

## BUREAU OF INDIAN STANDARDS

### Program of Work

#### MTD 14 : Foundry and Steel Castings Sectional Committee

Scope: Standardization in the field of foundry materials, foundry practices and steel castings.

Liaison: **ISO TC-17 SC-11 (P): Steel castings ISO TC-306 (O): Foundry machinery**

### Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10032 : 2013 Reviewed In : 2022	Organic no bake (Self Setting) binders for use in foundries - Specification (First Revision)	October, 2022	-	Indigenous
2	IS 10033 : 1992 Reviewed In : 2024	Zircon and graphite based core and mould washes - Specification (First Revision)	March, 2024	-	Indigenous
3	IS 10034 : 1981 Reviewed In : 2024	Basic requirements for equipment for determining moisture content in foundry sand	February, 2024	-	Indigenous
4	IS 10091 : 1981 Reviewed In : 2024	Specification for iron oxide powder for use in foundries	March, 2024	-	Indigenous
5	IS 10094 : 1998 Reviewed In : 2022	Pattern making by using expanded polystyrene material - Code of practice (First Revision)	February, 2022	-	Indigenous
6	IS 10214 : 1982 Reviewed In : 2024	Methods of sampling bentonite	February, 2024	-	Indigenous
7	IS 1030 : 1998 Reviewed In : 2022 ISO 14747	Carbon steel castings for general engineering purposes - Specification (Fifth Revision)	January, 2022	-	Not Equivalent
8	IS 10343 : 1999 Reviewed In : 2022	Carbon and low alloy steel investment castings for general applications - Specification (Second Revision)	February, 2022	-	Indigenous
9	IS 10469 : 1983 Reviewed In : 2022	Specification for antipiping compound for foundry	February, 2022	-	Indigenous
10	IS 10487 : 1983 Reviewed In : 2022	Specification for sand rammer	March, 2022	-	Indigenous
11	IS 10498 : 1983 Reviewed In : 2024	Specification for apparatus for determining permeability of foundry sands	February, 2024	-	Indigenous
12	IS 10504 : 1983 Reviewed In : 2022	Specification for exothermic feeding aid for foundry	March, 2022	-	Indigenous
13	IS 10518 : 1983 Reviewed In : 2024	Specification for snap flask moulding boxes and jackets	March, 2024	-	Indigenous
14	IS 10724 : 2023	ACCEPTANCE STANDARDS FOR MAGNETIC PARTICLE INSPECTION OF STEEL CASTINGS - SPECIFICATION		-	Indigenous
15	IS 10774 : 1993	Corrosion resistant high alloy steel	March, 2022	1	Indigenous

	Reviewed In : 2022	and nickel base investment castings for general application - Specification (First Revision)			
16	IS 10979 : 1984 Reviewed In : 2019 Reaffirmed but not taken up for revision	Specification for powder resin for use in shell process in foundries	February, 2019	-	Indigenous
17	IS 11099 : 1984 Reviewed In : 2022	Specification for universal sand testing machines	March, 2022	1	Indigenous
18	IS 11166 : 1993 Reviewed In : 2022	Permissible deviation on dimensions, surface roughness and mass of steel castings made with investment casting process (First Revision)	March, 2022	-	Indigenous
19	IS 11266 : 1985 Reviewed In : 2024	Specification for flake resins for use in shell process in foundries	March, 2024	-	Indigenous
20	IS 11286 : 1995 Reviewed In : 2024	Corrosion resistant high alloy steel, nickel base and cobalt base investment castings for severe applications - Specification (First Revision)	March, 2024	1	Indigenous
21	IS 11321 : 1985 Reviewed In : 2023 Decision taken to Reaffirm and Archive	Specification for graphite for graphite crucibles	June, 2023	-	Indigenous
22	IS 11709 : 2007 Reviewed In : 2022 ISO 16468	Technical delivery conditions for investment castings of steel (Second Revision)	March, 2022	-	Not Equivalent
23	IS 11732 : 1995 Reviewed In : 2022 ISO 4987	Acceptance standards for liquid penetrant inspection of steel casting (First Revision)	March, 2022	-	Not Equivalent
24	IS 11758 : 1994 Reviewed In : 2022	Precipitation hardening stainless steel castings - Specification (First Revision)	March, 2022	1	Indigenous
25	IS 12006 : 1987 Reviewed In : 2024	Specification for metal pattern and epoxy resin pattern equipments for foundries	March, 2024	-	Indigenous
26	IS 12117 : 2023	NORMS FOR CLASSIFICATION OF STEEL FOUNDRIES FOR QUALITY ASSURANCE (Second Revision)		-	Indigenous
27	IS 12272 : 1987 Reviewed In : 2022	Specification for divided blast cupola furnace	March, 2022	-	Indigenous
28	IS 12424 : 1988 Reviewed In : 2024	Specification for hot box resin for use in foundries	March, 2024	-	Indigenous
29	IS 12446 : 2007 Reviewed In : 2022	Bentonite for use in foundries - Specification (First Revision)	March, 2022	-	Indigenous
30	IS 12799 : 1989 Reviewed In : 2022	Foundry - Impregnation of castings - Recommended practice	March, 2022	-	Indigenous
31	IS 1280 : 1975 Reviewed In : 2024	Specification for foundry moulding boxes of steel construction (Second Revision)	March, 2024	1	Indigenous
32	IS 12880 : 1989 Reviewed In : 2022	Guidelines for controlling foundry rejection	March, 2022	-	Indigenous
33	IS 12938 : 1990 Reviewed In : 2022 ISO 4993	Acceptance standards for radiographic inspection of steel castings	March, 2022	-	Not Equivalent

34	IS 12968 : 1991 Reviewed In : 2022	Steel castings for crankshafts for marine engines - Specification	March, 2022	1	Indigenous
35	IS 1305 : 1984 Reviewed In : 2022	Specification for graphite for use in foundry coatings (Third Revision)	January, 2022	2	Indigenous
36	IS 13100 : 1991 Reviewed In : 2024	Pitch powder for use in cast iron foundry	March, 2024	-	Indigenous
37	IS 13126 : 1991 Reviewed In : 2019 Reaffirmed but not taken up for revision	Silicon carbide chills - Specification	February, 2019	-	Indigenous
38	IS 13173 : 1991 Reviewed In : 2022	Code of practice for clay bonded graphite crucibles and carbon bonded silicon carbide crucibles - Handling and usage	March, 2022	-	Indigenous
39	IS 13505 : 1992 Reviewed In : 2022	Centrifugally cast high alloy steel and nickel base tubing for pressure application at high temperature - Specification	March, 2022	-	Indigenous
40	IS 1513 : 2024	WOODEN PATTERN EQUIPMENT FOR FOUNDRIES - SPECIFICATION - (Third Revision)		-	Indigenous
41	IS 15865 : 2009 Reviewed In : 2021	Exothermic and insulating sleeves for use in foundries - Specification	March, 2021	-	Indigenous
42	IS 16295 : 2015 Reviewed In : 2021	Polyurethane cold box binder for use in foundries - Specification	March, 2021	-	Indigenous
43	IS 1748 : 1981 Reviewed In : 2023 Decision taken to Reaffirm and Archive	Sizes of graphite crucibles (First Revision)	June, 2023	-	Indigenous
44	IS 1752 : 2023	Coal Dust for Use in Cast Iron Foundry $\frac{1}{2}$ Specification (Third Revision)		-	Indigenous
45	IS 1811 : 1984 Reviewed In : 2022	Methods of sampling foundry sand (First Revision)	January, 2022	-	Indigenous
46	IS 1918 : 1966 Reviewed In : 2022	Methods of physical tests for foundry sands	January, 2022	1	Indigenous
47	IS 1987 : 2002 Reviewed In : 2024	High silica sand for use in foundries - Specification (Second Revision)	March, 2024	1	Indigenous
48	IS 2644 : 1994 Reviewed In : 2022 ISO 9477	High strength steel castings for general engineering and structural purposes - Specification (Fourth Revision)	January, 2022	-	Not Equivalent
49	IS 2707 : 1996 Reviewed In : 2024	Carbon steel castings for surface hardening - Specification (Fourth Revision)	March, 2024	1	Indigenous
50	IS 2708 : 1993 Reviewed In : 2022	1.5 percent manganese steel castings for general engineering purposes - Specification (Third Revision)	January, 2022	-	Indigenous
51	IS 276 : 2000 Reviewed In : 2022	Austenitic - Manganese steel castings - Specification (First Revision)	January, 2022	-	Indigenous
52	IS 2763 : 1999 Reviewed In : 2024	Glossary of terms relating to foundry technology (First	March, 2024	-	Indigenous

		Revision)			
53	IS 2856 : 1999 Reviewed In : 2022	Carbon steel castings for pressure containing parts suitable for fusion welding - Specification (Fourth Revision)	January, 2022	-	Indigenous
54	IS 2985 : 1990 Reviewed In : 2022	Steel Castings for Ship's Structure	January, 2022	-	Indigenous
55	IS 2986 : 1990 Reviewed In : 2022	Steel castings for marine engines and boilers - Specification (Second Revision)	January, 2022	1	Indigenous
56	IS 3018 : 1977 Reviewed In : 2024	Specification for standard silica sand for raw material testing in foundries	March, 2024	-	Indigenous
57	IS 3038 : 2006 Reviewed In : 2022	Martensitic stainless steel and alloy steel castings for pressure containing parts suitable for high temperature service - Specification (Fourth Revision)	January, 2022	-	Indigenous
58	IS 3339 : 1975 Reviewed In : 2019	Specification for silica flour for use in foundries (First Revision)	February, 2019	-	Indigenous
59	IS 3343 : 1965 Reviewed In : 2024	Specification for natural moulding sand for use in foundries	March, 2024	-	Indigenous
60	IS 3444 : 1999 Reviewed In : 2024 ISO 11972	Corrosion resistant high alloy steel and nickel base castings for general applications - Specification (Third Revision)	March, 2024	-	Not Equivalent
61	IS 4269 : 1981 Reviewed In : 2024	Specification for dextrin for use in foundries (First Revision)	March, 2024	-	Indigenous
62	IS 4475 (Part 1) : 1986 Reviewed In : 2024	Specification for crane - Suspended ladles for foundries: Part 1 straight/taper sided geared ladles 0.25 to 10 tonnes for iron and steel foundries (Second Revision)	March, 2024	-	Indigenous
63	IS 4475 (Part 2) : 1986 Reviewed In : 2024	Specification for crane - Suspended ladles for foundries: Part 2 cylindrical geared ladles 0.25 to 3 - O tonnes for iron foundries (Second Revision)	March, 2024	-	Indigenous
64	IS 4475 (Part 3) : 1989 Reviewed In : 2024	Foundry - Crane suspended ladlesspecification: Part 3 straight/taper sided ladles 0.25 to 3.0 tonnes for S. G. iron foundries (Second Revision)	March, 2024	-	Indigenous
65	IS 4475 (Part 4) : 1988 Reviewed In : 2024	Specification for crane suspended ladles for iron and steel foundries: Part 4 taper sided non - Geared ladles - 15 to 50 tonnes capacities for iron and steel foundries (Second Revision)	March, 2024	-	Indigenous
66	IS 4491 : 1994 Reviewed In : 2022	Steel castings of high magnetic permeability - Specification (Third Revision)	January, 2022	-	Indigenous
67	IS 4522 : 1986 Reviewed In : 2022 ISO 11973	Specification for heat resistant alloy steel and nickel base castings (Second Revision)	January, 2022	1	Not Equivalent
68	IS 4604 : 1975 Reviewed In : 2024	Specification for pattern plates for machine moulding boxes (First Revision)	March, 2024	-	Indigenous

69	IS 4606 : 1983 Reviewed In : 2024	Specification for steel shots for use in foundries (First Revision)	March, 2024	1	Indigenous
70	IS 4683 : 1968 Reviewed In : 2024	Specification for chilled iron shot and grit for use in foundries	March, 2024	-	Indigenous
71	IS 4843 : 2024	Ferrous Casting - Code for Designation ( First Revision )		-	Indigenous
72	IS 4896 : 1992 Reviewed In : 2024	One percent chromium steel castings for resistance to abrasion - Specification (Second Revision)	March, 2024	-	Indigenous
73	IS 4897 : 1994 Reviewed In : 2022	Deviations on untoleranced dimensions and mass of steel castings (Third Revision)	January, 2022	-	Indigenous
74	IS 4898 : 1989 Reviewed In : 2022	Steel castings for case carburizing - Specification (Second Revision)	January, 2022	1	Indigenous
75	IS 4899 : 2006 Reviewed In : 2022	Ferritic and martensitic steel castings for use at low temperature - Specification (Third Revision)	January, 2022	-	Indigenous
76	IS 4981 : 1984 Reviewed In : 2022	Specification for guide pins for foundry pattern plates (Second Revision)	February, 2022	1	Indigenous
77	IS 4982 : 1984 Reviewed In : 2024	Specification for closing pins for foundry moulding boxes (Second Revision)	March, 2024	1	Indigenous
78	IS 5032 : 1983 Reviewed In : 2022	Recommended sizes off cupola furnace for foundry (Second Revision)	February, 2022	-	Indigenous
79	IS 5303 : 1974 Reviewed In : 2019	Specification for zircon flour for use in foundries (First Revision)	February, 2019	-	Indigenous
80	IS 5824 : 2023	Lancets for Use in Foundries $i_c^{1/2}$ Specification ( First Revision )		-	Indigenous
81	IS 5841 : 2023	Fluted Core Cleaners for Use in Foundries $i_c^{1/2}$ Specification		-	Indigenous
82	IS 5841 : 1970 Reviewed In : 2019	Specification for fluted core cleaners for use in foundries	February, 2019	-	Indigenous
83	IS 5850 : 2023	STAR (TRIANGULAR) CUTTERS FOR USE IN FOUNDRIES $i_c^{1/2}$ SPECIFICATION (First Revision)		-	Indigenous
84	IS 5873 : 1970 Reviewed In : 2024	Specification for steel cut - Wire shots for use in foundries	March, 2024	-	Indigenous
85	IS 5904 : 1978 Reviewed In : 2024	Specification for steel chaplets for use in ferrous foundries (First Revision)	March, 2024	-	Indigenous
86	IS 5981 : 1986 Reviewed In : 2019 Reaffirmed but not taken up for revision	Specification for sleebers for use in foundries (First Revision)	February, 2019	-	Indigenous
87	IS 5988 : 2023 ISO 8752: 2009 and ISO 13337: 2009	Specification for Spring Dowel Sleeves (Light and Heavy Pattern) for use in Foundries ( First Revision )		-	Not Equivalent
88	IS 6013 : 2023	Trowels for Use in Foundries $i_c^{1/2}$ Specification( First Revision )		-	Indigenous
89	IS 6079 : 1989 Reviewed In : 2022	Low alloy cast steel grinding media - Specification (Second Revision)	February, 2022	1	Indigenous
90	IS 6366 : 1971 Reviewed In : 2022	Specification for sprue plugs for use in foundries	February, 2022	-	Indigenous
91	IS 6376 : 1986	Specification for pattern lifting	March, 2024	-	Indigenous

	Reviewed In : 2024	pins and hooks for use in foundries (First Revision)			
92	IS 6377 : 1971 Reviewed In : 2024	Specification for mallets for use in foundries	March, 2024	-	Indigenous
93	IS 6378 : 1986 Reviewed In : 2024	Specification for pattern lifting and rapping plates (First Revision)	March, 2024	-	Indigenous
94	IS 6401 : 1986 Reviewed In : 2024	Specification for dowel pins for use in foundries (First Revision)	March, 2024	-	Indigenous
95	IS 6443 : 1971 Reviewed In : 2022	Specification for lifters and cleaners for use in foundries	February, 2022	-	Indigenous
96	IS 6447 : 1986 Reviewed In : 2024	Specification for vent wires for use in foundries (First Revision)	March, 2024	-	Indigenous
97	IS 6482 : 1971 Reviewed In : 2022	Specification for tampers and rammers for use in foundries	February, 2022	-	Indigenous
98	IS 6482 : 2023	Tampers and rammers for use in foundries -Specification		-	Indigenous
99	IS 6601 : 1987 Reviewed In : 2022	Permissible deviations in chemical composition for product analysis of steel castings (First Revision)	February, 2022	1	Indigenous
100	IS 6773 : 2008 Reviewed In : 2021	Sodium silicate for use in foundries - Specification (Second Revision)	March, 2021	-	Indigenous
101	IS 6788 : 2023	Chromite Sand for Use in Foundries $i_{\frac{1}{2}}$ Specification ( First Revision )		-	Indigenous
102	IS 6907 : 1992 Reviewed In : 2024	Steel castings - Mcethods of sampling (First Revision)	March, 2024	-	Indigenous
103	IS 7295 : 1974 Reviewed In : 2019	Specification for chamotte	February, 2019	-	Indigenous
104	IS 7297 : 1974 Reviewed In : 2024	Specification for olivine sand and flour for use in steel foundries	March, 2024	-	Indigenous
105	IS 7547 : 1987 Reviewed In : 2024	Specification for steel nails used as internal chills in steel castings (First Revision)	March, 2024	-	Indigenous
106	IS 7806 : 1993 Reviewed In : 2022	Martensitic steel and austenitic high alloy steel castings for high temperature corrosion services - Specification (Second Revision)	February, 2022	-	Indigenous
107	IS 7899 : 2006 Reviewed In : 2022 ISO 4991	Alloy steel castings suitable for pressure service - Specification (Third Revision)	February, 2022	-	Not Equivalent
108	IS 8092 : 1992 Reviewed In : 2022	Code for inspection of surface quality of steel castings for valves, fittings and other piping compone - Nuts (Visual Method) (First Revision)	February, 2022	-	Indigenous
109	IS 8228 : 1976 Reviewed In : 2019	Specification for bauxite sand	February, 2019	-	Indigenous
110	IS 8246 : 1976 Reviewed In : 2024	Specification for liquid resins for use in shell process in foundries	March, 2024	-	Indigenous
111	IS 8250 : 1988 Reviewed In : 2024	Specification for foundry parting agents (First Revision)	March, 2024	1	Indigenous
112	IS 8779 : 1978 Reviewed In : 2024	Specification for core gums (Sodium Silicate Based) for use in foundries	March, 2024	-	Indigenous
113	IS 8785 : 1978 Reviewed In : 2024	Specification for Co2 core binder system (Binder And Break - Down Agent) for use in foundries	March, 2024	-	Indigenous
114	IS 8800 : 2023 ISO 4990	TECHNICAL DELIVERY CONDITIONS FOR STEEL		-	Not Equivalent



		CASTINGS EXCLUDING INVESTMENT CASTINGS			
115	IS 8939 : 1978 Reviewed In : 2024	Code of practice for use of oxygen in iron, steel and non - Ferrous metal foundries	March, 2024	-	Indigenous
116	IS 8988 : 1978 Reviewed In : 2024	Specification for bauxite powder for foundry washes	March, 2024	-	Indigenous
117	IS 9007 : 2023 SFSA Designation: 11-72	Zircon Sand for Use in Foundries-Specification (First Revision)		-	Not Equivalent
118	IS 9007 : 1978 Reviewed In : 2019 SFSA Designation: 11-72	Specification for zircon sand for use in foundries	February, 2019	-	Not Equivalent
119	IS 9008 : 1978 Reviewed In : 2024	Specification for core repairing paste for use in foundries	March, 2024	-	Indigenous
120	IS 9009 : 1992 Reviewed In : 2022	Foundry core oils - Specification (First Revision)	February, 2022	1	Indigenous
121	IS 9139 : 1979 Reviewed In : 2019	Specification for malleable iron shots and grits for use in foundries	February, 2019	2	Indigenous
122	IS 9139 : 2023	MALLEABLE IRON SHOTS AND GRITS FOR USE IN FOUNDRIES $\frac{1}{2}$ SPECIFICATION		-	Indigenous
123	IS 9541 : 1987 Reviewed In : 2024	Specification for cast CTC segments (First Revision)	March, 2024	-	Indigenous
124	IS 9565 : 2023 ISO 4992-1&2	ACCEPTANCE STANDARDS FOR ULTRASONIC INSPECTION OF STEEL CASTINGS-SPECIFICATION		-	Not Equivalent
125	IS 9661 : 1980 Reviewed In : 2024	Specification for hand shank ladles	March, 2024	-	Indigenous
126	IS 9674 : 1980 Reviewed In : 2024	Test methods for fluid self hardening sands	March, 2024	1	Indigenous
127	IS 9929 : 1981 Reviewed In : 2022	Method for determining life of graphite crucibles	March, 2022	-	Indigenous

### Standards under Development

#### Projects Approved

Sl. No.	Doc No.	Title
1	MTD 14 (20989) Revision of: IS 5873:1970	Specification for steel cut - Wire shots for use in foundries
2	MTD 14 (20994) Revision of: IS 4683:1968	Specification for chilled iron shot and grit for use in foundries

#### Preliminary Draft Standards

Sl. No.	Doc No.	Title
1	MTD 14 (20777) Revision of: IS 1918:1966	METHODS OF PHYSICAL TESTS FOR FOUNDRY SANDS
2	MTD 14 (24305) Revision of: IS 8250:1988	FOUNDRY PARTING AGENTS SPECIFICATION Second Revision of IS 8250
3	MTD 14 (24401) Revision of: IS 6907:1992	STEEL CASTINGS METHOD OF SAMPLING Second Revision of IS 6907

### Drafts Standards in WC Stage

SI. No.	Doc No.	Title
1	MTD 14 (19694)	STEEL CASTINGS FOR PRESSURE PURPOSES
2	MTD 14 (23726)	HIGH CHROME GRINDING MEDIA BALL FOR CEMENT MILLS - SPECIFICATION
3	MTD 14 (24307) Revision of: IS 8939:1978	CODE OF PRACTICE FOR USE OF OXYGEN IN IRON STEEL AND NON-FERROUS METAL FOUNDRIES First Revision of IS 8939
4	MTD 14 (24402) Revision of: IS 13100:1991	PITCH POWDER FOR USE IN CAST IRON FOUNDRY - SPECIFICATION
5	MTD 14 (24404) Revision of: IS 4896:1992	ONE-PERCENT CHROMIUM STEEL CASTINGS FOR RESISTANCE TO ABRASION SPECIFICATION Third Revision of IS 4896

### Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
1	MTD 14 (17996)	Norms for classification of steel foundries for quality assurance First Revision Amendment - 1
2	MTD 14 (20778) Revision of: IS 4896:1992	SPECIFICATION FOR CHAMOTTE First Revision
3	MTD 14 (20992) Revision of: IS 4896:1992	Specification for natural moulding sand for use in foundries
4	MTD 14 (22884) Revision of: IS 4896:1992	STANDARD SILICA SAND FOR RAW MATERIAL TESTING IN FOUNDRY - SPECIFICATION

### 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
1	MTD 14 (20983) Revision of: IS 6366:1971	Specification for sprue plugs for use in foundries
2	MTD 14 (20987) Revision of: IS 5303:1974	Zircon flour for use in foundries - Specification Second Revision
3	MTD 14 (21999) Revision of: IS 3339:1975	SILICA FLOUR FOR USE IN FOUNDRIES - SPECIFICATION Second Revision
4	MTD 14 (22414) Revision of: IS 11286:1995	CORROSION RESISTANT HIGH ALLOY STEEL NICKEL BASE AND COBALT BASE INVESTMENT CASTINGS FOR SEVERE APPLICATIONS SPECIFICATION
5	MTD 14 (22749) Revision of: IS 8228:1976	BAUXITE SAND - SPECIFICATION First Revision

**Total Published Standards:123 Total Standards Under development:19**

### Aspect Wise Report

Product : 97  
Code of Practices : 16  
Methods of Test : 3  
Terminology : 1  
Dimensions : 4  
System Standard : 0  
Safety Standard : 0  
Others : 2  
Service Specification : 0  
Process Specification : 0  
Unclassified : 0



## Annexure-I :List of Indian Standards Withdrawn/Superseded

Sl. No.	IS No. & Year	Title
1	IS 10343 (Part 1) : 1982	Specification For Carbon and Low Alloy Steel Investment Casting for General Applications
2	IS 3021 : 1975	Bentonite for use in foundries
3	IS 3666 : 1966	Tests for foundry core oils
4	IS 4140 : 1978	Demolition of buildings - Code of safety Second Revision
5	IS 4476 : 1975	Crane-suspended hand-operated geared ladles for steel foundries

## Annexure-II :List of Indian Product Standards

Sl. No.	IS No. & Year	Title
1	IS 10032 : 2013 Reviewed In : 2022	Organic no bake Self Setting binders for use in foundries - Specification First Revision
2	IS 10033 : 1992 Reviewed In : 2024	Zircon and graphite based core and mould washes - Specification First Revision
3	IS 10091 : 1981 Reviewed In : 2024	Specification for iron oxide powder for use in foundries
4	IS 1030 : 1998 Reviewed In : 2022 ISO 14747	Carbon steel castings for general engineering purposes - Specification Fifth Revision
5	IS 10343 : 1999 Reviewed In : 2022	Carbon and low alloy steel investment castings for general applications - Specification Second Revision
6	IS 10469 : 1983 Reviewed In : 2022	Specification for antipiping compound for foundry
7	IS 10487 : 1983 Reviewed In : 2022	Specification for sand rammer
8	IS 10498 : 1983 Reviewed In : 2024	Specification for apparatus for determining permeability of foundry sands
9	IS 10504 : 1983 Reviewed In : 2022	Specification for exothermic feeding aid for foundry
10	IS 10518 : 1983 Reviewed In : 2024	Specification for snap flask moulding boxes and jackets
11	IS 10979 : 1984 Reviewed In : 2019 Reaffirmed but not taken up for revision	Specification for powder resin for use in shell process in foundries
12	IS 11099 : 1984 Reviewed In : 2022	Specification for universal sand testing machines
13	IS 11266 : 1985 Reviewed In : 2024	Specification for flake resins for use in shell process in foundries
14	IS 11286 : 1995 Reviewed In : 2024	Corrosion resistant high alloy steel nickel base and cobalt base investment castings for severe applications - Specification First Revision
15	IS 11321 : 1985 Reviewed In : 2023 Decision taken to Reaffirm and Archive	Specification for graphite for graphite crucibles
16	IS 11758 : 1994 Reviewed In : 2022	Precipitation hardening stainless steel castings - Specification First Revision
17	IS 12006 : 1987 Reviewed In : 2024	Specification for metal pattern and epoxy resin pattern equipments for foundries
18	IS 12272 : 1987 Reviewed In : 2022	Specification for divided blast cupola furnace

19	IS 12424 : 1988 Reviewed In : 2024	Specification for hot box resin for use in foundries
20	IS 12446 : 2007 Reviewed In : 2022	Bentonite for use in foundries - Specification First Revision
21	IS 1280 : 1975 Reviewed In : 2024	Specification for foundry moulding boxes of steel construction Second Revision
22	IS 12968 : 1991 Reviewed In : 2022	Steel castings for crankshafts for marine engines - Specification
23	IS 1305 : 1984 Reviewed In : 2022	Specification for graphite for use in foundry coatings Third Revision
24	IS 13100 : 1991 Reviewed In : 2024	Pitch powder for use in cast iron foundry
25	IS 13126 : 1991 Reviewed In : 2019 Reaffirmed but not taken up for revision	Silicon carbide chills - Specification
26	IS 13505 : 1992 Reviewed In : 2022	Centrifugally cast high alloy steel and nickel base tubing for pressure application at high temperature - Specification
27	IS 1513 : 2024	WOODEN PATTERN EQUIPMENT FOR FOUNDRIES - SPECIFICATION - Third Revision
28	IS 15865 : 2009 Reviewed In : 2021	Exothermic and insulating sleeves for use in foundries - Specification
29	IS 16295 : 2015 Reviewed In : 2021	Polyurethane cold box binder for use in foundries - Specification
30	IS 1752 : 2023	Coal Dust for Use in Cast Iron Foundry Specification Third Revision
31	IS 1987 : 2002 Reviewed In : 2024	High silica sand for use in foundries - Specification Second Revision
32	IS 2644 : 1994 Reviewed In : 2022 ISO 9477	High strength steel castings for general engineering and structural purposes - Specification Fourth Revision
33	IS 2707 : 1996 Reviewed In : 2024	Carbon steel castings for surface hardening - Specification Fourth Revision
34	IS 2708 : 1993 Reviewed In : 2022	1.5 percent manganese steel castings for general engineering purposes - Specification Third Revision
35	IS 276 : 2000 Reviewed In : 2022	Austenitic - Manganese steel castings - Specification First Revision
36	IS 2856 : 1999 Reviewed In : 2022	Carbon steel castings for pressure containing parts suitable for fusion welding - Specification Fourth Revision
37	IS 2985 : 1990 Reviewed In : 2022	Steel Castings for Ship's Structure
38	IS 2986 : 1990 Reviewed In : 2022	Steel castings for marine engines and boilers - Specification Second Revision
39	IS 3018 : 1977 Reviewed In : 2024	Specification for standard silica sand for raw material testing in foundries
40	IS 3038 : 2006 Reviewed In : 2022	Martensitic stainless steel and alloy steel castings for pressure containing parts suitable for high temperature service - Specification Fourth Revision
41	IS 3339 : 1975 Reviewed In : 2019	Specification for silica flour for use in foundries First Revision
42	IS 3343 : 1965 Reviewed In : 2024	Specification for natural moulding sand for use in foundries
43	IS 3444 : 1999 Reviewed In : 2024 ISO 11972	Corrosion resistant high alloy steel and nickel base castings for general applications - Specification Third Revision
44	IS 4269 : 1981 Reviewed In : 2024	Specification for dextrin for use in foundries First Revision
45	IS 4475 (Part 1) : 1986 Reviewed In : 2024	Specification for crane - Suspended ladles for foundries Part 1 straight taper sided geared ladles 0.25 to 10 tonnes for iron and steel foundries Second Revision
46	IS 4475 (Part 2) : 1986	Specification for crane - Suspended ladles for foundries Part 2 cylindrical geared ladles 0.25 to 3 -

	Reviewed In : 2024	O tonnes for iron foundries Second Revision
47	IS 4475 (Part 3) : 1989 Reviewed In : 2024	Foundry - Crane suspended ladles specification Part 3 straight taper sided ladles 0.25 to 3.0 tonnes for S G iron foundries Second Revision
48	IS 4475 (Part 4) : 1988 Reviewed In : 2024	Specification for crane suspended ladles for iron and steel foundries Part 4 taper sided non - Geared ladles - 15 to 50 tonnes capacities for iron and steel foundries Second Revision
49	IS 4491 : 1994 Reviewed In : 2022	Steel castings of high magnetic permeability - Specification Third Revision
50	IS 4522 : 1986 Reviewed In : 2022 ISO 11973	Specification for heat resistant alloy steel and nickel base castings Second Revision
51	IS 4604 : 1975 Reviewed In : 2024	Specification for pattern plates for machine moulding boxes First Revision
52	IS 4606 : 1983 Reviewed In : 2024	Specification for steel shots for use in foundries First Revision
53	IS 4683 : 1968 Reviewed In : 2024	Specification for chilled iron shot and grit for use in foundries
54	IS 4896 : 1992 Reviewed In : 2024	One percent chromium steel castings for resistance to abrasion - Specification Second Revision
55	IS 4898 : 1989 Reviewed In : 2022	Steel castings for case carburizing - Specification Second Revision
56	IS 4899 : 2006 Reviewed In : 2022	Ferritic and martensitic steel castings for use at low temperature - Specification Third Revision
57	IS 4981 : 1984 Reviewed In : 2022	Specification for guide pins for foundry pattern plates Second Revision
58	IS 4982 : 1984 Reviewed In : 2024	Specification for closing pins for foundry moulding boxes Second Revision
59	IS 5032 : 1983 Reviewed In : 2022	Recommended sizes off cupola furnace for foundry Second Revision
60	IS 5303 : 1974 Reviewed In : 2019	Specification for zircon flour for use in foundries First Revision
61	IS 5824 : 2023	Lancets for Use in Foundries Specification First Revision
62	IS 5841 : 2023	Fluted Core Cleaners for Use in Foundries Specification
63	IS 5850 : 2023	STAR TRIANGULAR CUTTERS FOR USE IN FOUNDRIES SPECIFICATION First Revision
64	IS 5873 : 1970 Reviewed In : 2024	Specification for steel cut - Wire shots for use in foundries
65	IS 5904 : 1978 Reviewed In : 2024	Specification for steel chaplets for use in ferrous foundries First Revision
66	IS 5981 : 1986 Reviewed In : 2019 Reaffirmed but not taken up for revision	Specification for sleekers for use in foundries First Revision
67	IS 5988 : 2023	Specification for Spring Dowel Sleeves Light and Heavy Pattern for use in Foundries First Revision
68	IS 6013 : 2023	Trowels for Use in Foundries Specification First Revision
69	IS 6079 : 1989 Reviewed In : 2022	Low alloy cast steel grinding media - Specification Second Revision
70	IS 6366 : 1971 Reviewed In : 2022	Specification for sprue plugs for use in foundries
71	IS 6376 : 1986 Reviewed In : 2024	Specification for pattern lifting pins and hooks for use in foundries First Revision
72	IS 6377 : 1971 Reviewed In : 2024	Specification for mallets for use in foundries
73	IS 6378 : 1986 Reviewed In : 2024	Specification for pattern lifting and rapping plates First Revision
74	IS 6401 : 1986	Specification for dowel pins for use in foundries First Revision

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75	IS 6443 : 1971 Reviewed In : 2022	Specification for lifters and cleaners for use in foundries
76	IS 6447 : 1986 Reviewed In : 2024	Specification for vent wires for use in foundries First Revision
77	IS 6482 : 2023	Tampers and rammers for use in foundries -Specification
78	IS 6773 : 2008 Reviewed In : 2021	Sodium silicate for use in foundries - Specification Second Revision
79	IS 6788 : 2023	Chromite Sand for Use in Foundries Specification First Revision
80	IS 7295 : 1974 Reviewed In : 2019	Specification for chamotte
81	IS 7297 : 1974 Reviewed In : 2024	Specification for olivine sand and flour for use in steel foundries
82	IS 7547 : 1987 Reviewed In : 2024	Specification for steel nails used as internal chills in steel castings First Revision
83	IS 7806 : 1993 Reviewed In : 2022	Martensitic steel and austenitic high alloy steel castings for high temperature corrosion services - Specification Second Revision
84	IS 7899 : 2006 Reviewed In : 2022 ISO 4991	Alloy steel castings suitable for pressure service - Specification Third Revision
85	IS 8228 : 1976 Reviewed In : 2019	Specification for bauxite sand
86	IS 8246 : 1976 Reviewed In : 2024	Specification for liquid resins for use in shell process in foundries
87	IS 8250 : 1988 Reviewed In : 2024	Specification for foundry parting agents First Revision
88	IS 8779 : 1978 Reviewed In : 2024	Specification for core gums Sodium Silicate Based for use in foundries
89	IS 8785 : 1978 Reviewed In : 2024	Specification for Co2 core binder system Binder And Break - Down Agent for use in foundries
90	IS 8800 : 2023	TECHNICAL DELIVERY CONDITIONS FOR STEEL CASTINGS EXCLUDING INVESTMENT CASTINGS
91	IS 8988 : 1978 Reviewed In : 2024	Specification for bauxite powder for foundry washes
92	IS 9007 : 2023	Zircon Sand for Use in Foundries- Specification First Revision
93	IS 9008 : 1978 Reviewed In : 2024	Specification for core repairing paste for use in foundries
94	IS 9009 : 1992 Reviewed In : 2022	Foundry core oils - Specification First Revision
95	IS 9139 : 2023	MALLEABLE IRON SHOTS AND GRITS FOR USE IN FOUNDRIES SPECIFICATION
96	IS 9541 : 1987 Reviewed In : 2024	Specification for cast CTC segments First Revision
97	IS 9661 : 1980 Reviewed In : 2024	Specification for hand shank ladles