

BUREAU OF INDIAN STANDARDS
DRAFT FOR COMMENTS ONLY

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Draft Indian Standard

**LIGHTNING PROTECTION SYSTEM COMPONENTS (LPSC) –
Part 7: Requirements for earthing enhancing compounds
(ICS 29.020; 91.120.40)**

Electrical Installation
Sectional Committee, ETD 20

Last date for Comments – 26/02/2024

FOREWORD

(Formal clauses will be added later)

This Draft Standard which is identical with IEC 62561-7:2018 ‘Lightning Protection System Components (LPSC) – Part 7: Requirements for earthing enhancing compounds’ issued by the International Electrotechnical Commission (IEC) is proposed to be adopted by the Bureau of Indian Standards on the recommendation of the Electrical Installation Sectional Committee and approval of the Electrotechnical Division Council.

The text of the IEC 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’ appears 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.

The technical committee has reviewed the provisions of the following international standards referred in this adopted standard and decided that they are acceptable for use in conjunction with this standard.

<i>International Standard</i>	<i>Title</i>
ISO 4689-3	Iron ores – Determination of sulfur content – Part 3: Combustion/infrared method
ISO 14869-1	Soil quality – Dissolution for the determination of total element content – Part 1: Dissolution with hydrofluoric and perchloric acids

EN 12457-2	Characterization of waste – Leaching – Compliance test for leaching of granular waste materials and sludges – Part 2: One stage batch test at a liquid to solid ratio of 10 l/kg for materials with particle size below 4 mm (without or with size reduction)
EN 16192	Characterization of waste – Analysis of eluates
ASTM G57-06	Standard Test Method for Field Measurement of Soil Resistivity, Using the Wenner, Four-Electrode Method
ASTM G59-97	Standard Test Method for Conducting Potentiodynamic Polarization Resistance Measurements
ASTM G102-89	Standard Practice for Calculation of Corrosion Rates and Related Information from Electrochemical Measurements

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated expressing the result of a test, shall be rounded off in accordance with IS 2: 2022 'Rules for rounding off numerical values (*Second Revision*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

Scope

This standard specifies the requirements and tests for earthing enhancing compounds producing low resistance of an earth termination system.

Note — The technical content of their document has not been enclosed as there are identical with the corresponding IEC standards for details, please refer the corresponding IEC 62561-7-2018 or kindly contact:

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