



BUREAU OF INDIAN STANDARDS

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व्यापक परिचालन में मसौदे

प्रलेख प्रेषण संज्ञापन

संदर्भ	दिनांक
ईटीडी 03/ टी- 68	21 अगस्त 2018

तकनीकी समिति ईटीडी 03

प्रेषती :

1. ईटीडी 03 के सभी सदस्य
2. विद्युत तकनीकी विभाग परिषद के सभी सदस्य तथा
3. रूचि रखने वाले अन्य सभी निकाय

महोदय ,

कृपया निम्नलिखित मसौदे की एक प्रति संलग्न है :

प्रलेख न.	शीर्षक
ईटीडी 03 (11784)	विद्युत् रोधी द्रव — आंशिक निस्सरण के इन्सेप्शन वोल्टेज को ज्ञात करना (पी डी आई वी) - परीक्षण विधी

कृपया इन मसौदों का अवलोकन करें और अपनी सम्मतियों यह बताते हुए भेजें कि अंततः यदि यह मानक के रूप में प्रकाशित हो जाए तो इस पर अमल करने में आपके व्यवसाय अथवा कारोबार में क्या कठिनाइयाँ आ सकती हैं।

सम्मतियों भेजने की अंतिम तारीख: **20 अक्टूबर 2018**

सम्मतियों यदि कोई हो तो कृपया अगले पृष्ठ पर दिए पत्र में अधोहस्ताक्षरी को उपरिलिखित पते पर भेज दें। यदि कोई सम्मति प्राप्त नहीं होती अथवा सम्मति में केवल भाषा संबंधी त्रुटि हुई तो उपरोक्त प्रलेख को यथावत अंतिम रूप दिया जाएगा। यदि कोई सम्मति तकनीकी प्रकृति की हुई तो विषय समिति के अध्यक्ष के परामर्श से अथवा उनकी इच्छा पर आगे की कार्यवाही के लिए विषय समिति को भेजे जाने के बाद प्रलेख को अंतिम रूप दे दिया जाएगा।

कृपया नोट करें कि मसौदों का तकनीकी विषय वस्तु संलग्नतनहीं किया गया है क्योंकि ये मसौदे आई. ई. सी. मानकों के समरूप हैं। विस्तृत ब्यौरे के लिए कृपया संबंधित राष्ट्रीय प्राक्कथन में उल्लिखित आई. ई. सी. प्रकाशन पढ़ें अथवा अधोहस्ताक्षरित को संपर्क करें।

धन्यवाद,

भवदीय,

(राजीव शर्मा)

वैज्ञानिक 'ई' एवं प्रमुख (विद्युत तकनीकी)

संलग्न : उपरिलिखित

**DRAFTS IN WIDE
CIRCULATION**

DOCUMENT DESPATCH ADVICE

Reference	Date
ETD 03/ T- 68	21 August 2018

TECHNICAL COMMITTEE ETD 03

ADDRESSED TO:

1. All Members of Fluids for Electrotechnical Applications Sectional Committee ETD 03
2. All Members of Electrotechnical Division Council; and
3. All other Interested.

Dear Sir(s),

Please find enclosed a copy of the following draft Indian Standard:

Sl. No.	Doc no.	Title
1	ETD 03 (11784)	Insulating liquids — Determination of the partial discharge inception voltage (PDIV) — Test procedure

Kindly examine the draft standards and forward your views stating any difficulties which you are likely to experience in your business or profession, if these are finally adopted as Indian Standards. Comments, if any, may please be made in the format given overleaf and mailed to the undersigned.

Last date for comments: **20 October 2018.**

In case no comments or only editorial comments are received, it will be presumed that there are no technical comments and the document may be finalized in consultation with the chairman of the sectional committee.

However, in case comments of technical nature are received, the chairman of the sectional committee will be consulted. Based on the decision of the chairman, the documents may either be finalized or referred to the sectional committee for further action.

Thanking you,

Yours faithfully

(Rajeev Sharma)
Sc 'E' & Head (Electrotechnical)
Email: ceetd@bis.org.in
Encl : See attachment.

BUREAU OF INDIAN STANDARDS
DRAFT FOR COMMENTS ONLY
(Not to be reproduced without the permission of BIS or used as a
STANDARD)

Draft Indian Standard
Insulating liquids – Determination of the partial discharge inception voltage
(PDIV) – Test procedure

Last date of receipt of comments: 20-10-2018

Fluids for Electrotechnical Applications Sectional Committee, ETD 03

NATIONAL FOREWORD

This Indian Standard which is identical with IEC TR 61294 : 1993 ‘Insulating liquids — Determination of the partial discharge inception voltage (PDIV) — Test procedure’ issued by the International Electrotechnical Commission (IEC) is proposed to be adopted by the Bureau of Indian Standards on the recommendation of the Fluids for Electrotechnical Applications Sectional Committee and approval of the Electrotechnical Division Council.

The text of IEC Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain terminology and 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 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>
IEC 270: 1981, Partial discharge measurements	IS/IEC 60270 : 2000 High-voltage test techniques – Partial discharge measurements	Identical IEC 60270 : 2000

ISO 5725 (all part) : 1986, IS 15393 (all part) Accuracy (Identical Precision of the test trueness and precision) of methods - Determination of measurement methods and repeatability and results reproducibility for a standard test method by inter-laboratory tests

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>
IEC 156: 1963	Method for the determination of the electric strength of insulating oils
IEC 897: 1987	Methods for the determination of the lightning impulse breakdown voltage of insulating liquids
IEC 1072: 1991	Methods of test for evaluating the resistance of insulating materials against the initiation of electrical trees

Only the English language text of the IEC Standard has been retained while adopting it as an Indian Standard and as such the page numbers given here are not same as in IEC 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 of 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 documents is not available on website. For details, please refer the corresponding IEC TR 61294 : 1993 or kindly contact:

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