

Indian Standard

Classification and Codification of Indian Coals, Lignites and Semi-Anthracites (Third Revision)

1 SCOPE

1.1 The standard specifies the classification and codification by type and quality of Indian coals including lignites and semi-anthracites. It also deals with the established correlations between the chosen parameters and other coal properties (*see* Annex A)

1.2 This classification is not intended to be used for commercial purposes because the assessment and selection of coals for a specific purpose require detailed information that enables the likely performance of a coal in a particular application to be anticipated.

1.3 This standard does not cover the aspects of 'Size analysis of coal and coke for marketing' which is covered in IS 437 : 1979 'Size analysis of coal and coke for marketing (*third revision*)'.

1.4 Sulphur, phosphorus, chlorine, mercury and arsenic content in coal are important for taking necessary precautions in regard to the up keeping of the industrial appliances, maintaining the quality of manufactured materials (using the coal/coke) and/or for controlling the atmospheric pollution. These aspects are not covered in this standard.

1.5 Grindability of coal (*see* IS 4433 : 1979 'Methods for determination of hardgrove grindability index of coal') and information on the composition and fusion characteristics of the coal ash are important in the formulation of scheme for rational utilization of coals; but these aspects are not covered in this standard.

2 REFERENCES

The standards listed below contain provisions which, through reference in text, constitute provisions of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below.

<i>IS No.</i>	<i>Title</i>
(Part 2):1970	Determination of calorific value (<i>first revision</i>)
1353:1993	Methods of test for coal carbonization — Caking index, swelling number and (LT) Gray-King assay (<i>first revision</i>)
3810 (Part 1):2002	Solid mineral fuels — Vocabulary: Terms relating to coal preparation (<i>second revision</i>)
(Part 2):2003	Terms relating to sampling, testing and analysis (<i>first revision</i>)
9127 (Part1): 1992	Methods of petrographic analysis of coal: Part 1 Definition of terms relating to petrographic analysis of coal (<i>first revision</i>)
9127 (Part 5): 2004/ISO 7404-5:1994	Methods for the petrographic analysis of bituminous coal and anthracite: Part5 Method of determining microscopically the reflectance of vitrinite (<i>first revision</i>)
1350 (Part 1):1984	Methods of test for coal and coke: Proximate analysis (<i>second revision</i>)