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	Refractory Plastic and Ramming		-	Not Equivalent
	ISO 1927-5: 2012	Mass - Method of test (First			
		Revision)			
2	IS 10551:2005	Zircon mullite refractories for glass	February, 2025	-	Indigenous
	Reviewed In: 2025	furnace applications - Specification			
		(First Revision)			
3	IS 10570:2011	Methods of testing refractory	March, 2022	-	Indigenous
	Reviewed In: 2022	castables (First Revision)			
4	IS 10817:1984	Specification for bauxite for	February, 2025	-	Indigenous
	Reviewed In: 2025	refractory industry			
	Decision taken to				
	Reaffirm and				
	Archive				
5	IS 10819:1999	Chromite for refractory industry -	March, 2022	-	Indigenous
	Reviewed In: 2022	Specification (First Revision)			
6	IS 11036:1984	Specification for clay graphite	March, 2022	-	Indigenous
	Reviewed In: 2022	stopper heads			
7	IS 12847:1997	Carbon bonded silicon carbide	March, 2022	-	Indigenous
	Reviewed In: 2022	crucibles - Specification (First			
		Revision)			
8	IS 12893:2006	Pyrometric reference cones for	March, 2022	-	Identical under dual
	ISO 1146:1988	laboratory use - Specification (First			numbering
	Reviewed In: 2022	Revision)			
	ISO 1146:1988	Í			
9	IS 1292:1991	Silica mortar for laying silica	March, 2022	-	Indigenous
	Reviewed In: 2022	bricks in furnaces - Specification			
		(First Revision)			
10	IS 12951:2006	Mica insulating bricks for high	March, 2022	-	Indigenous
	Reviewed In: 2022	temperature applications -			
		Specification (First Revision)			
11	IS 13150:1991	Silica mortar for laying silica	March, 2022	-	Indigenous
	Reviewed In: 2022	bricks in coke ovens -			
		Specification			
12	IS 14296:1995	Dolomite for refractory industry -	March, 2022	1	Indigenous
	Reviewed In: 2022	Specification	,		
13	IS 14301:1995	Kyanite for refractory industry -	March, 2022	1	Indigenous
•	Reviewed In: 2022	Specification	, -		6
14	IS 14302:1995	Beach sand silimanite for	March, 2022	-	Indigenous
	Reviewed In: 2022	refractory industry - Specification	,		
		s moved and a specification		†	

l 15	10 1 1202 1007	be see a common l	M 1 2022	I	1 7 1
15	IS 14303:1995	Magnesite for refractory industry -	March, 2022	-	Indigenous
16	Reviewed In: 2022 IS 14313:1995	Specification 70 margant aluming briefly	March 2022		Indiana.
16	Reviewed In : 2022	70 percent alumina bricks - Specification	March, 2022	-	Indigenous
17	IS 14406:1996	Refractories for forge and heat	March, 2022		Indigenous
1 1 /	Reviewed In : 2022	treatment furnaces -	Maich, 2022	-	indigenous
	Keviewed III . 2022	Recommendations			
18	IS 14447:1997	Refractories for use in foundry	March, 2022	_	Indigenous
10	Reviewed In : 2022	industry - Recommendations	March, 2022	_	margenous
19	IS 14713:1999	Synthetic (Fused) mullite and	March, 2022	1	Indigenous
	Reviewed In: 2022	alumina grains for refractory	March, 2022	1	margenous
	Reviewed III : 2022	industry - Specification			
20	IS 14852:2000	Flaky graphite for refractory	March, 2022	_	Indigenous
-	Reviewed In: 2022	industry - Specification	1/14/14/11, = 0==		indigenous
21	IS 1526:1960	Sizes and shapes for firebricks	March, 2022	1	Indigenous
	Reviewed In: 2022	(230 Mm Series)	-:		
22	IS 1528 (Part	Methods of sampling and physical	July, 2024	3	Indigenous
	1):2010	tests for refractory materials: Part	• • • • • • • • • • • • • • • • • • • •		
	Reviewed In: 2024	1 determination of pyrometric cone			
		equivalent (Pce) or softening point			
		(Third Revision)			
23	IS 1528 (Part	Methods of sampling and physical	August, 2023	1	Indigenous
	2):2011	tests for refractory materials: Part	-		
	Reviewed In: 2023	2 determination of refractoriness			
		under load (Second Revision)			
24	IS 1528 (Part	Methods of sampling and physical	July, 2024	1	Indigenous
	3):2010	tests for refractory materials: Part			
	Reviewed In: 2024	3 determination of spalling			
		resistance (Third Revision)			
25	IS 1528 (Part	Methods of sampling and physical	March, 2022	1	Not Equivalent
	4):2012	tests for refractory materials: Part			
	Reviewed In: 2022	4 determination of cold crushing			
	ISO 10059-1	strength of dense shaped			
		refractories products (Second			
		Revision)			
26	IS 1528 (Part	Methods of sampling and physical	March, 2022	-	Identical under dual
	5):2007	tests for refractory materials: Part			numbering
	ISO 5014:1997	5 method for determination of			
	Reviewed In: 2022	modulus of rupture at amblEnt			
	ISO 5014:1997	temperature of dense and insulating			
		shaped refractory products (Third			
	XQ 4.500 (=	Revision)			<u> </u>
27	IS 1528 (Part	Methods of sampling and physical	July, 2024	-	Not Equivalent
	6):2010	tests for refractory materials: Part			
	Reviewed In: 2024	6 determination of permanent			
	ISO 2477	linear change after reheating for			
		shaped insulating and dense			
20	IC 1520 /D- ::4	refractories (Second Revision)	Eah 2025	1	Not E
28	IS 1528 (Part	Methods of sampling and physical	February, 2025	1	Not Equivalent
	7):2010	tests for refractory materials: Part			
	Reviewed In: 2025 ISO 5022 and ISO	7 methods of sampling and criteria			
	1927-2	for conformity (Second Revision)			
29	IS 1528 (Part	Methods of sampling and physical	March, 2022	_	Identical under dual
49	9):2007	tests for refractory materials: Part	iviaicii, 2022	_	numbering
	ISO 5018:1983	9 determination of true density			numbering
	Reviewed In : 2022	(Fourth Revision)			
	ISO 5018:1983	(1 out in Revision)			
30	IS 1528 (Part	Methods of sampling and physical	March, 2022	_	Identical under dual
1			, -	1	

31	12):2007 ISO 5016:1997 Reviewed In : 2022 ISO 5016:1997 IS 1528 (Part 13):2007 ISO 12676:2000 Reviewed In : 2022 ISO 12676:2000 IS 1528 (Part 14):1974 Reviewed In : 2024 ISO 13765-5	tests for refractory materials: Part 12 method for determination of bulk density and true porosity of shaped insulating refractory products (Second Revision) Methods of sampling and physical tests for refractory materials: Part 13 determination of resistance to carbon monoxide (Second Revision) Methods of sampling and physical tests for refractory materials: Part 14 determination of sieve analysis (First Revision)		-	Identical under dual numbering Not Equivalent
33		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
34	IS 1528 (Part 16):2020 ISO 8894-2:2007 Reviewed In : 2024 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)	July, 2024	-	Identical under dual numbering
35	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
36	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
37	IS 1528 (Part 19):2020 ISO 16835 : 2014 Reviewed In : 2024 ISO 16835	Methods of Sampling and Physical Tests for Refractory Materials Part 19 Determination of Thermal Expansion (First Revision)	July, 2024	-	Identical under dual numbering
38	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
39	IS 1528 (Part 21):2020 ISO 8894-1: 2010 Reviewed In: 2024 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)		<u>-</u>	Identical under dual numbering
40	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	23):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		-	Identical under dual numbering Identical under dual		
	24):2020 Tests for Refractory Materials Part ISO 16334 : 2013 24 Monolithic Refractory Proudcts Reviewed In : 2024 ISO 16334 : 2013 to Explosive Spalling		numbering			
43	IS 1528 (Part 25):2020 ISO 16349 : 2015 Reviewed In : 2024 16349 : 2015	Methods of Sampling and Physical Tests for Refractory Materials Part 25 Determination of Abrasion Resistance at Elevated Temperature	July, 2024	-	Identical under dual numbering	
44	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	
45	IS 1528 (Part 27):2024 ISO 22685:2021 ISO 22685:2021	S 1528 (Part Methods of Sampling and Physical 27):2024 Tests for Refractory Materials : Part 27 Method for Determination Identical und		Identical under dual numbering		
46	IS 1528 (Part 28):2025 ISO 12680-1:2005	Methods of Sampling and Physical Tests for Refractory Materials: Part 28 Determination of dynamic Young's modulus (MOE) by impulse excitation of vibration		-	Modified/Technically Equivalent	
47	IS 1528 (Part 29):2025 ISO 22605:2020 ISO 22605:2020	Methods of Sampling and Physical Tests for Refractory Materials: Part 29 Determination of dynamic Young�s modulus (MOE) at elevated temperatures by impulse excitation of vibration		-	Identical under dual numbering	
48	IS 15507:2004 Reviewed In : 2025	Basic insulating coating material for application in tundish used in steel plants - Specification	February, 2025	-	Indigenous	
49	IS 15508:2004 Reviewed In : 2025	Refractory mass (Basic Gunning) for steel plant application - Specification	February, 2025	-	- Indigenous	
50	IS 15541:2005 Reviewed In : 2022	Low cement and ultra low cement castables for general purposes - Specification	nent and ultra low cement es for general purposes - Indigenous Indigenous		Indigenous	
51	IS 15895:2018 Reviewed In: 2023	High alumina refractory cement - Specification (First Revision)	August, 2023 - Indigenous			
52	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	
53	IS 16051 (Part 2):2013 ISO 12678-2:1996 Reviewed In : 2023	Refractory products - Measurement of dimensions and external defects of refractory	August, 2023	-	Identical under dual numbering	

	ISO 12678-2:1996	defects and other surface imperfections			
54	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
55			August, 2023	-	Identical under dual numbering
56	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
57	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
58	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
59	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
60	IS 16052 (Part 7):2025 ISO 13765-7 : 2021 ISO 13765-7 : 2021	Refractory mortars: Part 7 Determination of permanent change in dimensions on heating		-	Identical under dual numbering
61	IS 17107:2019	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
62	IS 1749:2005 Reviewed In : 2022 IS 1750:1995	Burnt magnesite refractories - Specification (Third Revision) Dead - Burned pea magnesite -	March, 2022 March, 2022	-	Indigenous Indigenous
64	Reviewed In : 2022 IS 1751:1984	Specification (Third Revision) Specification for fireclay cupola	March, 2022	-	Indigenous
65	Reviewed In : 2022 IS 17699:2022	refractories (Second Revision) Standard Classification of Silicon		-	Indigenous
66	IS 18169:2023	Carbide (SiC) Refractories DETERMINATION OF AVERAGE CRYSTAL SIZE OF MAGNESIA		-	Indigenous
67	IS 18171:2023 ISO 8840:1987	DETERMINATION OF DENSITY AND POROSITY FOR GRANULAR REFRACTORY MATERIALS		-	Not Equivalent
68	IS 18816:2024 ISO 5417:1986 ISO 5417:1986	Refractory bricks for use in rotary kilns i¿½ Dimensions		-	Identical under dual numbering

69	IS 18817:2024	Refractory bricks for use in rotary		1	Identical under dual
09	ISO 9205:1988	kilns � Hot-face identification		-	numbering
		- C			numbering
70	ISO 9205:1988	marking			T.1 4 1 1 1 1
70	IS 18824 (Part	Refractory test-piece preparation:		-	Identical under dual
	1):2024	Part 1 Gunning refractory panels			numbering
	ISO 20182:2008	by the pneumatic-nozzle mixing			
	ISO 20182:2008	type guns.			
71	IS 18824 (Part	Refractory test-piece preparation :		-	Identical under dual
	2):2024	Part 2 Gunning refractory panels			numbering
	ISO 18886:2016	by wet gunning techniques			
	ISO 18886:2016				
72	IS 195:2005	Fireclay mortar for laying fireclay	March, 2022	-	Indigenous
	Reviewed In: 2022	refractory bricks - Specification			
		(Fourth Revision)			
73	IS 2042:2006	Insulating bricks - Specification	March, 2022	-	Indigenous
	Reviewed In: 2022	(Second Revision)	,		
74	IS 2043:1984	Specification for siliceous fireclay	March, 2022	_	Indigenous
, .	Reviewed In: 2022	refractories (First Revision)	,		
75	IS 2044:2005	Mullite refractories for glass	March, 2022	1	Indigenous
13	Reviewed In : 2022	melting tank furnaces -	March, 2022		margenous
	Reviewed III . 2022	ē			
76	IS 3304:2005	Specification (Second Revision)	March, 2022		In diamena
/6		Burnt magnesite - Chrome	March, 2022	-	Indigenous
	Reviewed In: 2022	refractories for general purposes -			
		Specification (First Revision)			
77	IS 3305:2005	Burnt chrome - Magnesite	March, 2022	-	Indigenous
	Reviewed In: 2022	refractories for general purposes -			
		Specification (First Revision)			
78	IS 4041:2006	Terminology for refractories (First	March, 2022	-	Identical under dual
	ISO 836:2001	Revision)			numbering
	Reviewed In: 2022				
	ISO 836:2001				
79	IS 4812:1996	Silica refractories for coke oven -	March, 2022	-	Indigenous
	Reviewed In: 2022	Specification (Second Revision)	,		
80	IS 4813:1980	Specification for chemically -	March, 2022	_	Indigenous
	Reviewed In: 2022	Bonded chrome - Magnesitb	,		
		refractories for general purposes			
		(First Revision)			
81	IS 4814:1980	Specification for chemically -	March, 2022		Indigenous
01	Reviewed In : 2022		Maich, 2022	_	margenous
	Reviewed III: 2022	Bonded magnesite - Chrome			
		refractories for general purposes -			
0.2	YG 402 40 72	(First Revision)	1, 1, 2022		.
82	IS 483:1972	Specification for fireclay	March, 2022	-	Indigenous
	Reviewed In: 2022	refractories for oil - Fired boiler			
		furnaces of naval ships (First			
		Revision)		1	
83	IS 484:1980	Specification for silica refractories	March, 2022	-	Indigenous
	Reviewed In: 2022	for general purposes (Second			
		Revision)			
84	IS 5495:1969	Sizes and shapes for firebricks	March, 2022	1	Indigenous
	Reviewed In: 2022	(300 Mm And Higher Sizes)			
85	IS 6:1983	Moderate Heat Duty Fireclay	February, 2025	-	Indigenous
	Reviewed In: 2025	Refractories, Group 'A'	•		
86	IS 7199:2008	Blast furnace stove refractories -	March, 2024	_	Indigenous
	Reviewed In: 2024	Specification (First Revision)			111115011040
87	IS 8:1994	High heat duty fireclay refractories	April, 2022	_	Indigenous
0/	Reviewed In : 2022	- Specification (Fgth Revision)	1 pm, 2022	_	marganous
	INCVICACIO III . 2022		1 2022	+ .	To dia succession
00	IC 8052-2006	6) percent aluming bridge and	March 71177		
88	IS 8953:2006	62 percent alumina bricks and	March, 2022	1	Indigenous
88	IS 8953:2006 Reviewed In : 2022	62 percent alumina bricks and blocks for blast furnace - Specification (First Revision)	March, 2022		indigenous

	89	IS 9010:1978	Specificatign for super heat duty	March, 2022	-	Indigenous
		Reviewed In: 2022	fireclay refractories			
Γ	90	IS 9930:2005	Zircon refractories for glass	February, 2025	=	Indigenous
1		Reviewed In: 2025	furnace applications - Specification			
1			(First Revision)			

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.	SI. No. Doc No. Title		
No Records Found			

		Finalized Draft Indian Standard	
SI. No.	SI. No. Doc No. Title		
No Records Found			

Finalized Draft Indian Standards under Print		
SI. No.	Doc No.	Title
No Records Found		

Total Published Standards:80 Total Standards Under development:0

Aspect Wise Report

Product: 43
Code of Practices: 6
Methods of Test: 37
Terminology: 1
Dimensions: 2
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	IC 10/07 1002	
1	IS 10607:1983	Specification for refractories for cement rotary kilns
	Reviewed In: 2017	
2	IS 11452:1985	Method of testing air - Setting refractory mortars
	Reviewed In: 2020	
3	IS 13185:1991	Method of test for determination of drying shrinkage of refractory mortars
	Reviewed In: 2022	
4	IS 14374:1996	Refractories for chimney - Recommendation
	Reviewed In: 2011	
5	IS 1522:1998	Fireclay blocks for glass tank furnace - Specification Second Revision
	Reviewed In: 2017	
6	IS 1523:1972	Specification for bottom - Pouring refractories for steel plants First Revision
	Reviewed In: 2022	
7	IS 1524:1968	Specification for refractory sleeves First Revision
	Reviewed In: 2017	
8	IS 1525:1968	Ladle refractories for steel plants
	Reviewed In: 2017	
9	IS 1528 (Part 8):1974	Methods of Sampling and Physical Tests for Refractory Materials - Part VIII Determination of
	Reviewed In: 2009	Apparent Porosity
10	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
11	IS 1528 (Part 11):1993	Methods of sampling and physical tests for refractory materials Part 11 determination of warpage
	Reviewed In: 2022	Second Revision
12	IS 1529:1971	Specification for blast furnace refractories for steel plants
	Reviewed In: 2017	
13	IS 15895:2011	High Alumina Refractory Cement
	IEC TR 62351-90-2:2018	<i>y</i>
14	IS 17069:2019	Method for Determination of Thermal Conductivity of Dense as Well as Insulating Fired Refractories Refractory Monolithics and Precast Prefired PCPF Shapes
15	IS 194:1950	Recommendations for refractories for railways
16	IS 2045:1962	Natural silimanite blocks for glass melting tanks furnaces
17	SP 37-3:1987	Handbook for refractories Part 3 refractories for cement kiln system
17	Reviewed In: 2017	Tailla dook for retractories fair a retractories for comenc and system
18	IS 4564:1968	Specification for fireclay nozzles
10	Reviewed In: 2022	Specification for the cary nozzae
19	IS 4565:1968	Specification for fireclay stoppers
	Reviewed In: 2022	Specification for incomy stoppeds
20	IS 4801:1980	Specification for chemically - Bonded magnesite - Chrome refractories for roof lining First
20	Reviewed In: 2017	Revision
21	IS 485:1954	Methods of sampling and testing of refractory materials tentative
21	15 403.1754	interious of sampling and testing of ferractory materials tendarive
22	IS 6727:1972	Specification for fireclay checker - Bricks for open - Hearth furnace
	Reviewed In: 2017	
23	IS 6728:1972	Specification for recuperator tubes tiles and collars for soaking pits in steel plants
	Reviewed In: 2022	
24	IS 7:1980	Moderate Heat Duty Fireclay Refractories Group B
25	IS 8966:1978	Specification for magnesite nozzles
	•	
	Reviewed In: 2022	
26	Reviewed In : 2022 IS 8977:1978	Specification for clay bonded graphite crucibles

Annexure-II :List of Indian Product Standards

SI. No.	IS No. & Year	Title
1	IS 10551:2005	Zircon mullite refractories for glass furnace applications - Specification First Revision
	Reviewed In: 2025	

2 IS 10817;1984 Specification for bauxite for refractory industry Reviewed In: 2025 Decision taken to Reaffirm and Archive 3 IS 10819;1999 Chromite for refractory industry - Specification First Revision Reviewed In: 2022 Specification for clay graphite stopper heads Reviewed In: 2022 Reviewed In: 2022 6 IS 12893;2006 Pyrometric reference cones for laboratory use - Specification First Revision Stop 1146;1988 Reviewed In: 2022 Specification First Revision Stop 1446;1988 Reviewed In: 2022 Specification First Revision Reviewed In: 2022 Specification Reviewed In: 2022 Specification Reviewed In: 2022 Reviewed In: 2022		IC 10017 1004	
Decision taken to Reaffirm and Archive 3 IS 10819:1999 Chromite for refractory industry - Specification First Revision Reviewed In : 2022 4 IS 11036:1984 Specification for clay graphite stopper heads Reviewed In : 2022 5 IS 12847:1997 Carbon bonded silicon carbide crucibles - Specification First Revision Reviewed In : 2022 6 IS 12893:2006 Pyrometric reference cones for laboratory use - Specification First Revision ISO 1146:1988 Reviewed In : 2022 Silica mortar for laying silica bricks in furnaces - Specification First Revision Reviewed In : 2022 Mica insulating bricks for high temperature applications - Specification First Revision Reviewed In : 2022 Silica mortar for laying silica bricks in coke ovens - Specification First Revision Reviewed In : 2022 Silica mortar for laying silica bricks in coke ovens - Specification Reviewed In : 2022 Silica mortar for laying silica bricks in coke ovens - Specification Reviewed In : 2022 Silica mortar for laying silica bricks in coke ovens - Specification Reviewed In : 2022 Silica mortar for laying silica bricks in coke ovens - Specification Reviewed In : 2022 Silica mortar for laying silica bricks in coke ovens - Specification Reviewed In : 2022 Silica mortar for laying silica bricks in coke ovens - Specification Reviewed In : 2022 Silica mortar for laying silica bricks in coke ovens - Specification Reviewed In : 2022 Silica mortar for laying silica bricks in coke ovens - Specification Reviewed In : 2022 Silica mortar for laying silica bricks in coke ovens - Specification Reviewed In : 2022 Silica mortar for laying silica bricks in furnaces - Specification Reviewed In : 2022 Silica mortar for laying silica bricks in furnaces - Specification Reviewed In : 2022 Silica mortar for laying silica bricks in furnaces - Specification Reviewed In : 2022 Silica mortar for laying silica bricks in furnaces - Specification Reviewed In : 2022 Silica mortar for laying silica bricks in furnaces - Specification Reviewed In : 2022 Silica	12	1	Specification for bauxite for refractory industry
and Archive Society			
Signature Secure			
Reviewed In: 2022 Specification for clay graphite stopper heads Reviewed In: 2022 Specification for clay graphite stopper heads Reviewed In: 2022 Specification First Revision Reviewed In: 2022 Specification First Revision Reviewed In: 2022 Specification Reviewed In: 2022 Specification First Revision Reviewed In: 2022 Specification Reviewed In: 2023 Specification Reviewed In: 2025 Specification Reviewed In: 2025 Specification Reviewed In: 2025 Specification Reviewed In:	2		Chromita for refrectory industry Specification First Davision
4 IS 11036:1984 Reviewed In : 2022 5 IS 12847:1997 Carbon bonded silicon carbide crucibles - Specification First Revision Reviewed In : 2022 6 IS 12837:2006 Pyrometric reference cones for laboratory use - Specification First Revision ISO 1146:1988 Reviewed In : 2022 ISO 1146:1988 7 IS 1292:1991 Reviewed In : 2022 8 IS 12951:2006 Mica insulating bricks for high temperature applications - Specification First Revision Reviewed In : 2022 9 IS 1315:01991 Silica mortar for laying silica bricks in furnaces - Specification First Revision Reviewed In : 2022 10 IS 14296:1995 Dolomite for refractory industry - Specification Reviewed In : 2022 11 IS 14301:1995 Kyanite for refractory industry - Specification Reviewed In : 2022 12 IS 14302:1995 Beach sand silimanite for refractory industry - Specification Reviewed In : 2022 13 IS 14303:1995 Magnesite for refractory industry - Specification Reviewed In : 2022 14 IS 14313:1995 Reviewed In : 2022 15 IS 14406:1996 Reviewed In : 2022 16 IS 14471:1997 Refractories for forge and heat treatment furnaces - Recommendations Reviewed In : 2022 17 IS 14713:1999 Serviewed In : 2022 18 IS 1485:2000 Reviewed In : 2022 19 IS 151507:2004 Basic insulating coating material for application in tundish used in steel plants - Specification Reviewed In : 2022 19 IS 15507:2004 Reviewed In : 2022 20 IS 15507:2004 Refractory mass Basic Gunning for steel plant application - Specification Reviewed In : 2022 21 IS 15508:2004 Refractory mass Basic Gunning for steel plant application - Specification Reviewed In : 2025 22 IS 15508:2004 Refractory mass Basic Gunning for steel plant application - Specification Reviewed In : 2025 23 IS 1749:2005 Burnt magnesite refractories - Specification Third Revision Reviewed In : 2022	,		Chromite for refractory muustry - Specification First Revision
Reviewed In: 2022 Carbon bonded silicon carbide crucibles - Specification First Revision Reviewed In: 2022 So	1		Specification for clay graphita stopper books
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11	10	IS 14296:1995	Dolomite for refractory industry - Specification
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12	11		Kyanite for refractory industry - Specification
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13	12		Beach sand silimanite for refractory industry - Specification
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14	13		Magnesite for refractory industry - Specification
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24 IS 1750:1995 Dead - Burned pea magnesite - Specification Third Revision		Reviewed In: 2022	<u> </u>
	24	IS 1750:1995	Dead - Burned pea magnesite - Specification Third Revision
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25 IS 1751:1984 Specification for fireclay cupola refractories Second Revision	25		Specification for fireclay cupola refractories Second Revision
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26 IS 17699:2022 Standard Classification of Silicon Carbide SiC Refractories	26		Standard Classification of Silicon Carbide SiC Refractories
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27 IS 195:2005 Fireclay mortar for laying fireclay refractory bricks - Specification Fourth Revision	27		Fireclay mortar for laying fireclay refractory bricks - Specification Fourth Revision
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28 IS 2042:2006 Insulating bricks - Specification Second Revision	28		Insulating bricks - Specification Second Revision
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29 IS 2043:1984 Specification for siliceous fireclay refractories First Revision	29	IS 2043:1984	Specification for siliceous fireclay refractories First Revision

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31	IS 3304:2005	Burnt magnesite - Chrome refractories for general purposes - Specification First Revision
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32	IS 3305:2005	Burnt chrome - Magnesite refractories for general purposes - Specification First Revision
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33	IS 4812:1996	Silica refractories for coke oven - Specification Second Revision
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36	IS 483:1972	Specification for fireclay refractories for oil - Fired boiler furnaces of naval ships First Revision
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38	IS 6:1983	Moderate Heat Duty Fireclay Refractories Group A
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39	IS 7199:2008	Blast furnace stove refractories - Specification First Revision
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40	IS 8:1994	High heat duty fireclay refractories - Specification Fgth Revision
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41	IS 8953:2006	62 percent alumina bricks and blocks for blast furnace - Specification First Revision
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42	IS 9010:1978	Specificatign for super heat duty fireclay refractories
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43	IS 9930:2005	Zircon refractories for glass furnace applications - Specification First Revision
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