

BUREAU OF INDIAN STANDARDS

Program of Work

CHD 9 : Ceramicware

Scope: To formulate Indian Standards for terminology, methods of sampling and test; and specification for: i) Ceramic Raw Materials; ii) Whiteware, all types of ceramic table ware (excluding porcelain insulators, sanitary ware, tiles, salt glazed pipes & fittings; and ceramic laboratory ware); iii) Technical Ceramics; and iv) Ceramic Coated Metal ware (excluding wares used in hospitals)

Liaison: **ISO TC-166 (P):** *Ceramic ware, glassware and glass ceramic ware in contact with food* **ISO TC-206 (P):** *Fine ceramics*

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10429:2011 <i>Reviewed In : 2024</i>	Powdered talc for ceramic industry - Specification (First Revision)	January, 2024	1	Indigenous
2	IS 11464:2021	Quartz for Ceramic Industry - Specification (Second Revision)		-	Indigenous
3	IS 11475:2002 <i>Reviewed In : 2018</i>	Stoneware crockeryware - Specification (Second Revision)	January, 2018	-	Indigenous
4	IS 11477:2011 <i>Reviewed In : 2021</i>	Pyrophyllite for ceramic industry - Specification (First Revision)	March, 2021	-	Indigenous
5	IS 12038:2024 ISO 4531:2022 <i>ISO 4531:2022</i>	Vitreous and Porcelain Enamels - Release From Enamelled Articles in Contact with Food - Methods of Test and Limits (Second Revision)		-	Identical under dual numbering
6	IS 12621:1988 <i>Reviewed In : 2022</i>	Bentonite for ceramic industry - Specification	December, 2022	2	Indigenous
7	IS 13273:2024	Vitreous Enamelled Inner Tanks for Storage Water Heater - Specification (First Revision)		-	Indigenous
8	IS 14179:1999 <i>Reviewed In : 2025</i>	Methods of test for ceramic tableware	March, 2025	-	Indigenous
9	IS 14705:1999 <i>Reviewed In : 2025</i>	Vitreous china crockeryware - Specification	March, 2025	-	Indigenous
10	IS 14721:1999	Zinc oxide for ceramic industry - Specification	March, 2025	-	Indigenous
11	IS 15751:2024	Calcite for Ceramic Industry - Specification (First Revision)		-	Indigenous
12	IS 15752:2007 <i>Reviewed In : 2017</i>	Sericite for ceramic industry - Specification	March, 2017	1	Indigenous
13	IS 17502:2020 <i>Reviewed In : 2025</i>	Methylene Blue Index of Clay - Method of Test	March, 2025	-	Indigenous
14	IS 17933:2022 ISO 14704 : 2016 <i>ISO 14704 : 2016</i>	Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for flexural strength		-	Identical under dual numbering

		of monolithic ceramics at room temperature			
15	IS 17934:2022 ISO 20501 : 2019 ISO 20501 : 2019	Fine ceramics (advanced ceramics, advanced technical ceramics) - Weibull statistics for strength data		-	Identical under dual numbering
16	IS 17935:2022 ISO 18754 : 2020 ISO 18754 : 2020	Fine ceramics (advanced ceramics, advanced technical ceramics) - Determination of density and apparent porosity		-	Identical under dual numbering
17	IS 17936:2022 ISO 20507 : 2014 ISO 20507 : 2014	Fine ceramics (advanced ceramics, advanced technical ceramics) - Vocabulary		-	Identical under dual numbering
18	IS 17975:2022 ISO 14627 : 2012 ISO 14627 : 2012	Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for fracture resistance of silicon nitride materials for rolling bearing balls at room temperature by indentation fracture (IF) method		-	Identical under dual numbering
19	IS 17981:2022 ISO 17561 : 2016 ISO 17561 : 2016	Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for elastic moduli of monolithic ceramics at room temperature by sonic resonance		-	Identical under dual numbering
20	IS 17985:2022 ISO 26602:2017 ISO 26602:2017	Fine ceramics (advanced ceramics, advanced technical ceramics) - Silicon nitride materials for rolling bearing balls and rollers		-	Identical under dual numbering
21	IS 17991:2022 ISO 14705 : 2016 ISO 14705 : 2016	Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for hardness of monolithic ceramics at room temperature		-	Identical under dual numbering
22	IS 18221:2023 ISO 17562 : 2016 ISO 17562 : 2016	Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for linear thermal expansion of monolithic ceramics by push-rod technique		-	Identical under dual numbering
23	IS 2333:2025	Plaster of Paris for Ceramic and Glass Industry - Specification (Third Revision)		-	Indigenous
24	IS 2717:2025	Vitreous Enamelware and Ceramic-Metal Systems - Glossary (Second Revision)		-	Indigenous
25	IS 2781:2020 Reviewed In : 2025	Glossary of Terms Relating to Ceramicware (Third Revision)	March, 2025	-	Indigenous
26	IS 2838:2025	Stoneware Containers for General Purposes - Specification (First Revision)		-	Indigenous
27	IS 2839:2025	Industrial Stoneware - Specification (First Revision)		-	Indigenous
28	IS 2840:2021	China Clay for Ceramic Industry - Specification		-	Indigenous
29	IS 2857:2002 Reviewed In : 2018	Earthenware crockeryware - Specification (Third Revision)	January, 2018	-	Indigenous
30	IS 3149:1994 Reviewed In : 2025 Decision taken to	Enamelware for home use - Specification (Second Revision)	March, 2025	1	Indigenous

	Reaffirm and Archive				
31	IS 3505:2002 Reviewed In : 2018	Porcelain crockeryware - Specification (Third Revision)	January, 2018	-	Indigenous
32	IS 3972 (Part 2/Sec 13):2007	Methods of test for vitreous enamelware: Part 2 test methods: Sec 13 resistance to warpage (First Revision)	March, 2021	-	Indigenous
33	IS 3972 (Part 2/Sec 14):2007	Methods of test for vitreous enamelware: Part 2 test methods: Sec 14 resistance to adherence (First Revision)	March, 2021	-	Indigenous
34	IS 3972 (Part 1):2020 ISO 28764 Reviewed In : 2025 ISO 28764	Methods of Test for Vitreous Enamelware Part 1: Production of Specimens for Testing	March, 2025	-	Identical under dual numbering
35	IS 3972 (Part 2/Sec 2):2023 ISO 2746:2015, ISO 8289-1:2020, ISO 8289-2:2019	Vitreous Enamelware - Method of Test Part 2: Test Methods Section 2: Low and High Voltage Tests for Detecting and Locating Defects (Second Revision)		-	Not Equivalent
36	IS 3972 (Part 2/Sec 3):2020 ISO 28706-2 : 2017 Reviewed In : 2025 ISO 28706-2:2017	Methods of Test for Vitreous Enamelware Part 2 Test Methods Section 3 Resistance to boiling acids, boiling liquids, alkaline liquids and their vapours (Second Revision)	March, 2025	-	Identical under dual numbering
37	IS 3972 (Part 2/Sec 4):2020 ISO 2747 : 1998 Reviewed In : 2025 ISO 2747	Methods of Test for Vitreous Enamelware Part 2 Test Methods Section 4 Resistance to thermal shock (Second Revision)	March, 2025	-	Identical under dual numbering
38	IS 3972 (Part 2/Sec 5):2020 ISO 28706-4 : 2016 Reviewed In : 2025 ISO 28706-4	Methods of Test for Vitreous Enamelware Part 2 Test Methods Section 5 Resistance to hot alkali (Second Revision)	March, 2025	-	Identical under dual numbering
39	IS 3972 (Part 2/Sec 6):1988 Reviewed In : 2025	Methods of test for vitreous enamelware: Part 2 test methods: Sec 6 reflectance and specular gloss (First Revision)	March, 2025	-	Indigenous
40	IS 3972 (Part 2/Sec 8):2024 ISO 4530 : 2022 ISO 4530 : 2022	Vitreous Enamelware Part 2 Test Methods Section 8 Resistance to Heat (Second Revision)		-	Identical under dual numbering
41	IS 3972 (Part 2/Sec 9):1991 Reviewed In : 2025 ISO 8290	Methods of test for vitreous enamelware: Part 2 test methods: Sec 9 resistance to dilute sulphuric acid (First Revision)	March, 2025	1	Not Equivalent
42	IS 3972 (Part 2/Sec 11):2024 ISO/DIS 6370-1,2	Vitreous Enamelware Part 2 Test Methods Section 11 Resistance to Abrasion (Second Revision)		-	Not Equivalent
43	IS 3972 (Part 2/Sec 12):2024	Vitreous Enamelware Part 2 Test Methods Section 12 Resistance to Torsion (Second Revision)		-	Indigenous
44	IS 4589:2022	Plastic Clay and Washed Plastic Clay for Ceramic Industry - Specification (Fourth Revision)		-	Indigenous

45	IS 6988:2002 Reviewed In : 2018	Fine (Bone) china crockeryware - Specification (Second Revision)	January, 2018	-	Indigenous
46	IS 7087:1979 Reviewed In : 2023	Specification for ceramic tower packings (First Revision)	March, 2023	2	Indigenous
47	IS 7775:1975 Reviewed In : 2025	Specification for ceramic grinding media and lining	March, 2025	1	Indigenous
48	IS 8017:1988 Reviewed In : 2025 Decision taken to Reaffirm and Archive	Specification for vitreous enamelled reflectors for use with illuminating device	March, 2025	1	Indigenous
49	IS 8687 (Part 1):2023	Vitreous Enamels and Frits - Method of Test Part 1 Sieve Analysis (First Revision)		-	Indigenous
50	IS 8687 (Part 2):2020 ISO 4534 : 2010 Reviewed In : 2025 ISO 4534	Methods of Test for Vitreous Enamels and Frits Part 2 Fusion Flow Test (First Revision)	March, 2025	-	Identical under dual numbering
51	IS 8709:2023	Colour Retention of Vitreous Enamel Coatings - Method of Test (First revision)		-	Indigenous
52	IS 9749:2020 Reviewed In : 2025	Potash Feldspar and Soda Feldspar for Glass and Ceramic Industry — Specification (Second Revision)	March, 2025	-	Indigenous
53	IS 9806:2001 Reviewed In : 2017 ISO 6486 -1,2. ISO 7086 - 1,2	Methods of test for and permissible limits of toxic materials released from ceramicware, vitreous enamelware, glassware and glass - Ceramicware in contact with food (First Revision)	March, 2017	1	Not Equivalent

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
1	CHD 9 (24931)	Clay Utensils Specification

Draft Standards Completed WC Stage

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

Finalized Draft Indian Standard

SI. No.	Doc No.	Title

No Records Found

Finalized Draft Indian Standards under Print

Sl. No.	Doc No.	Title
1	CHD 9 (28163) Revision of: IS 17936:2022	Fine Ceramics Advanced Ceramics Advanced Technical Ceramics Vocabulary First Revision
2	CHD 9 (33059)	Bentonite for ceramic industry - Specification
3	CHD 9 (33325)	Methods of test for ceramic tableware First Revision
4	CHD 9 (33348)	Pyrophyllite for ceramic industry - Specification Second Revision
5	CHD 9 (33350)	vitreous enamelware Part 2 test methods Sec 6 reflectance and specular gloss Second Revision
6	CHD 9 (33352)	Zinc oxide for ceramic industry - Specification First Revision
7	CHD 9 (33353)	Vitreous enamelware Part 2 test methods Sec 9 resistance to dilute sulphuric acid Second Revision
8	CHD 9 (33402)	Ceramics Crockeryware Specification

Total Published Standards:53 Total Standards Under development:9

Aspect Wise Report

Product : 23
Code of Practices : 0
Methods of Test : 25
Terminology : 3
Dimensions : 1
System Standard : 0
Safety Standard : 0
Others : 1
Service Specification : 0
Process Specification : 0
Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

Sl. No.	IS No. & Year	Title
1	IS 10432 (Part 1/Sec 2):1982	Methods of test for vitreous enamelware Part 1 Preparation of specimen for testing Sec 2 Enamelled cast iron
2	IS 12038:1987 Reviewed In : 2012	Permissible Limits and Test Methods for Toxic Materials Released from Enamelware in Contact with Food
3	IS 12038 (Part 2):2007 ISO 4531-2 Reviewed In : 2017 ISO 4531-2	Vitreous and porcelain enamels - Release of lead and cadmium from enamelled ware in contact with food Part 2 permissible limits First Revision
4	IS 3972:1968	Methods Of Test For Vitreous Enamelware
5	IS 3972 (Part 1/Sec 2):1982 Reviewed In : 2020 ISO 2724	Methods of test for vitreous enamelware Part 1 preparation of specimen for testing Sec 2 enamelled cast iron First Revision
6	IS 3972 (Part 2/Sec 1):2020 ISO 28706-1 : 2008 ISO 28706-1	Methods of Test for Vitreous Enamelware Part 2 Test Methods Section 1 Resistance to corrosion by dilute acids at room temperature Second Revision
7	IS 3972 (Part 2/Sec 7):1990 Reviewed In : 2017 ISO 2743	Methods of test for vitreous enamelware Sec 7 resistance to boiling hydrochloric acid Part 2 test methods First Revision

Annexure-II :List of Indian Product Standards

Sl. No.	IS No. & Year	Title
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1	IS 10429:2011 Reviewed In : 2024	Powdered talc for ceramic industry - Specification First Revision
2	IS 11464:2021 ISO 14533-3:2017	Quartz for Ceramic Industry - Specification Second Revision
3	IS 11475:2002 Reviewed In : 2018	Stoneware crockeryware - Specification Second Revision
4	IS 11477:2011 Reviewed In : 2021	Pyrophyllite for ceramic industry - Specification First Revision
5	IS 12621:1988 Reviewed In : 2022	Bentonite for ceramic industry - Specification
6	IS 13273:2024	Vitreous Enamelled Inner Tanks for Storage Water Heater - Specification First Revision
7	IS 14705:1999 Reviewed In : 2025	Vitreous china crockeryware - Specification
8	IS 14721:1999	Zinc oxide for ceramic industry - Specification
9	IS 15751:2024	Calcite for Ceramic Industry - Specification First Revision
10	IS 15752:2007 Reviewed In : 2017	Sericite for ceramic industry - Specification
11	IS 17985:2022 ISO 26602:2017 ISO 14644-1	Fine ceramics advanced ceramics advanced technical ceramics - Silicon nitride materials for rolling bearing balls and rollers
12	IS 2333:2025	Plaster of Paris for Ceramic and Glass Industry - Specification Third Revision
13	IS 2838:2025	Stoneware Containers for General Purposes - Specification First Revision
14	IS 2839:2025	Industrial Stoneware - Specification First Revision
15	IS 2840:2021 ISO 22915 Part 12 :2015	China Clay for Ceramic Industry - Specification
16	IS 2857:2002 Reviewed In : 2018	Earthenware crockeryware - Specification Third Revision
17	IS 3149:1994 Reviewed In : 2025 Decision taken to Reaffirm and Archive	Enamelware for home use - Specification Second Revision
18	IS 3505:2002 Reviewed In : 2018	Porcelain crockeryware - Specification Third Revision
19	IS 4589:2022 ISO 7229:2022	Plastic Clay and Washed Plastic Clay for Ceramic Industry - Specification Fourth Revision
20	IS 6988:2002 Reviewed In : 2018	Fine Bone china crockeryware - Specification Second Revision
21	IS 7087:1979 Reviewed In : 2023	Specification for ceramic tower packings First Revision
22	IS 7775:1975 Reviewed In : 2025	Specification for ceramic grinding media and lining
23	IS 9749:2020 Reviewed In : 2025	Potash Feldspar and Soda Feldspar for Glass and Ceramic Industry Specification Second Revision