

(PREVIEW)

IS : 7331 – 1981

Indian Standard

CODE OF PRACTICE FOR INSPECTION AND MAINTENANCE OF CROSS DRAINAGE WORKS

(First Revision)

1. SCOPE

1.1 This code covers general guidelines for inspection and maintenance of cross drainage works. This does not cover cross drainage works of highways and railways.

FOREWORD

0.1 This Indian Standard (First Revision) was adopted by the Indian Standards Institution on 31 December 1981, after the draft finalized by the Cross Drainage Works Sectional Committee had been approved by the Civil Engineering Division Council.

0.2 Cross drainage works are structures constructed to negotiate a carrier channel over, below or at the same level of a drainage stream or another carrier channel.

0.3 The junctions of cross drainage works with the canal banks are vulnerable and susceptible to erosion during floods. It is essential that these works are inspected periodically and adequately maintained to safeguard them against possible damages or failures. Damages to structures/ property and life may occur as a result of failures of such cross drainage works.

0.4 It is necessary that the drawings of works as executed and as amended from time to time are kept up to date and are maintained as permanent record, so as to be available readily for consultation. This information may be exhibited at the sites, wherever needed. It is also necessary that the engineers-in-charge make themselves familiar with the basis of design of the works/structures.

0.5 This standard was first issued in 1974. The revision of the standard has been taken up in the light of the experience gained since then. The salient changes made in this revision are given below:

- a) Provisions regarding inspection of cross drainage works have been modified
- b) A new clause on ‘damages to cross drainage works and remedial measures’ has been added;
- c) Maintenance aspects have also been modified, duly categorizing them into 3 groups, namely, before monsoon, during monsoon and post-monsoon; and
- d) Appendices A and B regarding proforma for recording details of cross drainage works and proforma for reporting inspection of cross drainage works have been modified.