

BUREAU OF INDIAN STANDARDS

DRAFT FOR COMMENTS ONLY

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भारतीय मानक मसौदा

हार्ड कोयला — प्लास्टिक के गुणों का निर्धारण —

निरन्तर-टॉर्क गिसेलर प्लास्टोमीटर विधि

(आई एस 16610 का दूसरा पुनरीक्षण)

Draft Indian Standard

**Hard Coal — Determination Of Plastic Properties —
Constant-Torque Gieseler Plastometer Method**

(Second Revision of IS 16610)

(ICS 73.040)

Solid Mineral Fuels and Solid Biofuels
Sectional Committee, PCD 07

Last date for Comments:
30 November 2025

NATIONAL FOREWORD

(Formal clauses to be added later)

This standard was first published in 2017 and subsequently revised in 2022. The first revision of this standard was undertaken to align it with the latest version of ISO 10329 : 2017. This revision has been brought out to align it with the latest version of ISO 10329 : 2025 'Hard coal — Determination of plastic properties — Constant-torque Gieseler plastometer method'.

The major changes in this revision are as follows:

- updated the scope of this document, it is only applicable to hard coal; and
- clarified reporting requirements for the various ranges of dd/min.

The text of ISO standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words 'International Standard' appear referring to this standard, they should be read as 'Indian Standard'.
- b) Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In this adopted standard, reference appears to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards, which are to be substituted in their respective places, are listed below along with their degree of equivalence for the editions indicated:

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO 13909-1 Coal and coke — Mechanical sampling — Part 1: General introduction	IS 16143 (Part 1) : 2021 /ISO 13909-1 : 2016 Hard coal and coke — Mechanical sampling : Part 1 General introduction (<i>first revision</i>)	Identical
ISO 13909-2 Coal and coke — Mechanical sampling — Part 2: Sampling of coal from moving streams	IS 16143 (Part 2) : 2021 /ISO 13909-2 : 2016 Hard coal and coke — Mechanical sampling : Part 2 Coal — Sampling from moving streams (<i>first revision</i>)	Identical
ISO 13909-3 Coal and coke — Mechanical sampling — Part 3: Sampling of coal from stationary lots	IS 16143 (Part 3) : 2021 /ISO 13909-3 : 2016 Hard coal and coke — Mechanical sampling : Part 3 Coal — Sampling from stationary lots (<i>first revision</i>)	Identical
ISO 13909-4 : 2016 Hard coal and coke — Mechanical sampling — Part 4: Coal — Preparation of test samples	IS 16143 (Part 4) : 2021 /ISO 13909-4 : 2016 Hard coal and coke — Mechanical sampling : Part 4 Coal — Preparation of test samples (<i>first revision</i>)	Identical

The Committee has reviewed the provisions of the following International Standard referred in this adopted standard and has decided that it is acceptable for use in conjunction with this standard:

<i>International Standard</i>	<i>Title</i>
ISO 18283	Coal and coke — Manual sampling

In reporting the result of a test or analysis made in accordance with this standard, if the final value, observed or calculated, is to be rounded off, it shall be done in accordance with IS 2 : 2022 'Rules for rounding off numerical values (*second revision*)'.

NOTE — The technical content of this document has not been enclosed as this is identical with the corresponding ISO Standard. For details, please refer to ISO 10329 : 2025 or kindly contact:

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