

Indian Standard

**CODE OF PRACTICE FOR
INDEXING AND STORAGE OF DRILL CORES**

(First Revision)

1. SCOPE

1.1 This standard lays down recommendations for indexing and storage of cores and cuttings obtained by drilling and special samples that may be recovered during the drilling operation.

FOREWORD

0. 1 This Indian Standard (First Revision) was adopted by the Indian Standards Institution on 29 February 1980, after the draft revision finalized by the Subsurface Exploration Sectional Committee had been approved by the Civil Engineering Division Council.

0. 2 This standard was first published in 1967. The present revision has been made to reflect the experience gained on the subject since then. Some of the important modifications done in this revision relate to: (a) provision of serially numbering all pieces in a run, (b) method of numbering to be adopted when there are more than one core-box for a hole, and (c) provision of keeping copies of finally prepared detailed report on geological logs in the core library.

0. 3 Core drilling is one of the most important items of subsurface exploration at the various river valley project sites and other sites of engineering construction. The data provided by such drilling, when interpreted by a competent engineering geologist, gives valuable subsurface geological information, such as depth of overburden at the site of the hole, lithological and physical nature of overburden/bedrock, continuity of the formation drilled, frequency and nature of joints as well as their water-tightness, location of bedding seams and other discontinuities, thrusts, faults, underground cavities and buried valleys and leads to the evaluation of subsurface geological features.

0. 4 In order to extract maximum possible information from this process and to prevent the loss of the valuable subsurface data obtained by costly core-drilling, it is necessary that the cores obtained are kept in a good condition, properly arranged and accurately marked. In view of the above and to unify the diverse practices prevailing in the country in regard to indexing and storage of cores, this standard has been prepared. Even though the main intent of this code is to provide the necessary guidance for the indexing and storage of drill cores for river valley projects, the provisions of this code with appropriate modifications may be applicable to other types of investigations, such as for bridges and mineral prospecting.