BUREAU OF INDIAN STANDARDS DRAFT FOR COMMENTS ONLY

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Draft Indian Standard

Insulation co-ordination – Part 12: Application guidelines for LCC HVDC converter stations

(ICS 29.080.30)

HVDC Power Systems	Last date for comments-26/07/2024
Sectional Committee, ETD 40	

NATIONAL FOREWORD

This Draft Indian Standard which is identical with IEC 60071-12:2022 'Insulation co-ordination – Part 12: Application guidelines for LCC HVDC converter stations' Issued by the International Electrotechnical Commission (IEC) is proposed to be adopted by the Bureau of Indian Standards on the recommendation of the HVDC Power Systems 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 60099-4, Surge arresters – Part 4: Metal-oxide surge arresters without gaps for a.c. systems	IS 15086 (Part 4): 2017/ IEC 60099-4: 2014 Surge arresters: Part 4 metal - Oxide surge arresters without gaps for A.C. systems	Identical
IEC 60071-1:2019, Insulation coordination – Part 1: Definitions, principles and rules	IS 14801 : 2021/ IEC 60633 : 2019 High-voltage direct current HVDC transmission Vocabulary (First Revision)	Identical

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

International Standard	Title
IEC 60071-11	Insulation co-ordination - Part 11: Definitions, principles and rules for
	HVDC system

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: 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.

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 60071-12:2022 or kindly contact:

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