

(PREVIEW)

IS 13623 : 1993

Indian Standard

**CRITERIA FOR
CHOICE OF GATES AND HOISTS**

1 SCOPE

1.1 This standard lays down the criteria for choice of common gates and hoists.

FOREWORD

This Indian Standard was adopted by the Bureau of Indian Standards, after the draft finalized by the Hydraulic Gates and Valves Sectional Committee, had been approved by the River Valley Division Council.

Different types of hydraulic gates and hoists, working on the same or different principles and mechanism are presently in use for controlled release or water through spillways, sluices, intakes, regulators, ducts, tunnels, etc. Right selection of gates and their hoisting arrangement is very important to ensure safety of the structure and effective control. A designer has to plan a gate and its hoisting arrangement together. Separate planning of gates or hoists, sometimes results in unsatisfactory installation. Though the choice for the gates and hoists depends on several factors, primarily safety, ease in operation as well as maintenance and economy are the governing requirements in the same order. The objective of this standard is not to give concluding recommendations but to highlight different factors, which would largely effect the choice of gates and hoists and would help in selection of the same.