

(PREVIEW)

IS 13591 : 1992

Indian Standard

CRITERIA FOR DESIGN OF LIFTING BEAMS

1 SCOPE

1.1 This standard deals with criteria for design of three types of engaging and disengaging lifting beams.

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.

Lifting beams or lifting frames are used for handling gates stop logs and trash racks. The lifting beams/frames make it possible to engage and disengage the curves/hoist from the gate or trash-rack under water.

The limit of application (depth of water) of lifting beams frame will be set by the depth to which it is possible for a driver to work if it is required in case of failure of the beam. The lifting beam is operated under balanced condition and with clean grooves. For dirty grooves specially during construction the use ramming of lifting beams is not recommended because of frequent ramming.

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 '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.