BUREAU OF INDIAN STANDARDS

Program of Work

MTD 15 : Refractories Sectional Committee

Scope: Standardization in the field of refractories
Liaison: **ISO TC-33 (P):** *Refractories* **ISO TC-33 (P):** *Test methods for dense shaped refractories*

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10047 : 2023 ISO 1927-5: 2012	Refractory Plastic and Ramming Mass - Method of test (First Revision)		-	Not Equivalent
2	IS 10551 : 2005 Reviewed In : 2020	Zircon mullite refractories for glass furnace applications - Specification (First Revision)	March, 2020	-	Indigenous
3	IS 10570 : 2011 Reviewed In : 2022	Methods of testing refractory castables (First Revision)	March, 2022	-	Indigenous
4	IS 10817 : 1984 Reviewed In : 2020	Specification for bauxite for refractory industry	March, 2020	-	Indigenous
5	IS 10819 : 1999 Reviewed In : 2022	Chromite for refractory industry - Specification (First Revision)	March, 2022	-	Indigenous
6	IS 11036 : 1984 Reviewed In : 2022	Specification for clay graphite stopper heads	March, 2022	-	Indigenous
7	IS 12847 : 1997 Reviewed In : 2022	Carbon bonded silicon carbide crucibles - Specification (First Revision)	March, 2022	-	Indigenous
8	IS 12893 : 2006 ISO 1146:1988 Reviewed In : 2022 ISO 1146:1988	Pyrometric reference cones for laboratory use - Specification (First Revision)	March, 2022	-	Identical under dual numbering
9	IS 1292 : 1991 Reviewed In : 2022	Silica mortar for laying silica bricks in furnaces - Specification (First Revision)	March, 2022	-	Indigenous
10	IS 12951 : 2006 Reviewed In : 2022	Mica insulating bricks for high temperature applications - Specification (First Revision)	March, 2022	-	Indigenous
11	IS 13150 : 1991 Reviewed In : 2022	Silica mortar for laying silica bricks in coke ovens - Specification	March, 2022	-	Indigenous
12	IS 13185 : 1991 Reviewed In : 2022	Method of test for determination of drying shrinkage of refractory mortars	March, 2022	-	Indigenous
13	IS 14296 : 1995 Reviewed In : 2022	Dolomite for refractory industry - Specification	March, 2022	1	Indigenous
14	IS 14301 : 1995 Reviewed In : 2022	Kyanite for refractory industry - Specification	March, 2022	1	Indigenous
15	IS 14302 : 1995 Reviewed In : 2022	Beach sand silimanite for refractory industry - Specification	March, 2022	-	Indigenous

16	IS 14303 : 1995 Reviewed In : 2022	Magnesite for refractory industry - Specification	March, 2022	-	Indigenous
17	IS 14313 : 1995 Reviewed In : 2022	70 percent alumina bricks - Specification	March, 2022	-	Indigenous
18	IS 14406 : 1996 Reviewed In : 2022	Refractories for forge and heat treatment furnaces - Recommendations	March, 2022	-	Indigenous
19	IS 14447 : 1997 Reviewed In : 2022	Refractories for use in foundry industry - Recommendations	March, 2022	-	Indigenous
20	IS 14713 : 1999 Reviewed In : 2022	Synthetic (Fused) mullite and alumina grains for refractory industry - Specification	March, 2022	1	Indigenous
21	IS 14852 : 2000 Reviewed In : 2022	Flaky graphite for refractory industry - Specification	March, 2022	-	Indigenous
22	IS 1526 : 1960 Reviewed In : 2022	Sizes and shapes for firebricks (230 Mm Series)	March, 2022	1	Indigenous
23	IS 1528 (Part 1) : 2010 Reviewed In : 2020	Methods of sampling and physical tests for refractory materials: Part 1 determination of pyrometric cone equivalent (Pce) or softening point (Third Revision)	March, 2020	2	Indigenous
24	IS 1528 (Part 2) : 2011 Reviewed In : 2023	Methods of sampling and physical tests for refractory materials: Part 2 determination of refractoriness under load (Second Revision)	August, 2023	1	Indigenous
25	IS 1528 (Part 3) : 2010 Reviewed In : 2020	Methods of sampling and physical tests for refractory materials: Part 3 determination of spalling resistance (Third Revision)	March, 2020	1	Indigenous
26	IS 1528 (Part 4) : 2012 Reviewed In : 2022 ISO 10059-1	Methods of sampling and physical tests for refractory materials: Part 4 determination of cold crushing strength of dense shaped refractories products (Second Revision)	March, 2022	1	Not Equivalent
27	IS 1528 (Part 5) : 2007 ISO 5014:1997 Reviewed In : 2022 ISO 5014:1997	Methods of sampling and physical tests for refractory materials: Part 5 method for determination of modulus of rupture at amblEnt temperature of dense and insulating shaped refractory products (Third Revision)	March, 2022	-	Identical under dual numbering
28	IS 1528 (Part 6) : 2010 Reviewed In : 2020 ISO 2477	Methods of sampling and physical tests for refractory materials: Part 6 determination of permanent linear change after reheating for shaped insulating and dense refractories (Second Revision)	March, 2020	-	Not Equivalent
29	IS 1528 (Part 7) : 2010 Reviewed In : 2020 ISO 5022 and ISO 1927-2	Methods of sampling and physical tests for refractory materials: Part 7 methods of sampling and criteria for conformity (Second Revision)	March, 2020	1	Not Equivalent
30	IS 1528 (Part 9) : 2007 ISO 5018:1983 Reviewed In : 2022 ISO 5018:1983	Methods of sampling and physical tests for refractory materials: Part 9 determination of true density (Fourth Revision)	March, 2022	-	Identical under dual numbering
31	IS 1528 (Part 12) :	Methods of sampling and physical	March, 2022	-	Identical under dual

	2007 ISO 5016:1997 Reviewed In : 2022 ISO 5016:1997	tests for refractory materials: Part 12 method for determination of bulk density and true porosity of shaped insulating refractory products (Second Revision)			numbering
32	IS 1528 (Part 13) : 2007 ISO 12676:2000 Reviewed In : 2022 ISO 12676:2000	Methods of sampling and physical tests for refractory materials: Part 13 determination of resistance to carbon monoxide (Second Revision)	March, 2022	-	Identical under dual numbering
33	IS 1528 (Part 14) : 1974 Reviewed In : 2024 ISO 13765-5	Methods of sampling and physical tests for refractory materials: Part 14 determination of sieve analysis (First Revision)	March, 2024	-	Not Equivalent
34	IS 1528 (Part 15) : 2020 ISO 5017:2013 ISO 5017:2013	Methods of Sampling and Physical Tests for Refractory Materials Part 15 Method for Determination of Bulk Density, Apparent Porosity and True Porosity of Dense Shaped Refractory Products (Second Revision)	-	-	Identical under dual numbering
35	IS 1528 (Part 16) : 2020 ISO 8894-2:2007 ISO 8894-2 : 2007	Methods of Sampling and Physical Tests for Refractory Materials Part 16 Determination of Thermal Conductivity According to Hot-Wire Method (Parallel) (Second Revision)	-	-	Identical under dual numbering
36	IS 1528 (Part 17) : 2012 ISO 8895:2004 Reviewed In : 2023 ISO 8895:2004	Methods of sampling and physical tests for refractory materials: Part 17 shaped insulating refractory products - Determination of cold crushing strength (First Revision)	August, 2023	-	Identical under dual numbering
37	IS 1528 (Part 18) : 1993 ISO 3187:1989 Reviewed In : 2023 ISO 3187:1989	Methods of sampling and physical tests for refractory materials: Part 18 determination of creep in compression	August, 2023	-	Identical under dual numbering
38	IS 1528 (Part 19) : 2020 ISO 16835 : 2014 ISO 16835	Methods of Sampling and Physical Tests for Refractory Materials Part 19 Determination of Thermal Expansion (First Revision)	-	-	Identical under dual numbering
39	IS 1528 (Part 20) : 2023 ISO 5013 : 1985 ISO 5013 : 1985	Methods of Sampling and Physical Tests for Refractory Materials : Part 20 Determination of Modulus of Rupture at Elevated Temperature (first revision)		-	Identical under dual numbering
40	IS 1528 (Part 21) : 2020 ISO 8894-1: 2010 ISO 8894-1 : 2010	Methods of Sampling and Physical Tests for Refractory Materials Part 21 Determination of Thermal Conductivity According to Hot-Wire Method (Cross-Array and Resistance Thermometer) (First Revision)	-	-	Identical under dual numbering
41	IS 1528 (Part 22) : 2007 ISO 8841:1991 Reviewed In : 2022 ISO 8841:1991	Methods of sampling and physical tests for refractory materials: Part 22 method for determination of permeability to gases of dense shaped refractory products	March, 2022	-	Identical under dual numbering
42	IS 1528 (Part 23) :	Methods of sampling and physical	March, 2022	-	Identical under dual

	2011 Reviewed In : 2022 ISO 16282:2008	tests for refractory materials: Part 23 methods of test for dense shaped refractory products - Determination of resistance to abrasion at ambient temperature			numbering
43	IS 1528 (Part 24) : 2020 ISO 16334 : 2013 ISO 16334 : 2013	Methods of Sampling and Physical Tests for Refractory Materials Part 24 Monolithic Refractory Proudcts â€" Determination of Resistance to Explosive Spalling		-	Identical under dual numbering
44	IS 1528 (Part 25) : 2020 ISO 16349 : 2015 16349 : 2015	Methods of Sampling and Physical Tests for Refractory Materials Part 25 Determination of Abrasion Resistance at Elevated Temperature		-	Identical under dual numbering
45	IS 1528 (Part 26) : 2024 ISO 8890:1988 ISO 8890:1988	Methods of Sampling and Physical Tests for Refractory Materials : Part 26 Method for Determination of Resistance to Sulfuric Acid of Dense Shaped Refractory Products		-	Identical under dual numbering
46	IS 1528 (Part 27) : 2024 ISO 22685:2021 ISO 22685:2021	Methods of Sampling and Physical Tests for Refractory Materials : Part 27 Method for Determination of Compressive Strength at Elevated Temperature of Refractory Products		-	Identical under dual numbering
47	IS 15507 : 2004 Reviewed In : 2020	Basic insulating coating material for application in tundish used in steel plants - Specification	March, 2020	-	Indigenous
48	IS 15508 : 2004 Reviewed In : 2020	Refractory mass (Basic Gunning) for steel plant application - Specification	March, 2020	-	Indigenous
49	IS 15541 : 2005 Reviewed In : 2022	Low cement and ultra low cement castables for general purposes - Specification	March, 2022	-	Indigenous
50	IS 15895 : 2018 Reviewed In : 2023	High alumina refractory cement - Specification (First Revision)	August, 2023	-	Indigenous
51	IS 16051 (Part 1) : 2013 ISO 12678-1:1996 Reviewed In : 2023 ISO 12678-1:1996	Refractory products - Measurement of dimensions and external defects of refractory bricks: Part 1 dimensions and conformity to drawings	August, 2023	-	Identical under dual numbering
52	IS 16051 (Part 2) : 2013 ISO 12678-2:1996 Reviewed In : 2023 ISO 12678-2:1996	Refractory products - Measurement of dimensions and external defects of refractory bricks: Part 2 corner and edge defects and other surface imperfections	August, 2023	-	Identical under dual numbering
53	IS 16052 (Part 1) : 2013 ISO 13765-1:2004 Reviewed In : 2023 ISO 13765-1:2004	Refractory mortars: Part 1 determination of consistency using the penetrating cone method	August, 2023	-	Identical under dual numbering
54	IS 16052 (Part 2) : 2013 ISO 13765-2:2004 Reviewed In : 2023 ISO 13765-2:2004	Refractory mortars: Part 2 determination of consistency using the reciprocating flow table method	August, 2023	-	Identical under dual numbering

55	IS 16052 (Part 3) : 2013 ISO 13765-3:2004 Reviewed In : 2023 ISO 13765-3:2004	Refractory mortars: Part 3 determination of joint stability	August, 2023	-	Identical under dual numbering
56	IS 16052 (Part 4) : 2013 ISO 13765-4: 2004 Reviewed In : 2022 ISO 13765-4:2004	Refractory mortars: Part 4 determination of flexural bonding strength	August, 2022	-	Identical under dual numbering
57	IS 16052 (Part 5) : 2013 ISO 13765-5:2004 Reviewed In : 2022 ISO 13765-5:2004	Refractory mortars: Part 5 determination of grain size distribution (Sieve Analysis)	August, 2022	-	Identical under dual numbering
58	IS 16052 (Part 6) : 2013 ISO 13765-6:2004 Reviewed In : 2022 ISO 13765-6:2004	Refractory mortars: Part 6 determination of moisture content of ready - Mixed mortars	August, 2022	-	Identical under dual numbering
59	IS 17107 : 2019 Reviewed In : 2023	Method for determination of thermal conductivity of dense as well as insulating fired refractories, refractory monolithics and precast prefired (PCPF) shapes	August, 2023	1	Indigenous
60	IS 1749 : 2005 Reviewed In : 2022	Burnt magnesite refractories - Specification (Third Revision)	March, 2022	-	Indigenous
61	IS 1750 : 1995 Reviewed In : 2022	Dead - Burned pea magnesite - Specification (Third Revision)	March, 2022	-	Indigenous
62	IS 1751 : 1984 Reviewed In : 2022	Specification for fireclay cupola refractories (Second Revision)	March, 2022	-	Indigenous
63	IS 17699 : 2022	Standard Classification of Silicon Carbide (SiC) Refractories		-	Indigenous
64	IS 18169 : 2023	DETERMINATION OF AVERAGE CRYSTAL SIZE OF MAGNESIA		-	Indigenous
65	IS 18171 : 2023 ISO 8840:1987	DETERMINATION OF DENSITY AND POROSITY FOR GRANULAR REFRACTORY MATERIALS		-	Not Equivalent
66	IS 195 : 2005 Reviewed In : 2022	Fireclay mortar for laying fireclay refractory bricks - Specification (Fourth Revision)	March, 2022	-	Indigenous
67	IS 2042 : 2006 Reviewed In : 2022	Insulating bricks - Specification (Second Revision)	March, 2022	-	Indigenous
68	IS 2043 : 1984 Reviewed In : 2022	Specification for siliceous fireclay refractories (First Revision)	March, 2022	-	Indigenous
69	IS 2044 : 2005 Reviewed In : 2022	Mullite refractories for glass melting tank furnaces - Specification (Second Revision)	March, 2022	1	Indigenous
70	IS 3304 : 2005 Reviewed In : 2022	Burnt magnesite - Chrome refractories for general purposes - Specification (First Revision)	March, 2022	-	Indigenous
71	IS 3305 : 2005 Reviewed In : 2022	Burnt chrome - Magnesite refractories for general purposes - Specification (First Revision)	March, 2022	-	Indigenous
72	IS 4041 : 2006 ISO 836:2001 Reviewed In : 2022	Terminology for refractories (First Revision)	March, 2022	-	Identical under dual numbering

	ISO 836:2001				
73	IS 4812 : 1996 Reviewed In : 2022	Silica refractories for coke oven - Specification (Second Revision)	March, 2022	-	Indigenous
74	IS 4813 : 1980 Reviewed In : 2022	Specification for chemically - Bonded chrome - Magnesitb refractories for general purposes (First Revision)	March, 2022	-	Indigenous
75	IS 4814 : 1980 Reviewed In : 2022	Specification for chemically - Bonded magnesite - Chrome refractories for general purposes - (First Revision)	March, 2022	-	Indigenous
76	IS 483 : 1972 Reviewed In : 2022	Specification for fireclay refractories for oil - Fired boiler furnaces of naval ships (First Revision)	March, 2022	-	Indigenous
77	IS 484 : 1980 Reviewed In : 2022	Specification for silica refractories for general purposes (Second Revision)	March, 2022	-	Indigenous
78	IS 5495 : 1969 Reviewed In : 2022	Sizes and shapes for firebricks (300 Mm And Higher Sizes)	March, 2022	1	Indigenous
79	IS 6 : 1983 Reviewed In : 2020	Moderate Heat Duty Fireclay Refractories, Group `A'	March, 2020	-	Indigenous
80	IS 7199 : 2008 Reviewed In : 2024	Blast furnace stove refractories - Specification (First Revision)	March, 2024	-	Indigenous
81	IS 8 : 1994 Reviewed In : 2022	High heat duty fireclay refractories - Specification (Fgth Revision)	April, 2022	-	Indigenous
82	IS 8953 : 2006 Reviewed In : 2022	62 percent alumina bricks and blocks for blast furnace - Specification (First Revision)	March, 2022	1	Indigenous
83	IS 9010 : 1978 Reviewed In : 2022	Specificatign for super heat duty fireclay refractories	March, 2022	-	Indigenous
84	IS 9930 : 2005 Reviewed In : 2020	Zircon refractories for glass furnace applications - Specification (First Revision)	March, 2020	-	Indigenous

Standards under Development

Projects Approved

SI. No.	Doc No.	Title
No Records Found		

Preliminary Draft Standards

SI. No.	Doc No.	Title
No Records Found		

Drafts Standards in WC Stage

SI. No.	Doc No.	Title
1	MTD 15 (23885)	Refractory bricks Dimensions Part 1 Rectangular bricks
2	MTD 15 (23887)	Refractory bricks Dimensions Part 2 Arch bricks
3	MTD 15 (23918)	Refractory bricks Dimensions Part 3 Rectangular checker bricks for regenerative furnaces
4	MTD 15 (23919)	Refractory bricks Dimensions Part 4 Dome bricks for electric arc furnace roofs
5	MTD 15 (23920)	Refractory bricks Dimensions Part 5 Skewbacks
6	MTD 15 (23921)	Refractory bricks Dimensions Part 6 Basic bricks for oxygen steel-making converters

Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
1	MTD 15 (23810)	Methods of test for refractory products Part 1 Determination of dynamic Youngs modulus MOE by impulse excitation of vibration

Finalized Draft Indian Standard

SI. No.	Doc No.	Title
No Records Found		

Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
1	MTD 15 (23720)	Refractory mortars Part 7 Determination of permanent change in dimensions on heating
2	MTD 15 (23734)	Refractory bricks for use in rotary kilns Hot-face identification marking
3	MTD 15 (23738)	Refractory bricks for use in rotary kilns - Dimensions
4	MTD 15 (23765)	Refractory test-piece preparation Part 2 Gunning refractory panels by wet gunning techniques
5	MTD 15 (23766)	Refractory test-piece preparation Part 1 Gunning refractory panels by the pneumatic-nozzle mixing type guns
6	MTD 15 (23822)	Refractories Determination of dynamic Young s modulus MOE at elevated temperatures by impulse excitation of vibration

Total Published Standards:81 Total Standards Under development:13

Aspect Wise Report

Product : 43
Code of Practices : 3
Methods of Test : 35
Terminology : 1
Dimensions : 1
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 10607 : 1983 Reviewed In : 2017	Specification for refractories for cement rotary kilns
2	IS 11452 : 1985 Reviewed In : 2020	Method of testing air - Setting refractory mortars
3	IS 14374 : 1996 Reviewed In : 2011	Refractories for chimney - Recommendation
4	IS 1522 : 1998 Reviewed In : 2017	Fireclay blocks for glass tank furnace - Specification Second Revision
5	IS 1523 : 1972 Reviewed In : 2022	Specification for bottom - Pouring refractories for steel plants First Revision
6	IS 1524 : 1968 Reviewed In : 2017	Specification for refractory sleeves First Revision
7	IS 1525 : 1968 Reviewed In : 2017	Ladle refractories for steel plants
8	IS 1528 (Part 8) : 1974 Reviewed In : 2009	Methods of Sampling and Physical Tests for Refractory Materials - Part VIII Determination of Apparent Porosity
9	IS 1528 (Part 10) : 1974	Methods of sampling and physical tests for refractory materials Part 10 determination of size of

	Reviewed In : 2019	refractory bricks First Revision
10	IS 1528 (Part 11) : 1993 Reviewed In : 2022	Methods of sampling and physical tests for refractory materials Part 11 determination of warpage Second Revision
11	IS 1529 : 1971 Reviewed In : 2017	Specification for blast furnace refractories for steel plants
12	IS 15895 : 2011 IEC TR 62351-90-2:2018	High Alumina Refractory Cement
13	IS 17069 : 2019	Method for Determination of Thermal Conductivity of Dense as Well as Insulating Fired Refractories Refractory Monolithics and Precast Prefired PCPF Shapes
14	IS 194 : 1950	Recommendations for refractories for railways
15	IS 2045 : 1962	Natural silimanite blocks for glass melting tanks furnaces
16	SP 37-3 : 1987 Reviewed In : 2017	Handbook for refractories Part 3 refractories for cement kiln system
17	IS 4564 : 1968 Reviewed In : 2022	Specification for fireclay nozzles
18	IS 4565 : 1968 Reviewed In : 2022	Specification for fireclay stoppers
19	IS 4801 : 1980 Reviewed In : 2017	Specification for chemically - Bonded magnesite - Chrome refractories for roof lining First Revision
20	IS 485 : 1954	Methods of sampling and testing of refractory materials tentative
21	IS 6727 : 1972 Reviewed In : 2017	Specification for fireclay checker - Bricks for open - Hearth furnace
22	IS 6728 : 1972 Reviewed In : 2022	Specification for recuperator tubes tiles and collars for soaking pits in steel plants
23	IS 7 : 1980	Moderate Heat Duty Fireclay Refractories Group B
24	IS 8966 : 1978 Reviewed In : 2022	Specification for magnesite nozzles
25	IS 8977 : 1978 Reviewed In : 2022	Specification for clay bonded graphite crucibles

Annexure-II :List of Indian Product Standards

SI. No.	IS No. & Year	Title
1	IS 10551 : 2005 Reviewed In : 2020	Zircon mullite refractories for glass furnace applications - Specification First Revision
2	IS 10817 : 1984 Reviewed In : 2020	Specification for bauxite for refractory industry
3	IS 10819 : 1999 Reviewed In : 2022	Chromite for refractory industry - Specification First Revision
4	IS 11036 : 1984 Reviewed In : 2022	Specification for clay graphite stopper heads
5	IS 12847 : 1997 Reviewed In : 2022	Carbon bonded silicon carbide crucibles - Specification First Revision
6	IS 12893 : 2006 ISO 1146:1988 Reviewed In : 2022 ISO 1146:1988	Pyrometric reference cones for laboratory use - Specification First Revision
7	IS 1292 : 1991 Reviewed In : 2022	Silica mortar for laying silica bricks in furnaces - Specification First Revision
8	IS 12951 : 2006 Reviewed In : 2022	Mica insulating bricks for high temperature applications - Specification First Revision
9	IS 13150 : 1991 Reviewed In : 2022	Silica mortar for laying silica bricks in coke ovens - Specification
10	IS 14296 : 1995	Dolomite for refractory industry - Specification

	Reviewed In : 2022	
11	IS 14301 : 1995 Reviewed In : 2022	Kyanite for refractory industry - Specification
12	IS 14302 : 1995 Reviewed In : 2022	Beach sand silimanite for refractory industry - Specification
13	IS 14303 : 1995 Reviewed In : 2022	Magnesite for refractory industry - Specification
14	IS 14313 : 1995 Reviewed In : 2022	70 percent alumina bricks - Specification
15	IS 14406 : 1996 Reviewed In : 2022	Refractories for forge and heat treatment furnaces - Recommendations
16	IS 14447 : 1997 Reviewed In : 2022	Refractories for use in foundry industry - Recommendations
17	IS 14713 : 1999 Reviewed In : 2022	Synthetic Fused mullite and alumina grains for refractory industry - Specification
18	IS 14852 : 2000 Reviewed In : 2022	Flaky graphite for refractory industry - Specification
19	IS 1526 : 1960 Reviewed In : 2022	Sizes and shapes for firebricks 230 Mm Series
20	IS 15507 : 2004 Reviewed In : 2020	Basic insulating coating material for application in tundish used in steel plants - Specification
21	IS 15508 : 2004 Reviewed In : 2020	Refractory mass Basic Gunning for steel plant application - Specification
22	IS 15541 : 2005 Reviewed In : 2022	Low cement and ultra low cement castables for general purposes - Specification
23	IS 1749 : 2005 Reviewed In : 2022	Burnt magnesite refractories - Specification Third Revision
24	IS 1750 : 1995 Reviewed In : 2022	Dead - Burned pea magnesite - Specification Third Revision
25	IS 1751 : 1984 Reviewed In : 2022	Specification for fireclay cupola refractories Second Revision
26	IS 17699 : 2022 ISO 22286 : 2018	Standard Classification of Silicon Carbide SiC Refractories
27	IS 195 : 2005 Reviewed In : 2022	Fireclay mortar for laying fireclay refractory bricks - Specification Fourth Revision
28	IS 2042 : 2006 Reviewed In : 2022	Insulating bricks - Specification Second Revision
29	IS 2043 : 1984 Reviewed In : 2022	Specification for siliceous fireclay refractories First Revision
30	IS 2044 : 2005 Reviewed In : 2022	Mullite refractories for glass melting tank furnaces - Specification Second Revision
31	IS 3304 : 2005 Reviewed In : 2022	Burnt magnesite - Chrome refractories for general purposes - Specification First Revision
32	IS 3305 : 2005 Reviewed In : 2022	Burnt chrome - Magnesite refractories for general purposes - Specification First Revision
33	IS 4812 : 1996 Reviewed In : 2022	Silica refractories for coke oven - Specification Second Revision
34	IS 4813 : 1980 Reviewed In : 2022	Specification for chemically - Bonded chrome - Magnesitb refractories for general purposes First Revision
35	IS 4814 : 1980 Reviewed In : 2022	Specification for chemically - Bonded magnesite - Chrome refractories for general purposes - First Revision
36	IS 483 : 1972 Reviewed In : 2022	Specification for fireclay refractories for oil - Fired boiler furnaces of naval ships First Revision
37	IS 484 : 1980 Reviewed In : 2022	Specification for silica refractories for general purposes Second Revision
38	IS 6 : 1983 Reviewed In : 2020	Moderate Heat Duty Fireclay Refractories Group A
39	IS 7199 : 2008 Reviewed In : 2024	Blast furnace stove refractories - Specification First Revision

40	IS 8 : 1994 Reviewed In : 2022	High heat duty fireclay refractories - Specification Fgth Revision
41	IS 8953 : 2006 Reviewed In : 2022	62 percent alumina bricks and blocks for blast furnace - Specification First Revision
42	IS 9010 : 1978 Reviewed In : 2022	Specificatign for super heat duty fireclay refractories
43	IS 9930 : 2005 Reviewed In : 2020	Zircon refractories for glass furnace applications - Specification First Revision