinforced concrete poles for overhead power and telecommunication lines - Specification (Second Revision)	November, 2019	-	Indigenous
87	IS 8870 : 1978 Reviewed In : 2022	Specification for asbestos cement cable conduits and troughs	January, 2022	-	Indigenous
88	IS 9375 : 1979 Reviewed In : 2022	Precast Reinforced Concrete Plant Guards	January, 2022	-	
89	IS 9627 : 1980 Reviewed In : 2020	Specification for asbestos cement pressure pipes (Light Duty)	August, 2020	-	Indigenous
90	IS 9690 : 1980 Reviewed In : 2022	Method of test for determination of openness or fiberization of chrysotile asbestos fibre by air permeability method using dyckerhoff apparatus	January, 2022	-	Indigenous
91	IS 9691 : 1980 Reviewed In : 2022	Metho - D of test for length distribution (wet classification of fibre length) of chrysotile asbestos fibre using bauermcNett classifier	January, 2022	-	Indigenous
92	IS 9745 : 1981 Reviewed In : 2022	Method for determining strength giving properties of asbestos fibre	January, 2022	-	Indigenous
93	IS 9872 : 1981 Reviewed In : 2022	Specification for precast concrete septic tanks	January, 2022	-	Indigenous
94	IS 9893 : 1981 Reviewed In : 2022	Precast Concrete Blocks For Lintels And Sills	January, 2022	1	

Standards under Development

Projects Approved

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Preliminary Draft Standards

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Drafts Standards in WC Stage

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Finalized Draft Indian Standard

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
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1	CED 53 (22004) Revision of: IS 5820:1970	PRECAST CONCRETE CABLE COVERS SPECIFICATION
2	CED 53 (22006)	Precast Concrete Grating Specification

Total Published Standards:93 Total Standards Under development:2

Aspect Wise Report

Product : 44
 Code of Practices : 10
 Methods of Test : 22
 Terminology : 1
 Dimensions : 0
 System Standard : 0
 Safety Standard : 13
 Others : 3
 Service Specification : 0
 Process Specification : 0
 Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title
1	IS 784 : 2001 Reviewed In : 2010 61076-4-108	Prestressed Concrete Pipes Including Fittings -

Annexure-II :List of Indian Product Standards

SI. No.	IS No. & Year	Title
1	IS 12440 : 1988 Reviewed In : 2020	Specification for precast concrete stone masonry blocks
2	IS 12592 : 2002 Reviewed In : 2023	Precast concrete manhole cover and frame - Specification First Revision
3	IS 13000 : 1990 Reviewed In : 2020	Silica-asbestos-cement Flat Sheets -
4	IS 13008 : 1990 Reviewed In : 2020	Shallow corrugated asbestos cement sheets -
5	IS 13158 : 1991 Reviewed In : 2022	Prestressed concrete circular spun poles for overhead power traction and telecommunication lines -
6	IS 1332 : 1986 Reviewed In : 2020	precast reinforced concrete street lighting poles
7	IS 13356 : 1992 Reviewed In : 2022	Precast Ferrocement Water Tanks up to 10000 Litres Capacity -
8	IS 14862 : 2000 Reviewed In : 2020 ISO 490:1994 ISO 8446:2017	Fibre cement flat sheets - specification
9	IS 14871 : 2000 Reviewed In : 2020 ISO 490:1994 ISO 10904:2011	Products in fibre reinforced cement - Long corrugated or asymmetrical section sheets and fittings for roofing and cladding - Specification
10	IS 15155 : 2020	BARWIRE WRAPPED STEEL CYLINDER PIPES WITH MORTAR LINING AND COATING INCLUDING SPECIALS SPECIFICATION
11	IS 1592 : 2003 Reviewed In : 2023	Asbestos cement pressure pipes and joints - Specification Fourth Revision
12	IS 1626 (Part 1) : 1994 Reviewed In : 2020	Asbestos cement building pipes and pipe fittings gutters and gutter fittings and roofing fitting Part 1 pipe and pipe fittings Second Revision
13	IS 1626 (Part 2) : 1994 Reviewed In : 2020	Asbestos cement building pipes and pipe fittings gutters and gutter fittings and roofing fittings Part 2 gutter and gutter fittings Second Revision
		Asbestos Cement Building types and Pipe Fittings Gutters and Gutter Fittings and Roofing Fittings

14	IS 1626 (Part 3) : 1994 Reviewed In : 2020	- Part 3 Roofing Fittings
15	IS 16720 : 2018 Reviewed In : 2023	Pulverized Fuel Ash-Cement Bricks- Specification
16	IS 1678 : 1998 Reviewed In : 2023	Prestressed concrete poles for overhead power traction and telecommunication lines - Specification Second Revision
17	IS 17725 : 2022 ISO 16935: 2007	PRECAST CONCRETE CIRCULAR MANHOLE SPECIFICATION
18	IS 17908 : 2023	FIBRE CEMENT SHEET -LIGHTWEIGHT CONCRETE SANDWICH PANELS SPECIFICATION
19	IS 1916 : 2018 Reviewed In : 2023	Steel cylinder pipes with concrete lining and coating - Specification Second Revision
20	IS 2096 : 1992 Reviewed In : 2022	Asbestos cement flat sheets - Specification First Revision
21	IS 2098 : 1997 Reviewed In : 2022	Asbestos cement building boards - Specification First Revision
22	IS 2174 : 1962 Reviewed In : 2023	Specification for reinforced concrete dust bins
23	IS 2185 (Part 1) : 2005 Reviewed In : 2020	Concrete masonry units - Specification Part 1 hollow and solid concrete blocks Third Revision
24	IS 2185 (Part 2) : 1983 Reviewed In : 2020	Specification for concrete masonry units Part 2 hollow and solid lightweight concrete blocks First Revision
25	IS 2185 (Part 3) : 1984 Reviewed In : 2020	Concrete Masonry Units Part 3 Autoclaved Cellular Aerated Concrete Blocks
26	IS 2185 (Part 4) : 2008 Reviewed In : 2019	Concrete masonry units - Specification Part 4 preformed foam cellular concrete blocks
27	IS 2193 : 1986 Reviewed In : 2022	Precast Prestressed Concrete Street Lighting Poles
28	IS 4350 : 1967 Reviewed In : 2022	concrete porous pipes for under-drainage
29	IS 458 : 2021 ISO 18125 : 2017	Precast Concrete Pipes with and without Reinforcement -
30	IS 459 : 1992 Reviewed In : 2023	Corrugated and semi - Corrugated asbestos cement sheets - Specification Third Revision
31	IS 4996 : 1984 Reviewed In : 2020	Specification for reinforced concrete fence posts First Revision
32	IS 5751 : 1984 Reviewed In : 2022	Specification for precast concrete coping blocks First Revision
33	IS 5758 : 2020	Precast Concrete Kerbs Channels Edging Quadrants and Other Associated Fittings - Specification Second Revision
34	IS 5820 : 1970 Reviewed In : 2022	Specification for precast concrete cable covers
35	IS 6523 : 1983 Reviewed In : 2023	Precast Reinforced Concrete Door and Window Frames
36	IS 6908 : 1991 Reviewed In : 2022	Asbestos - Cement pipes and fittings for sewerage and drainage - Specification First Revision
37	IS 7319 : 1974 Reviewed In : 2020	perforated concrete pipes
38	IS 7322 : 1985 Reviewed In : 2020	specials for steel cylinder reinforced concrete pipes
39	IS 785 : 1998 Reviewed In : 2019	Reinforced concrete poles for overhead power and telecommunication lines - Specification Second Revision
40	IS 8870 : 1978 Reviewed In : 2022	Specification for asbestos cement cable conduits and troughs
41	IS 9375 : 1979 Reviewed In : 2022	Precast Reinforced Concrete Plant Guards

42	IS 9627 : 1980 Reviewed In : 2020	Specification for asbestos cement pressure pipes Light Duty
43	IS 9872 : 1981 Reviewed In : 2022	Specification for precast concrete septic tanks
44	IS 9893 : 1981 Reviewed In : 2022	Precast Concrete Blocks For Lintels And Sills