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BUREAU OF INDIAN STANDARDS
DRAFT FOR COMMENTS ONLY

Draft *Indian Standard*

BUSHINGS - SEISMIC QUALIFICATION

Last date of comments – 12 November 2021

Electrical Insulators and Accessories Sectional Committee, ETD 06

NATIONAL FOREWORD

This Indian Standard which is identical with IEC 61463:2016 'Bushings - Seismic qualification' issued by the International Electrotechnical Commission (IEC) will be adopted by the Bureau of Indian Standards on the recommendation of the Electrical Insulators and Accessories 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.

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

International Standard	*Corresponding Indian Standard*	*Degree of Equivalence*
IEC 60137 Insulated bushings for alternating voltages above 1 000 V	IS/IEC 60137 :2017 Insulated bushings for alternating voltages above 1 000 V	Identical with IEC 60137:2017
IEC 62155 Hollow pressurized and unpressurized ceramic and glass insulators for use in electrical equipment with rated voltages greater than 1 000 V	IS/IEC 62155 :2003 Hollow pressurized and unpressurized ceramic and glass insulators for use in electrical equipment with rated voltages greater than 1 000 V	Identical with IEC 62155:2003

IEC 62217 Polymeric insulators for indoor and outdoor use – General definitions, test methods and acceptance criteria	IS 16684 :2018 Polymeric HV insulators for indoor and outdoor use-General definitions, test methods and acceptance criteria	Identical with IEC 62217:2012
ISO 2041 Mechanical vibration, shock and condition monitoring – Vocabulary	IS/ISO 2041:2018 Mechanical vibration, shock and condition monitoring — vocabulary (*first revision*)	Identical with ISO 2041:2018

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 conjuction with this standard:

International Standard	*Title*
IEC 60068-2-47	Environmental testing – Part 2-47: Test – Mounting of specimens for vibration, impact and similar dynamic tests
IEC 60068-2-57	Environmental testing – Part 2-57: Tests – Test Ff: Vibration – Time-history and sine-beat method
IEC 60068-3-3:1991	Environmental testing – Part 3-3: Guidance – Seismic test methods for equipments
IEC 61462	Composite hollow insulators – Pressurized and unpressurized insulators for use in electrical equipment with rated voltage greater than 1 000 V – Definitions, test methods, acceptance criteria and design recommendations

Only English language text has been retained while adopting it in this Indian Standard, and as such the page numbers given here are not the same as in the International Standard.

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: 1960 ‘Rules for rounding off numerical values (revised)’. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

Note: The technical content of the document is not available on website. For details, please refer the corresponding IEC 61463:2016 or kindly contact:

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