

(PREVIEW)

IS 14815 : 2000

Indian Standard

**DESIGN FLOOD FOR
RIVER DIVERSION WORKS – GUIDELINES**

1 SCOPE

This standard lays down the guidelines for computation of design flood for temporary diversion of river during construction.

FOREWORD

This Indian Standard was adopted by the Bureau of Indian Standards, after the draft finalized by the Dams (Overflow and Non-Overflow) and Diversion Works Sectional Committee had been approved by the Water Resource Division Council.

Prior to the commencement of actual construction of any work in the bed of a river, it becomes obligatory, in practically all the cases, to exclude temporarily the river flow from the proposed work area during the construction period so as to permit the work to be done in dry or semi-dry condition. An efficient scheme of diverting the river flow away from the work area should aim at limiting the seepage into the work area to a minimum. Proper planning and design of such temporary diversion work would be greatly influenced by the design flood for such work in addition to other factors. This standard gives the guidelines for estimation of design flood for diversion works.

There is no ISO standard on the subject. This standard has been prepared based on indigenous manufacturers' data /practices prevalent in the field in India.

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, should 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.