

(PREVIEW)

IS : 4091- 1979

Indian Standard

CODE OF PRACTICE FOR DESIGN AND CONSTRUCTION OF FOUNDATIONS FOR TRANSMISSION LINE TOWERS AND POLES

(*First Revision*)

FOREWORD

0.1 This Indian Standard (First Revision) was adopted by the Indian Standards Institution on 10 August 1979, after the draft finalized by the Foundation Engineering Sectional Committee had been approved by the Civil Engineering Division Council.

0.2 Transmission line towers and poles are subjected to large horizontal forces at the top thereby causing overturning and/or uplifting of foundation. The design of foundation for such structures involves special problems and this standard has been prepared with a view to providing guidance to the designer. Often well foundations are used in river beds for which IS : 3955 1967* may be referred. This standard was first published in 1967. The revision has been done to bring in line with latest practice.

0.3 In the formulation of this standard due weightage has been given to international co-ordination among the standards and practices prevailing in different countries in addition *to* relating it to the practices in this field in the country.

0.4 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 or analysis, 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 the design and construction of concrete foundations including anchor bolts grouted into rock for transmission-line towers and poles.

*Code of practice for design and construction of well foundations.

†Rules for rounding off numerical values (*revised*).