

## 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 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 <i>Reviewed In : 2022</i>	Organic no bake (Self Setting) binders for use in foundries - Specification (First Revision)	October, 2022	-	Indigenous
2	IS 10033:1992 <i>Reviewed In : 2024</i>	Zircon and graphite based core and mould washes - Specification (First Revision)	March, 2024	-	Indigenous
3	IS 10034:1981 <i>Reviewed In : 2024</i>	Basic requirements for equipment for determining moisture content in foundry sand	February, 2024	-	Indigenous
4	IS 10091:1981 <i>Reviewed In : 2024</i>	Specification for iron oxide powder for use in foundries	March, 2024	-	Indigenous
5	IS 10094:1998 <i>Reviewed In : 2022</i>	Pattern making by using expanded polystyrene material - Code of practice (First Revision)	February, 2022	-	Indigenous
6	IS 10214:1982 <i>Reviewed In : 2024</i>	Methods of sampling bentonite	February, 2024	-	Indigenous
7	IS 1030:1998 <i>Reviewed In : 2022</i> ISO 14747	Carbon steel castings for general engineering purposes - Specification (Fifth Revision)	January, 2022	-	Not Equivalent
8	IS 10343:1999 <i>Reviewed In : 2022</i>	Carbon and low alloy steel investment castings for general applications - Specification (Second Revision)	February, 2022	-	Indigenous
9	IS 10469:1983 <i>Reviewed In : 2022</i>	Specification for antipiping compound for foundry	February, 2022	-	Indigenous
10	IS 10487:1983 <i>Reviewed In : 2022</i>	Specification for sand rammer	March, 2022	-	Indigenous
11	IS 10498:1983 <i>Reviewed In : 2024</i>	Specification for apparatus for determining permeability of foundry sands	February, 2024	-	Indigenous
12	IS 10504:1983 <i>Reviewed In : 2022</i>	Specification for exothermic feeding aid for foundry	March, 2022	-	Indigenous
13	IS 10518:1983 <i>Reviewed In : 2024</i>	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 Reviewed In : 2022	Corrosion resistant high alloy steel and nickel base investment castings for general application - Specification (First Revision)	March, 2022	1	Indigenous
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 11286:2024	Corrosion Resistant High Alloy Steel, Nickel Base and Cobalt Base Investment Castings for Severe Applications " Specification (Second Revision)		-	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	Acceptance standards for radiographic inspection of steel	March, 2022	-	Not Equivalent

	ISO 4993	castings			
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 $i_c^{1/2}$ 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	Glossary of terms relating to	March, 2024	-	Indigenous

	Reviewed In : 2024	foundry technology (First 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 3339:2024	Silica Flour for Use in Foundries - Specification (Second Revision)		-	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	Specification for pattern plates for	March, 2024	-	Indigenous

	Reviewed In : 2024	machine moulding boxes (First Revision)			
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 5303:2024	Zircon Flour for Use in Foundries " Specification (Second Revision)		-	Indigenous
80	IS 5824:2023	Lancets for Use in Foundries 1/2 Specification ( First Revision )		-	Indigenous
81	IS 5841:2023	Fluted Core Cleaners for Use in Foundries 1/2 Specification		-	Indigenous
82	IS 5850:2023	STAR (TRIANGULAR) CUTTERS FOR USE IN FOUNDRIES 1/2 SPECIFICATION (First Revision)		-	Indigenous
83	IS 5873:1970 Reviewed In : 2024	Specification for steel cut - Wire shots for use in foundries	March, 2024	-	Indigenous
84	IS 5904:1978 Reviewed In : 2024	Specification for steel chaplets for use in ferrous foundries (First Revision)	March, 2024	-	Indigenous
85	IS 5981:1986 Reviewed In : 2019 Reaffirmed but not taken up for revision	Specification for sleekers for use in foundries (First Revision)	February, 2019	-	Indigenous
86	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
87	IS 6013:2023	Trowels for Use in Foundries 1/2 Specification( First Revision )		-	Indigenous
88	IS 6079:1989 Reviewed In : 2022	Low alloy cast steel grinding media - Specification (Second Revision)	February, 2022	1	Indigenous
89	IS 6366:2024	Sprue Plugs for Use in Foundries " Specification (First Revision)		-	Indigenous

90	IS 6376:1986 Reviewed In : 2024	Specification for pattern lifting pins and hooks for use in foundries (First Revision)	March, 2024	-	Indigenous
91	IS 6377:1971 Reviewed In : 2024	Specification for mallets for use in foundries	March, 2024	-	Indigenous
92	IS 6378:1986 Reviewed In : 2024	Specification for pattern lifting and rapping plates (First Revision)	March, 2024	-	Indigenous
93	IS 6401:1986 Reviewed In : 2024	Specification for dowel pins for use in foundries (First Revision)	March, 2024	-	Indigenous
94	IS 6443:1971 Reviewed In : 2022	Specification for lifters and cleaners for use in foundries	February, 2022	-	Indigenous
95	IS 6447:1986 Reviewed In : 2024	Specification for vent wires for use in foundries (First Revision)	March, 2024	-	Indigenous
96	IS 6482:2023	Tampers and rammers for use in foundries -Specification		-	Indigenous
97	IS 6601:1987 Reviewed In : 2022	Permissible deviations in chemical composition for product analysis of steel castings (First Revision)	February, 2022	1	Indigenous
98	IS 6773:2008 Reviewed In : 2021	Sodium silicate for use in foundries - Specification (Second Revision)	March, 2021	-	Indigenous
99	IS 6788:2023	Chromite Sand for Use in Foundries i <sub>c</sub> ½ Specification ( First Revision )		-	Indigenous
100	IS 6907:1992 Reviewed In : 2024	Steel castings - Mcethods of sampling (First Revision)	March, 2024	-	Indigenous
101	IS 7297:1974	Specification for olivine sand and flour for use in steel foundries	March, 2024	-	Indigenous
102	IS 7547:1987 Reviewed In : 2024	Specification for steel nails used as internal chills in steel castings (First Revision)	March, 2024	-	Indigenous
103	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
104	IS 7899:2006 Reviewed In : 2022 ISO 4991	Alloy steel castings suitable for pressure service - Specification (Third Revision)	February, 2022	-	Not Equivalent
105	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
106	IS 8228:2024	Bauxite Sand â€” Specification (First Revision)		-	Indigenous
107	IS 8246:1976 Reviewed In : 2024 Reaffirmed but not taken up for revision	Specification for liquid resins for use in shell process in foundries	March, 2024	-	Indigenous
108	IS 8250:1988 Reviewed In : 2024	Specification for foundry parting agents (First Revision)	March, 2024	1	Indigenous
109	IS 8779:1978 Reviewed In : 2024	Specification for core gums (Sodium Silicate Based) for use in foundries	March, 2024	-	Indigenous
110	IS 8785:1978 Reviewed In : 2024 Reaffirmed but not taken up for revision	Specification for Co2 core binder system (Binder And Break - Down Agent) for use in foundries	March, 2024	-	Indigenous

111	IS 8800:2023 ISO 4990	TECHNICAL DELIVERY CONDITIONS FOR STEEL CASTINGS EXCLUDING INVESTMENT CASTINGS		-	Not Equivalent
112	IS 8939:1978 Reviewed In : 2024	Code of practice for use of oxygen in iron, steel and non - Ferrous metal foundries	March, 2024	-	Indigenous
113	IS 8988:1978 Reviewed In : 2024	Specification for bauxite powder for foundry washes	March, 2024	-	Indigenous
114	IS 9007:2023 SFSA Designation: 11-72	Zircon Sand for Use in Foundries-Specification (First Revision)		-	Not Equivalent
115	IS 9008:1978  Reaffirmed but not taken up for revision	Specification for core repairing paste for use in foundries	March, 2024	-	Indigenous
116	IS 9009:1992 Reviewed In : 2022	Foundry core oils - Specification (First Revision)	February, 2022	1	Indigenous
117	IS 9139:2023	MALLEABLE IRON SHOTS AND GRITS FOR USE IN FOUNDRIES $\frac{1}{2}$ SPECIFICATION		-	Indigenous
118	IS 9541:1987 Reviewed In : 2024 Reaffirmed but not taken up for revision	Specification for cast CTC segments (First Revision)	March, 2024	-	Indigenous
119	IS 9565:2023 ISO 4992-1&2	ACCEPTANCE STANDARDS FOR ULTRASONIC INSPECTION OF STEEL CASTINGS-SPECIFICATION		-	Not Equivalent
120	IS 9661:1980	Specification for hand shank ladles	March, 2024	-	Indigenous
121	IS 9674:1980 Reviewed In : 2024	Test methods for fluid self hardening sands	March, 2024	1	Indigenous
122	IS 9929:1981 Reviewed In : 2022	Method for determining life of graphite crucibles	March, 2022	-	Indigenous

### Standards under Development

#### Projects Approved

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

#### Preliminary Draft Standards

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

#### Drafts Standards in WC Stage

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

#### Draft Standards Completed WC Stage

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

### Finalized Draft Indian Standard

SI. No.	Doc No.	Title
1	MTD 14 (23726)	High chrome grinding media ball for cement mills - Specification

### Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
1	MTD 14 (15311)	Specification for malleable iron shots and grits for use in foundries Amendment - 2
2	MTD 14 (19521) Revision of: IS 5988:1970	Specification for Spring Dowel Sleeves Light and Heavy Pattern for use in Foundries First Revision
3	MTD 14 (20144)	High silica sand for use in foundries - Specification Second Revision Amendment - 1
4	MTD 14 (20769) Revision of: IS 9007:1978	Zircon Sand for Use in Foundries- Specification First Revision
5	MTD 14 (20853) Revision of: IS 5850:1970	STAR TRIANGULAR CUTTERS FOR USE IN FOUNDRIES SPECIFICATION First Revision
6	MTD 14 (20863) Revision of: IS 1752:1973	Coal Dust for Use in Cast Iron Foundry Specification Third Revision
7	MTD 14 (20976) Revision of: IS 6013:1970	Trowels for Use in Foundries Specification First Revision
8	MTD 14 (20978) Revision of: IS 1513:1980	WOODEN PATTERN EQUIPMENT FOR FOUNDRIES - SPECIFICATION - Third Revision
9	MTD 14 (20980) Revision of: IS 6482:1971	Tampers and rammers for use in foundries -Specification
10	MTD 14 (20981) Revision of: IS 9139:1979	MALLEABLE IRON SHOTS AND GRITS FOR USE IN FOUNDRIES SPECIFICATION
11	MTD 14 (20983) Revision of: IS 6366:1971	Specification for sprue plugs for use in foundries
12	MTD 14 (20986) Revision of: IS 4843:1968	Ferrous Casting Code for Designation First Revision
13	MTD 14 (20987) Revision of: IS 5303:1974	Zircon flour for use in foundries - Specification Second Revision
14	MTD 14 (20988) Revision of: IS 5841:1970	Fluted Core Cleaners for Use in Foundries Specification
15	MTD 14 (20993) Revision of: IS 6788:1973	Chromite Sand for Use in Foundries Specification First Revision
16	MTD 14 (20997) Revision of: IS 5824:1970	Lancets for Use in Foundries Specification First Revision
17	MTD 14 (21893) Revision of: IS 10724:1990	ACCEPTANCE STANDARDS FOR MAGNETIC PARTICLE INSPECTION OF STEEL CASTINGS - SPECIFICATION
18	MTD 14 (21894) Revision of: IS 9565:1995	ACCEPTANCE STANDARDS FOR ULTRASONIC INSPECTION OF STEEL CASTINGS-SPECIFICATION
19	MTD 14 (21905) Revision of: IS 12117:1996	NORMS FOR CLASSIFICATION OF STEEL FOUNDRIES FOR QUALITY ASSURANCE Second Revision
20	MTD 14 (21906) Revision of: IS 8800:1997	TECHNICAL DELIVERY CONDITIONS FOR STEEL CASTINGS EXCLUDING INVESTMENT CASTINGS
21	MTD 14 (21999) Revision of: IS 3339:1975	SILICA FLOUR FOR USE IN FOUNDRIES - SPECIFICATION Second Revision
22	MTD 14 (22414) Revision of: IS 11286:1995	CORROSION RESISTANT HIGH ALLOY STEEL NICKEL BASE AND COBALT BASE INVESTMENT CASTINGS FOR SEVERE APPLICATIONS SPECIFICATION
23	MTD 14 (22749) Revision of: IS 8228:1976	BAUXITE SAND - SPECIFICATION First Revision
24	MTD 14 (22884) Revision of: IS 3018:1977	Standard silica sand for raw material testing in foundries - Specification first revision
25	MTD 14 (33738)	Pitch Powder for Use in Cast Iron Foundry First Revision
26	MTD 14 (33739)	Steel castings - Methods of sampling Second Revision

27	MTD 14 (33741)	Core Repairing Paste for Use in Foundries Specification First Revision
28	MTD 14 (33742)	Hand Shank Ladles Specification First Revision

**Total Published Standards:122 Total Standards Under development:30**

### Aspect Wise Report

Product : 96  
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

SI. 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
6	IS 7295:1974 Reviewed In : 2019	Specification for chamotte

### Annexure-II :List of Indian Product Standards

SI. 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
		Specification for snap flask moulding boxes and jackets

10	IS 10518:1983 Reviewed In : 2024	
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 11286:2024	Corrosion Resistant High Alloy Steel Nickel Base and Cobalt Base Investment Castings for Severe Applications Specification Second 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 - Specifcication 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 3339:2024	Silica Flour for Use in Foundries Specification Second 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 Reviewed In : 2024	Specification for crane - Suspended ladles for foundries Part 2 cylindrical geared ladles 0 25 to 3 - 0 tonnes for iron foundries Second Revision
47	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
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 5303:2024	Zircon Flour for Use in Foundries Specification Second 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	Specification for steel cut - Wire shots for use in foundries

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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 6366:2024	Sprue Plugs for Use in Foundries Specification First Revision
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 Reviewed In : 2024	Specification for dowel pins for use in foundries First Revision
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 7297:1974	Specification for olivine sand and flour for use in steel foundries
81	IS 7547:1987 Reviewed In : 2024	Specification for steel nails used as internal chills in steel castings First Revision
82	IS 7806:1993 Reviewed In : 2022	Martensitic steel and austenitic high alloy steel castings for high temperature corrosion services - Specification Second Revision
83	IS 7899:2006 Reviewed In : 2022 ISO 4991	Alloy steel castings suitable for pressure service - Specification Third Revision
84	IS 8228:2024	Bauxite Sand Specification First Revision
85	IS 8246:1976 Reviewed In : 2024 Reaffirmed but not taken up for revision	Specification for liquid resins for use in shell process in foundries
86	IS 8250:1988 Reviewed In : 2024	Specification for foundry parting agents First Revision
87	IS 8779:1978 Reviewed In : 2024	Specification for core gums Sodium Silicate Based for use in foundries
88	IS 8785:1978 Reviewed In : 2024 Reaffirmed but not taken up for revision	Specification for Co2 core binder system Binder And Break - Down Agent for use in foundries
89	IS 8800:2023	TECHNICAL DELIVERY CONDITIONS FOR STEEL CASTINGS EXCLUDING INVESTMENT CASTINGS
90	IS 8988:1978	Specification for bauxite powder for foundry washes

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91	IS 9007:2023	Zircon Sand for Use in Foundries- Specification First Revision
92	IS 9008:1978 Reaffirmed but not taken up for revision	Specification for core repairing paste for use in foundries
93	IS 9009:1992 Reviewed In : 2022	Foundry core oils - Specification First Revision
94	IS 9139:2023	MALLEABLE IRON SHOTS AND GRITS FOR USE IN FOUNDRIES SPECIFICATION
95	IS 9541:1987 Reviewed In : 2024 Reaffirmed but not taken up for revision	Specification for cast CTC segments First Revision
96	IS 9661:1980	Specification for hand shank ladles