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IS : 2551 - 1982

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DANGER NOTICE PLATES
(First Revision)

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DANGER NOTICE PLATES
( First Revision )

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(Continued on page 10)
Indian Standard

DANGER NOTICE PLATES

(First Revision)

0. FOREWORD

0.1 This Indian Standard (First Revision) was adopted by the Indian Standards Institution on 7 October 1982, after the draft finalized by the Code of Practice for Power Installation and Maintenance Sectional Committee had been approved by the Electrotechnical Division Council.

0.2 Under Rule No. 35 of the Indian Electricity Rules, 1956, the owner of every medium, high and extra high voltage installation is required to affix permanently in a conspicuous position a danger notice in Hindi or English and the local language of the district, with the sign of skull and bones and of a type approved by the Electrical Inspector. The rule is reproduced in Appendix A.

0.3 It has been however observed that in different places, different sizes and designs of such notice plates have been in use and the need for standardizing the important features of such danger notice plates has been long since felt. This standard was therefore originally prepared in 1963, to cover Hindi version of the notice plates in consonance with the then existing rules.

0.4 This revision is being brought out to cover standardized features of notice plates in line with IE Rule 35 as amended as well as to lay down essential requirements and tests to ensure satisfactory functioning of danger notice plates in use. This revision also includes recommended equivalent to the word ‘danger’ in some of the regional languages for use in the respective states. Equivalents in other languages are under consideration.

0.5 This standard for the time being includes the requirements of danger notice in the form of plates only. It is, however, recognized that the use of danger notices in the form of stickers are also in vogue in the country in some States. The requirements of such danger notices in a form other than plates are under consideration for standardization.

0.6 In the interest of universal acceptance of the message of caution in the danger notice irrespective of language consideration, it is proposed to
evolve, a standard symbol for danger which would, it is hoped in due course replace the present contents of danger notice.

0.7 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*. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

1. SCOPE

1.1 This standard covers danger notice plates to be displayed in accordance with Rule No. 35 of the Indian Electricity Rules, 1956.

2. DANGER NOTICE PLATES

2.1 Dimensions

2.1.1 For the purposes of this standard, two sizes of danger notice plates are recommended as below:

a) For display at medium voltage installations 200 × 150 mm (see Fig. 1)

b) For high and extra high voltage installations 250 × 200 mm (see Fig. 2)

2.1.2 All letterings shall be centrally spaced. The dimensions of the letters, figures and their respective positions shall be as given in Fig. 1 and Fig. 2 for medium voltage and high and extra high voltage installations respectively. The size of each letter in the word in each language, and the spacing between them for the purposes of scribing shall be so chosen that they are uniformly written in the space earmarked for them.

2.1.3 The corners of the plate shall be rounded off.

2.1.4 The location of the fixing holes shall be left to the choice of the user.

3. MATERIAL AND FINISH

3.1 The plate shall be made from mild steel, at least 1.6 mm thick and vitreous enamelled white, with letters, figures and the conventional skull and cross-bones in signal red colour [see IS: 5-1978†] on the front side. The rear side of the plate shall also be enamelled.

*Rules for rounding off numerical values (revised).
†Colours for ready mixed paints and enamels (third revision).
NOTE 1 — All letterings should be centrally spaced.

NOTE 2 — The dimensions for the words in district language are mainly for guidance, however, care should be taken to space them centrally between the edges and the area of the skull and bones.

NOTE 3 — The location of the fixing holes shall be left to the choice of the user.

NOTE 4 — The corners of the plates should be rounded off.

All dimensions in millimetres.

FIG. 1 DANGER NOTICE PLATE FOR MEDIUM VOLTAGE INSTALLATION

4. LANGUAGES

4.1 Hindi — The word recommended to denote danger in Hindi and the type of lettering are indicated in the specimen danger notice plates shown in Fig. 1 and 2.

4.2 English — For denoting in English, the type of lettering recommended is shown in Fig. 3.

4.3 Other District Languages — The recommended equivalents to danger in some regional languages are given in Appendix B.
Fig. 2 Danger Notice Plate for High and Extra-High Voltage Installation

Note 1 — All letterings should be centrally spaced.
Note 2 — The dimensions for the words in district language are mainly for guidance, however, care should be taken to space them centrally between the edges and the area of the skull and bones.
Note 3 — The location of the fixing holes shall be left to the choice of the user.
Note 4 — 11000 volts is just specimen, actual voltage is to be inserted for different system voltages.
Note 5 — The corners of the plate should be rounded off.

All dimensions in millimetres.
5. MARKING

5.1 The essential information that would be necessary to identify the manufacturer of the danger notice plates shall be marked, in such a manner and position on the plates that it does not interfere with the other information.

5.2 The danger notice plates may also be marked with the ISI Certification Mark.

NOTE — The use of the ISI Certification Mark is governed by the provisions of the Indian Standards Institution (Certification Marks) Act and the Rules and Regulations made thereunder. The ISI Mark on products covered by an Indian Standard conveys the assurance that they have been produced to comply with the requirements of that standard under a well-defined system of inspection, testing and quality control which is devised and supervised by ISI and operated by the producer. ISI marked products are also continuously checked by ISI for conformity to that standard as a further safeguard. Details of conditions under which a licence for the use of the ISI Certification Mark may be granted to manufacturers or processors, may be obtained from the Indian Standards Institution.
6. TESTS

6.0 General

6.0.1 In order to ensure that the notice plates conform to this specification, the following essential tests are specified. The number of samples to be tested shall be as agreed to between the supplier and the user.

6.0.2 The following shall constitute the tests:

a) Visual examination,

b) Dimensional check, and

c) Test for weather-proofness.

6.1 Visual Examination — The samples of notice plates shall be examined visually for conformity to the various requirements of this standard in respect of the works and letters used, their relative position and size. The colour of the paint used shall be visually compared with the signal red colour specified in IS : 5-1978*.

6.2 Dimensional Check — The dimensions of the plate, its thickness and the size of lettering, figures, etc, shall be checked for conformity to Fig. 1 or Fig. 2 as applicable. All letterings shall be centrally spaced and shall conform generally to the stipulations in 2.1.2 to 2.1.4.

6.3 Test for Weather-Proofness — For the purpose of verifying colour retention of the vitreous enamel coatings, the method of test specified in IS : 8709-1977† shall apply.

APPENDIX A

(Clause 0.2)

EXTRACT FROM INDIAN ELECTRICITY RULES, 1956

Rules 35 Danger Notices — The owner of every medium, high and extra high voltage installation shall affix permanently in a conspicuous position a danger notice in Hindi or English and the local languages of the district, with a sign of skull and bones and of a type approved by the Inspector on:

a) every motor, generator, transformer and other electrical plant and equipment together with apparatus used for controlling or regulating the same.

*Colours for ready mixed paints and enamels (third revision).
†Method of tests for colour retention of vitreous enamel coatings.
b) all supports of high and extra high voltage overhead lines which can be easily climbed upon without the aid of ladder or special appliances.

Explanation — rails, tubular poles, wooden supports, reinforced cement concrete poles without steps. I-sections and channels, shall be deemed as supports which cannot be easily climbed upon for the purposes of this clause.

c) Luminous tube sign requiring high voltage supply, X-ray and similar high-frequency installations.

Provided that where it is not possible to affix notices on any generator, motor, transformer or other apparatus, they shall be affixed as near as possible thereto; or the word danger and the voltage of the apparatus concerned shall be permanently painted on it.

Provided further that where the generator, motor, transformer or other apparatus is within an enclosure, one notice affixed to the said enclosure shall be sufficient for the purpose of this rule.

APPENDIX B

(Clause 4.3)

RECOMMENDED EQUIVALENTS TO ‘DANGER’ IN SOME REGIONAL LANGUAGES

<table>
<thead>
<tr>
<th>Language</th>
<th>Equivalent to the word ‘Danger’</th>
</tr>
</thead>
<tbody>
<tr>
<td>Punjabi</td>
<td>ਦੁਰ੍ਗੜਾ</td>
</tr>
<tr>
<td>Urdu</td>
<td>ہر</td>
</tr>
<tr>
<td>Marathi</td>
<td>दौड़ा</td>
</tr>
<tr>
<td>Tamil</td>
<td>பார்வயுபோ</td>
</tr>
<tr>
<td>Malayalam</td>
<td>പാൻസോബോ</td>
</tr>
<tr>
<td>Bengali</td>
<td>পানা</td>
</tr>
<tr>
<td>Oriya</td>
<td>ପାଣି</td>
</tr>
</tbody>
</table>

9
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