

BUREAU OF INDIAN STANDARDS

Program of Work

PCD 7 : Solid Mineral Fuels and Solid Biofuels

Scope: To formulate Indian Standards for a) Terminology, methods of sampling and test, codes of practice, classification by size and type, petrographic analysis and specification for solid mineral fuel b) Terminology, methods of sampling and test, codes of practice, classification and specification for raw and processed materials originating from arboriculture, agriculture, aquaculture, horticulture and forestry to be used as a source for solid bio-fuels.

Liaison: **ISO TC-238 (P): Solid biofuels ISO TC-27 (P): Coal and coke ISO TC- SC-1 (P): Coal preparation: Terminology and performance ISO TC- SC-3 (P): Coke ISO TC- SC-4 (P): Sampling ISO TC- SC-5 (P): Methods of analysis ISO TC-238 (P): Solid biofuels ISO TC-27 (P): Coal and coke ISO TC-27 SC-1 (P): Coal preparation: Terminology and performance ISO TC-27 SC-3 (P): Coke ISO TC-27 SC-4 (P): Sampling ISO TC-27 SC-5 (P): Methods of analysis**

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 12770:2025	Coal for Cement Manufacture - Specification (First Revision)		-	Indigenous
2	IS 12891:2021 ISO 540 : 2008	Determination of fusibility of ash from coal, coke and lignite (First Revision)		-	Not Equivalent
3	IS 1350 (Part 4/Sec 1):2024	Coal and coke - Methods of test : Part 4 ultimate analysis, Section 1 determination of carbon and hydrogen (Second Revision)		-	Indigenous
4	IS 1350 (Part 4/Sec 2):2025	Coal and Coke - Methods of Test Part 4 Ultimate Analysis Section 2 Determination of Nitrogen (Second Revision)		-	Indigenous
5	IS 1350 (Part 5):2017	Methods of test for coal and coke : Part 5 determination of special impurities (carbon present as carbonate, chlorine and phosphorus) (Second Revision)	May, 2021	-	Indigenous
6	IS 1350 (Part 1):2025	Coal and Coke - Methods of Test Part 1 Proximate Analysis (Third Revision)		-	Indigenous
7	IS 1350 (Part 2):2022 ISO 1928 : 2020 ISO 1928 : 2020	Method of test for coal and coke : Part 2 determination of gross calorific value (Third Revision)		-	Identical under dual numbering
8	IS 1350 (Part 3):2022 ISO 334 : 2020	Methods of test for coal and coke : Part 3 determination of total sulphur - Eschka method (Second		-	Identical under dual numbering

	ISO 334 : 2020	Revision)			
9	IS 1353 (Part 3):2022 ISO 15585 : 2019 ISO 15585 : 2019	Method of test for coal carbonization : Part 3 determination of caking index (Second Revision)		-	Identical under dual numbering
10	IS 1353 (Part 1):2018 ISO 501: 2012	Method of test for coal carbonization : Part 1 determination of the crucible swelling number (Second Revision)	September, 2023	-	Identical under dual numbering
11	IS 1353 (Part 2):2018 ISO 502: 2015	Method of test for coal carbonization : Part 2 determination of caking power - Gray - King coke test (Second Revision)	September, 2023	-	Identical under dual numbering
12	IS 1354:2024	Coke - Methods of test - Special tests (Third Revision)		-	Indigenous
13	IS 1355:2025	Coal and Coke - Determination of chemical composition of ash (Second Revision)		-	Indigenous
14	IS 13758 (Part 1):1993	Coal tar pitch - Methods of test : Part 1 determination of matter insoluble in quinoline	July, 2025	-	Indigenous
15	IS 13758 (Part 2):1993	Coal tar pitch - Methods of test : Part 2 determination of coking value	July, 2025	-	Indigenous
16	IS 13810:2023	Code of practice for float and sink analysis of coal (First Revision)		-	Indigenous
17	IS 15438:2004 ISO 157 ISO 157:1996	Coal - Determination of forms of sulphur	May, 2020	-	Identical under dual numbering
18	IS 15441:2004 ISO 625 ISO 625:1996	Solid mineral fuels - Determination of carbon and hydrogen - Liebig method	May, 2020	-	Identical under dual numbering
19	IS 15807 (Part 1):2008	Methods of petrographic analysis of lignite : Part 1 definition of terms relating to petrographic analysis of lignite	January, 2020	-	Indigenous
20	IS 16143 (Part 6):2021 ISO 13909-6 : 2016 ISO 13909-6 : 2016	Hard coal and coke - Mechanical sampling : Part 6 coke - preparation of test samples (First Revision)		-	Identical under dual numbering
21	IS 16143 (Part 1):2021 ISO 13909 -1:2016 ISO 13909 -1:2016	Hard coal and coke - Mechanical sampling : Part 1 general introduction (First Revision)		-	Identical under dual numbering
22	IS 16143 (Part 4):2021 ISO 13909-4 : 2016 ISO 13909-4 : 2016	Hard coal and coke - Mechanical sampling : Part 4 coal - preparation of test samples (First Revision)		-	Identical under dual numbering
23	IS 16143 (Part 2):2021 ISO 13909-2:2016 ISO 13909-2:2016	Hard coal and coke - Mechanical sampling : Part 2 coal - Sampling from moving streams (First Revision)		-	Identical under dual numbering
24	IS 16143 (Part 3):2021 ISO 13909-3:2016 ISO 13909-3:2016	Hard coal and coke - Mechanical sampling : Part 3 coal - Sampling from stationary lots (First Revision)		-	Identical under dual numbering
25	IS 16143 (Part 5):2021	Hard coal and coke - Mechanical sampling : Part 5 coke - Sampling		-	Identical under dual numbering

	ISO 13909-5 : 2016 ISO 13909-5 : 2016	from moving streams (First Revision)			
26	IS 16143 (Part 7):2021 ISO 13909-7 : 2016 ISO 13909-7 : 2016	Hard coal and coke - Mechanical sampling : Part 7 methods for determining the precision of sampling, sample preparation and testing (First Revision)		-	Identical under dual numbering
27	IS 16143 (Part 8):2021 ISO 13909-8 : 2016 ISO 13909-8 : 2016	Hard coal and coke - Mechanical sampling : Part 8 methods of testing for bias (First Revision)		-	Identical under dual numbering
28	IS 16196:2015 ISO 609 : 1996 ISO 609 : 1996	Solid mineral fuels - Determination of carbon and hydrogen - High temperature combustion method	May, 2020	-	Identical under dual numbering
29	IS 16609:2018 ISO 19579 : 2012 ISO 19579:2012	Solid mineral fuels - Determination of sulphur by IR spectrometry	September, 2023	1	Identical under dual numbering
30	IS 16610:2022 ISO 10329 : 2017 ISO 10329 : 2017	Coal - Determination of plastic properties - Constant-torque gieseler plastometer method (First Revision)		-	Identical under dual numbering
31	IS 16611:2022 ISO 20904 : 2020 ISO 20904 : 2020	Hard coal - Sampling of slurries (First Revision)		-	Identical under dual numbering
32	IS 16612:2018 ISO 29541 : 2010 ISO 29541 : 2010	Solid mineral fuels - Determination of total carbon, hydrogen and nitrogen content - Instrumental method	September, 2023	-	Identical under dual numbering
33	IS 16616:2022 ISO 349 : 2020 ISO 349 : 2020	Hard coal - Audibert-arnu dilatometer test (First Revision)		-	Identical under dual numbering
34	IS 16617:2018 ISO 9931 : 1991 ISO 9931:1991	Coal - Sampling of pulverized coal conveyed by gases in direct fired coal systems	September, 2023	-	Identical under dual numbering
35	IS 16618:2017 ISO 23380 : 2013	Determination of ten trace elements in coal, coke, lignite and fly ash by flame atomic absorption spectroscopic method	May, 2021	-	Not Equivalent
36	IS 16721 (Part 2):2018 ISO 11723: 2004 ISO 23380 : 2008	Method of test for coal : Part 2 determination of arsenic and selenium - Eschka's mixture and hydride generation/atomic absorption spectrometry	September, 2023	-	Not Equivalent
37	IS 16721 (Part 1):2018 ISO 15237 : 2003,ISO 23380 : 2008	Method of test for coal : Part 1 determination of total mercury content by atomic absorption spectrometry	September, 2023	-	Not Equivalent
38	IS 17073:2019 ASTM D4326-13	Determination of major elements in coal and coke ash by x-ray fluorescence spectroscopic method	September, 2023	-	Not Equivalent
39	IS 17378:2021	Test method for determination of major elements in ash from coal and coke by flame atomic absorption spectroscopic method		-	Indigenous
40	IS 17642:2021 ISO 17828 : 2015 ISO 17828 : 2015	Solid biofuels - Determination of bulk density		-	Identical under dual numbering

41	IS 17643:2021 ISO 17829 : 2015 ISO 17829 : 2015	Solid biofuels - Determination of length and diameter of pellets		-	Identical under dual numbering
42	IS 17653:2021 ISO 18122 : 2015 ISO 18122 : 2015	Solid biofuels - Determination of ash content		-	Identical under dual numbering
43	IS 17654:2021 ISO 18125 : 2017 ISO 18125 : 2017	Solid biofuels - Determination of calorific value		-	Identical under dual numbering
44	IS 17655 (Part 1):2025 ISO 18134-1 : 2022 ISO 18134-1 : 2022	Solid Biofuels Determination of Moisture Content Part 1 Reference Method (First Revision)		-	Identical under dual numbering
45	IS 17655 (Part 3):2025 ISO 18134-3 : 2023 ISO 18134-3 : 2023	Solid Biofuels - Determination of Moisture Content Part 3 Moisture in General Analysis Sample (First Revision)		-	Identical under dual numbering
46	IS 17655 (Part 2):2021 ISO 18134-2 : 2017 ISO 18134-2 : 2017	Solid biofuels - Determination of moisture content - Oven dry method : Part 2 total moisture - Simplified method		-	Identical under dual numbering
47	IS 17656:2021 ISO 18846 : 2016 ISO 18846 : 2016	Solid biofuels - Determination of fines content in samples of pellets		-	Identical under dual numbering
48	IS 17820:2022 ISO 622 : 2016 ISO 622 : 2016	Solid mineral fuels - Determination of phosphorus content - Reduced molybdophosphate photometric method		-	Identical under dual numbering
49	IS 17832:2022 ISO 16948 : 2015 ISO 16948 : 2015	Solid biofuels - Determination of total content of carbon, hydrogen and nitrogen		-	Identical under dual numbering
50	IS 17833:2022 ISO 16994 : 2016 ISO 16994 : 2016	Solid biofuels - Determination of total content of sulfur and chlorine		-	Identical under dual numbering
51	IS 17834:2022 ISO 16995 : 2015 ISO 16995 : 2015	Solid biofuels - Determination of the water soluble chloride, sodium and potassium content		-	Identical under dual numbering
52	IS 17844:2025 ISO 18123 : 2023 ISO 18123 : 2023	Solid Biofuels - Determination of Volatile Matter (First Revision)		-	Identical under dual numbering
53	IS 18557 (Part 1):2024 ISO 17831-1 ISO 17831-1 : 2015	Solid biofuels - Determination of mechanical durability of pellets and briquettes : Part 1 pellets		-	Identical under dual numbering
54	IS 18557 (Part 2):2024 ISO 17831-2 ISO 17831-2 : 2015	Solid biofuels - Determination of mechanical durability of pellets and briquettes : Part 2 briquettes		-	Identical under dual numbering
55	IS 18640:2024 ISO 14780	Solid Biofuels - Sample Preparation		-	Not Equivalent
56	IS 18721:2024 ISO 16559 : 2014	Solid Biofuels $i_c^{1/2}$ Vocabulary		-	Not Equivalent
57	IS 18724:2024 ISO 17225-6 : 2021	Solid biofuels - Fuel specifications and classes - Pellets from agro and herbaceous residues		-	Not Equivalent
58	IS 18725:2024 ISO 17225-7	Solid biofuels - Fuel specifications and classes - Briquettes from agro and herbaceous residues		-	Not Equivalent

59	IS 19139:2025 ISO 16967 : 2015 ISO 16967 : 2015	Solid Biofuels $i_{\frac{1}{2}}$ Determination of Major Elements $i_{\frac{1}{2}}$ Al, Ca, Fe, Mg, P, K, Si, Na and Ti		-	Identical under dual numbering
60	IS 19158:2025 ISO 16968 : 2015 ISO 16968 : 2015	SOLID BIOFUELS - DETERMINATION OF MINOR ELEMENTS		-	Identical under dual numbering
61	19410:2026	Solid Biofuels — Sampling		-	
62	IS 212:2021	Crude coal tar for general use (Third Revision)		-	Indigenous
63	IS 216:2006	Coal tar pitch - Specification (Second Revision)	April, 2021	-	Indigenous
64	IS 218:1983	Specification for creosote oil for use as wood preservatives (Second Revision)	September, 2023	1	Indigenous
65	IS 3746:2018 ISO 561:1986	Graphical symbols for coal preparation plant (Second Revision)	September, 2023	-	Not Equivalent
66	IS 3810 (Part 1):2002 ISO 1213-1:1993	Solid mineral fuels - Vocabulary : Part 1 terms relating to coal preparation (Second Revision)	May, 2020	-	Not Equivalent
67	IS 3810 (Part 2):2003 ISO 1213-2	Solid mineral fuels - Vocabulary : Part 2 terms relating to sampling, testing and analysis (First Revision)	May, 2020	-	Indigenous
68	IS 3810 (Part 3):2023	Glossary of terms relating to solid mineral fuels : Part 3 - Coke		-	Indigenous
69	IS 4023:2022 ISO 18894 : 2018 ISO 18894 : 2018	Methods for the determination of coke reactivity index (CRI) and coke strength after reaction (CSR) (Second Revision)		-	Identical under dual numbering
70	IS 4286:2024	Domestic Coke - Specification (Second Revision)		-	Indigenous
71	IS 4311:2024 ISO 602 : 2015 ISO 602 : 2015	Coal - Determination of mineral matter (First Revision)		-	Identical under dual numbering
72	IS 436 (Part 1/Sec 1):2024	Methods for Sampling of Coal and Coke Part 1 Sampling of Coal Section 1 Manual Sampling (Second Revision)		-	Indigenous
73	IS 437:2020	Size analysis of coal and coke for marketing (Fourth Revision)	-	-	Indigenous
74	IS 439:2020	Industrial Coke - Specification (Fourth Revision)	-	-	Indigenous
75	IS 4433:1979	Method for determination of hardgrove grindability index of coal (First Revision)	May, 2020	-	Indigenous
76	IS 5062 (Part 1):1969	Methods of test for brown coals and lignites : Part 1 determination of moisture content by the direct volumetric method	May, 2020	-	Indigenous
77	IS 5062 (Part 2):1969	Methods of test for brown coals and lignites : Part 2 determination of ash	May, 2020	-	Indigenous
78	IS 5062 (Part	Methods of test for brown coals	September, 2023	-	Identical under dual

	5):2018 ISO 1017 : 2006 ISO 1017 : 2006	and lignites : Part 5 determination of acetone-soluble material (Resinous Substance) in the benzene-soluble extract (Second Revision)			numbering
79	IS 5062 (Part 4):2025 ISO 975:2021 ISO 975:2021	Brown Coal and Lignite - Methods of Test Part 4 Determination of Yield of Benzene-Soluble Extract - Semi- Automatic Method (Third Revision)		-	Identical under dual numbering
80	IS 5062 (Part 6):2025 ISO 5072 : 2021 ISO 5072 : 2021	Brown Coal and Lignite - Methods of Test: Part 6 Determination of True Relative Density and Apparent Relative Density (First Revision)		-	Identical under dual numbering
81	IS 5062 (Part 8/Sec 1):2018 ISO 5068-1: 2007	Methods of test for brown coals and lignites : Part 8 determination of moisture content, Section 1 indirect gravimetric method for total moisture	September, 2023	-	Identical under dual numbering
82	IS 5062 (Part 8/Sec 2):2018 ISO 5068-2 : 2007 ISO 5068-2: 2007	Methods of test for brown coals and lignites : Part 8 determination of moisture content, Section 2 indirect gravimetric method for moisture in the analysis sample	September, 2023	-	Identical under dual numbering
83	IS 5062 (Part 7):2024 ISO 5073 : 2021 ISO 5073 : 2021	Brown coals and lignites - Methods of test : Part 7 determination of humic acids (First Revision)		-	Identical under dual numbering
84	IS 5062 (Part 3):2022 ISO 647 : 2017 ISO 647 : 2017	Methods of test for brown coals and lignite : Part 3 determination of the yields of tar water gas and coke residue by low temperature distillation (Second Revision)		-	Identical under dual numbering
85	IS 5209:2002 ISO 924 ISO 924:1989	Coal preparation plant - Principles and conventions for flowsheets (First Revision)	May, 2020	-	Identical under dual numbering
86	IS 5451:2001 ISO 1543	Glossary of terms relating to coal carbonization products (First Revision)	September, 2023	-	Not Equivalent
87	IS 6345:1996 ISO 7936	Methods of sampling of coal for float and sink analysis (First Revision)	September, 2023	-	Not Equivalent
88	IS 7190 (Part 2):2022 ISO 1013 : 2020 ISO 1013 : 2020	Coke - Methods of test : Part 2 determination of bulk density in a large container (Second Revision)		-	Identical under dual numbering
89	IS 7190 (Part 1):2024 ISO 567 : 2021 ISO 567 : 2021	Coke - Methods of test : Part 1 determination of bulk density in a small container (Second Revision)		-	Identical under dual numbering
90	IS 770:2013	Classification and codification of indian coals, lignites and semi-anthracites (Third Revision)	September, 2023	-	Indigenous
91	IS 7929:1975	Methods for determination of electrical resistivity of chemical coke	May, 2020	-	Indigenous
92	IS 9127 (Part 2):2014	Methods for petrographic analysis of coals : Part 2 methods of	January, 2020	-	Identical under dual numbering

	ISO 7404-2 : 2009 ISO 7404-2 : 2009	preparing coal samples (Second Revision)			
93	IS 9127 (Part 3):2002 ISO 7404-3 ISO 7404-3:1994	Methods for the petrographic analysis of bituminous coal and anthracite : Part 3 method of determining maceral group composition (First Revision)	May, 2020	-	Identical under dual numbering
94	IS 9127 (Part 5):2004 ISO 7404-5 ISO 7404-5:1994	Methods for the petrographic analysis of bituminous coal and anthracite : Part 5 method of determining microscopically the reflectance of vitrinite (First Revision)	May, 2020	-	Identical under dual numbering
95	IS 9127 (Part 4):2022 ISO 7404-4 : 2017 ISO 7404-4 : 2017	Methods for petrographic analysis of coal : Part 4 method of determining microlithotype carbominerite and minerite composition (First Revision)		-	Identical under dual numbering
96	IS 9127 (Part 1):2022 ISO 7404-1 : 2016 ISO 7404-1 : 2016	Methods of petrographic analysis of coal : Part 1 definition of terms relating to petrographic analysis of coal (Second Revision)		-	Identical under dual numbering
97	IS 9912:1981 Decision taken to Reaffirm and Archive	Coal tar based coating material and primers for protecting iron or steel pipelines - Specification (First Revision)	July, 2025	-	Indigenous
98	IS 9949:2025	Abrasive Properties of Coal and Associated Minerals - Methods of test (Second Revision)		-	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
1	PCD 7 (28848)	SOLID BIOFUELS SAFE HANDLING AND STORAGE

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	PCD 7 (25095) Revision of:	Solid Biofuels - Determination of Ash Content ISO 18122 2022 MOD First Revision

	IS 17653:2021	
2	PCD 7 (28265) Revision of: IS 4433:1979	Coal - Determination of Hardgrove Grindability Index Second Revision

Finalized Draft Indian Standards under Print

Sl. No.	Doc No.	Title
1	PCD 7 (02837)	Hard Coal - Audibert-Arnu Dilatometer test
2	PCD 7 (02838)	Coal - Sampling of pulverized coal conveyed by gases in direct fired coal
3	PCD 7 (02839)	Coal - Determination of plastic properties - Constant-torque Gieseler plastomer method
4	PCD 7 (02840)	Solid mineral fuels - Determination of sulphur by IR spectrometry
5	PCD 7 (02841)	Hard coal - Sampling slurries
6	PCD 7 (02842)	Solid mineral fuels - Determination of total carbon hydrden and nitrogen content - Instrumental method
7	PCD 7 (02764)	Methods of test for coal -- determination of total mercury content by AAS
8	PCD 7 (02765)	Methods of test for coal -- Determination of arsenic and selenium -- Eschka mixture and hydride generation atomic absorption method
9	PCD 7 (02585)	Determination of ten trace elements in coal coke and fly ash by flame atomic absorption spectroscopic method
10	PCD 7 (02770) Revision of: IS 1350:2017	Methods of Test for Coal and Coke - Part V Special Impurities
11	PCD 7 (02771) Revision of: IS 3746:2018	Graphical Symbols for Coal Preparation Plant
12	PCD 7 (02772)	SOLID MINERAL FUELS - DETERMINATION OF CARBON AND HYDROGEN - HIGH TEMPERATURE COMBUSTION METHOD
13	PCD 7 (02580)	Methods for Petrographic Analysis of Coals Part 2 Methods of Preparing Coal Samples
14	PCD 7 (02604)	Method of test for brown coals and lignites Part 7 Determination of humic acids
15	PCD 7 (02703)	Methods of test for brown coals and lignites Part 6 Determination of true relative density and apparent relative density
16	PCD 7 (02735)	Methods of Test for Coal and Coke - Part II Determination of Calorific Value
17	PCD 7 (10276) Revision of: IS 1353:2018	Hard coal Determination of the crucible swelling number Second Revision
18	PCD 7 (10277) Revision of: IS 1353:2018	Coal Determination of caking power- Gray-King coke test
19	PCD 7 (10280) Revision of: IS 5062:2018	METHODS OF TEST FOR BROWN COALS AND LIGNITES PART 4 DETERMINATION OF YIELD OF BENZENE-SOLUBLE EXTRACT- SEMI-AUTOMATIC METHOD
20	PCD 7 (10281)	STANDARD TEST METHOD FOR MAJOR ELEMENTS IN COAL AND COKE ASH BY X-RAY FLUORESCENCE SPECTROSCOPY
21	PCD 7 (10283) IS 5062:2018	Method of Test for Brown coals and Lignites- Determination of moisture content- Part 1 Indirect gravimetric method for total moisture
22	PCD 7 (10284)	Methods of Test for Brown coals and Lignites- Determination of moisture content- Part 2 Indirect gravimetric method for moisture in the analysis sample
23	PCD 7 (12260)	Test method for determination of major elements in coal and coke ash by flame atomic absorption spectroscopic method
24	PCD 7 (13197) Revision of: IS 437:2020	Size Analysis of Coal and Coke for Marketing Fourth Revision of IS 437
25	PCD 7 (13246) Revision of: IS 12891:1990	METHOD OF DETERMINATION OF FUSIBILITY OF ASHFROM COAL COKE AND LIGNITE First Revision of IS 12891
26	PCD 7 (13297) Revision of: IS 439:2020	INDUSTRIAL COKE SPECIFICATION Fourth Revision of IS 439
27	PCD 7 (13684) Revision of: IS 212:1983	CRUDE COAL TAR FOR GENERAL USE Third Revision of IS 212
28	PCD 7 (13714) Revision of: IS 16143:2014	HARD COAL AND COKE MECHANICAL SAMPLING PART 1 GENERAL INTRODUCTION First Revision of IS 16143 Part 1
29	PCD 7 (13920) Revision of: IS 16143:2014	Hard Coal and Coke - Mechanical Sampling Part 2 Coal Sampling from Moving Streams
30	PCD 7 (13921) Revision of: IS 16143:2014	Hard Coal and Coke - Mechanical Sampling Part 3 Coal Sampling from Stationary Lots First Revision of IS 16143 Part 3
31	PCD 7 (13922) Revision of:	Hard Coal and Coke - Mechanical Sampling Part 4 Coal Sampling from Stationary Lots First

	IS 16143:2014	Revision of IS 16 143 Part 4
32	PCD 7 (13923) Revision of: IS 16143:2014	Hard Coal and Coke - Mechanical Sampling Part 5 Coke Sampling from Moving Streams First Revision of IS 16 143 Part 5
33	PCD 7 (13924) Revision of: IS 16143:2014	Hard Coal and Coke - Mechanical Sampling Part 6 Coke Preparation of Test Samples
34	PCD 7 (13925) Revision of: IS 16143:2014	Hard Coal and Coke Mechanical Sampling Part 7 Methods for determining the precision of sampling sample preparation and testing
35	PCD 7 (13926) Revision of: IS 16143:2014	Hard Coal and Coke Mechanical Sampling Part 8 Methods of testing for bias
36	PCD 7 (15581)	Solid biofuels Determination of bulk density
37	PCD 7 (15582)	Solid Biofuels Determination of length and diameter of pellets
38	PCD 7 (15583)	Solid biofuels Determination of ash content
39	PCD 7 (15584)	Solid biofuels Determination of calorific value
40	PCD 7 (15585)	Solid biofuels Determination of moisture content Oven dry method Part 1 Total moisture Reference method
41	PCD 7 (15586)	Solid biofuels Determination of moisture content Oven dry method Part 2 Total moisture Simplified method
42	PCD 7 (15587)	Solid biofuels Determination of moisture content Oven dry method Part 3 Moisture in general analysis sample
43	PCD 7 (15588)	Solid biofuels Determination of fines content in samples of pellets
44	PCD 7 (16632) Revision of: IS 3810:1977	Glossary of terms relating to Solid Mineral Fuels Part 3- Coke
45	PCD 7 (17620) Revision of: IS 1350:2017	Method of test for Coal and Coke Part 2 Determination of gross calorific value Third Revision
46	PCD 7 (17631) Revision of: IS 5062:2017	METHODS OF TEST FOR BROWN COALS AND LIGNITES Part 3 Determination of the yields of tar water gas and coke residue by low temperature distillation Second Revision
47	PCD 7 (17632) Revision of: IS 9127:1992	METHODS OF PETROGRAPHIC ANALYSIS OF COAL PART 1 DEFINITION OF TERMS RELATING TO PETROGRAPHIC ANALYSIS OF COAL Second Revision
48	PCD 7 (17634) Revision of: IS 9127:2001	METHODS FOR PETROGRAPHIC ANALYSIS OF COAL Part 4 Method of determining microlithotype carbominerite and minerite composition First Revision
49	PCD 7 (17762) Revision of: IS 7190:2004	Coke - Methods of test Part 2 Determination of bulk density in a large container Second Revision
50	PCD 7 (17763) Revision of: IS 16611:2018	Hard coal - Sampling of slurries First Revision
51	PCD 7 (17764) Revision of: IS 16616:2018	Hard Coal Audibert-Arnu Dilatometer Test First Revision
52	PCD 7 (17765) Revision of: IS 13810:1993	Code of practice for float and sink analysis of coal First Revision
53	PCD 7 (17866) Revision of: IS 16610:2017	Coal Determination of Plastic Properties Constant-Torque Gieseler Plastometer Method First Revision
54	PCD 7 (17867) Revision of: IS 4023:1991	METHODS FOR THE DETERMINATION OF COKE REACTIVITY INDEX CRI AND COKE STRENGTH AFTER REACTION CSR Second Revision
55	PCD 7 (17868)	METHOD OF TEST FOR COAL CARBONIZATION PART 3 DETERMINATION OF CAKING INDEX
56	PCD 7 (17869) Revision of: IS 1350:1969	METHODS OF TEST FOR COAL AND COKE - DETERMINATION OF TOTAL SULPHUR ESCHKA METHOD Second Revision
57	PCD 7 (17899)	Solid mineral fuels Determination of phosphorus content Reduced molybdophosphate photometric method
58	PCD 7 (17900)	Solid biofuels Determination of total content of carbon hydrogen and nitrogen
59	PCD 7 (17901)	Solid biofuels Determination of total content of sulfur and chlorine
60	PCD 7 (17902)	Solid biofuels Determination of the water soluble chloride sodium and potassium content
61	PCD 7 (17903)	Solid biofuels Determination of the content of volatile matter
62	PCD 7 (19505)	Solid Biofuels Vocabulary
63	PCD 7 (19732) Revision of: IS 436:1964	METHODS FOR SAMPLING OF COAL AND COKE PART 1 SAMPLING OF COAL SECTION 1 MANUAL SAMPLING Second Revision
64	PCD 7 (20026) Revision of: IS 7190:2004	Coke - Methods of test Part 1 Determination of bulk density in a small container Second Revision
65	PCD 7 (20027)	SOLID BIOFUELS - FUEL SPECIFICATIONS AND CLASSES - PELLETS FROM AGRO AND HERBACEOUS RESIDUES

66	PCD 7 (20028)	SOLID BIOFUELS - FUEL SPECIFICATION AND CLASSES - BRIQUETTES FROM AGRO AND HERBACEOUS RESIDUES
67	PCD 7 (20046) Revision of: IS 5062:2017	Methods of Test for Brown Coals and lignites Part 7 Determination of Humic Acids First Revision
68	PCD 7 (20052)	Solid Biofuels - Determination Of Mechanical Durability Of Pellets and Briquettes Part 1 Pellets
69	PCD 7 (20053)	Solid Biofuels - Determination of Mechanical Durability of Pellets and Briquettes Part 2 Briquettes
70	PCD 7 (20276)	Solid Biofuels - Sample Preparation
71	PCD 7 (20413) Revision of: IS 4286:1976	Domestic Coke Specification Second Revision
72	PCD 7 (20414) Revision of: IS 1354:1992	Methods of Test for Coke Special Tests Third Revision
73	PCD 7 (21287) Revision of: IS 4311:1967	Coal - Determination of mineral matter First Revision
74	PCD 7 (21798) Revision of: IS 1350:1974	Coal and Coke - Methods of Test Part 4 Ultimate Analysis Section 1 Determination of Carbon and Hydrogen Second Revision
75	PCD 7 (24223) Revision of: IS 1350:1984	Coal and Coke - Methods of Test Part 1 Proximate Analysis Third Revision
76	PCD 7 (24232) Revision of: IS 12770:1989	Coal for Cement Manufacture - Specification First Revision
77	PCD 7 (25093) Revision of: IS 5062:2018	Brown Coal and Lignite Methods of Test Part 4 Determination of Yield of Benzene-Soluble Extract Semi- Automatic Method Third Revision
78	PCD 7 (25094) Revision of: IS 5062:2017	Brown Coal and Lignite Methods of Test Part 6 Determination of True Relative Density and Apparent Relative Density First Revision
79	PCD 7 (25096) Revision of: IS 17655:2021	Solid Biofuels - Determination of Moisture Content Part 3 Moisture in General Analysis Sample First Revision
80	PCD 7 (25097) Revision of: IS 17844:2022	Solid Biofuels Determination of Volatile Matter First Revision
81	PCD 7 (25098) Revision of: IS 17655:2021	Solid Biofuels Determination of Moisture Content Part 1 Reference Method First Revision
82	PCD 7 (25211)	Solid Biofuels Determination of Major Elements Al Ca Fe Mg P K Si Na and Ti
83	PCD 7 (25212)	SOLID BIOFUELS - DETERMINATION OF MINOR ELEMENTS
84	PCD 7 (25218) Revision of: IS 9949:1986	Abrasive Properties of Coal and Associated Minerals - Methods of test Second Revision
85	PCD 7 (25223)	Solid Biofuels Sampling
86	PCD 7 (25597) Revision of: IS 1350:1975	Coal and Coke - Methods of Test Part 4 Ultimate Analysis Section 2 Determination of Nitrogen Second Revision
87	PCD 7 (25615) Revision of: IS 1355:1984	Coal and Coke - Determination of chemical composition of ash Second Revision
88	PCD 7 (27089)	Solid mineral fuels - Determination of sulphur by IR spectrometry Amendment - 1
89	PCD 7 (28817) Revision of: IS 5209:2002	COAL PREPARATION PLANT PRINCIPLES AND CONVENTIONS FOR FLOWSHEETS Second Revision
90	PCD 7 (28823) Revision of: IS 5062:2018	BROWN COALS AND LIGNITES METHODS OF TEST PART 8 DETERMINATION OF MOISTURE CONTENT SECTION 2 INDIRECT GRAVIMETRIC METHOD FOR MOISTURE IN THE ANALYSIS SAMPLE First Revision
91	PCD 7 (28862) Revision of: IS 17656:2021	Solid Biofuels - Determination of Fines Content In Pellets First Revision
92	PCD 7 (28866) Revision of: IS 16610:2022	Hard Coal - Determination of Plastic Properties Constant-Torque Gieseler Plastometer Method Second Revision
93	PCD 7 (28871) Revision of: IS 17655:2021	Solid Biofuels Determination of Moisture Content Part 2 Simplified Method First Revision
94	PCD 7 (33235)	Methods of test for coal and coke Part 5 determination of special impurities carbon present as carbonate chlorine and phosphorus Second Revision
95	PCD 7 (33316)	Methods of test for brown coals and lignites Part 2 determination of ash First Revision

Total Published Standards:98 Total Standards Under development:98

Aspect Wise Report

Product : 9
Code of Practices : 1
Methods of Test : 63
Terminology : 7
Dimensions : 1
System Standard : 0
Safety Standard : 0
Others : 16
Service Specification : 0
Process Specification : 0
Unclassified : 1

Annexure-I :List of Indian Standards Withdrawn/Superseded

Sl. No.	IS No. & Year	Title
1	IS 1272:1958 Reviewed In : 2005	Coal Tar Solvent Naphtha Light Grade 2
2	IS 1351:1959	Methods of Test for Coal Coke Ultimates Analysis
3	IS 1352:1959	Methods of Test for Coal and Coke Ultimate Analysis
4	IS 1421:1964	Cellulose Nitrate Coated Fabrics
5	IS 15439:2000 Reviewed In : 2005	Hard Coal - Determination of Oxygen Content
6	IS 15440:2004	Coal - Sampling of Pulverized Coal Conveyed by Gases in Direct Fired Coal Systems
7	IS 213:1968	Coal-based naphtha superseding IS 214 AND IS 1272
8	IS 214:1958	Coal Tar Solvent Naphtha Heavy
9	IS 215:1995 Reviewed In : 2016	Road Tar
10	IS 358:1964	Benzole Industrial revised
11	IS 436 (Part 1/Sec 2):1976 Reviewed In : 2010	Methods for sampling of coal and coke Part I Sampling of Coal Section 2 Mechanical sampling
12	IS 436 (Part 2):1965 Reviewed In : 2010	Methods of sampling of coal and coke Part 2 Sampling of coke
13	IS 4836:1968	Foundary Coke
14	IS 5018:1968	Classification of hard coals by type
15	IS 535:1955	Benzene Pure Nitration Grade
16	IS 5615:1970	Gas Coke
17	IS 6372:1971	Coke For Ferro-alloys
18	IS 6407:1971	Rubber Aprons For Hospital Use
19	IS 7189:1974 Reviewed In : 2005	Blast Furnace Coke
20	IS 7190:1974 Reviewed In : 2010	Methods of determination of bulk density of coke
21	IS 7221:1974	Methods of determining the moisture holding capacity in hard coals

Annexure-II :List of Indian Product Standards

Sl. No.	IS No. & Year	Title
1	IS 12770:2025	Coal for Cement Manufacture - Specification First Revision
2	IS 18724:2024	Solid biofuels - Fuel specifications and classes - Pellets from agro and herbaceous residues
3	IS 18725:2024	Solid biofuels - Fuel specifications and classes - Briquettes from agro and herbaceous residues
4	IS 212:2021	Crude coal tar for general use Third Revision
	ISO 5518:2007	
5	IS 216:2006	Coal tar pitch - Specification Second Revision
6	IS 218:1983	Specification for creosote oil for use as wood preservatives Second Revision
7	IS 4286:2024	Domestic Coke - Specification Second Revision
8	IS 439:2020	Industrial Coke - Specification Fourth Revision
9	IS 9912:1981	Coal tar based coating material and primers for protecting iron or steel pipelines - Specification First Revision
	Decision taken to Reaffirm and Archive	