**Action Research Project Report**

**On**

**IS 14750 : 2014**

**CODE OF PRACTICE FOR INSTALLATION, MAINTENANCE AND**

**OBSERVATION OF SEEPAGE MEASURING DEVICES FOR**

**CONCRETE / MASONRY AND EARTH/ROCKFILL DAMS**

**(First Revision)**

Sectional Committee No.: WRD 16

Title: (Hydraulic Structures Instrumentation Sectional Committee)

1. **OBJECTIVE OF THE STANDARD**

This Indian Standard (First Revision) was adopted by the Bureau of Indian Standards, after the draft finalized by the Hydraulic Structures Instrumentation Sectional Committee had been approved by the Water Resources Division Council.

This standard was first published in 2000; however, the Committee responsible for the formulation of this standard decided to revise it based on the experience gained since then as well as considering technological development in the field. The major changes in this revision are :

1. Table 1 (discharge through contracted rectangular weirs) and Table 2 (discharge through 90° V-Notch weirs) has been excluded in this revision as discharge formula for standard contracted rectangular weir and 90° V-Notch weir has already been given.
2. A new clause about weir plate has been included as **2.1.1.**
3. Paragraphs about weir contraction have been included in **2.1.3.**
4. **SCOPE OF THE STANDARD**

This standard stipulates the provisions for installation, observation and maintenance of seepage measuring devices for concrete/masonry and earth/rockfill dams.

1. **ACTION RESEARCH METHODOLOGY AND RESEARCH**

The objective of this review is to study the standard and the latest developments, if any, so that an informed decision may be taken out of the 5 possible options that may chosen regarding the standard -

1. Reaffirm
2. Reaffirm with amendment
3. Reaffirm and Revise
4. Reaffirm and Archive
5. Withdraw
6. **NATIONAL AND INTERNATIONAL REFERENCES**
* IS 9108 : 2020 / ISO 1438 : 2017 - Hydrometry — Open Channel Flow Measurement Using Thin-Plate Weirs (second revision).
* IS 13083 : 2017 - Liquid flow measurement in open channels ? flat - V weirs.
1. **ACTION RESEARCH OUTPUT**

Pursuant to the above, the Standard still seems to be relevant and the expert members may be requested to give their inputs. It may be decided to reaffirm the standard without any change from the date of it being due, for a further period of five years. In case of any further developments, the committee may choose to take up the amendment / revision of the standard.

**Mr. Vaibhav Yadav**

Scientist-B

Water Resources Department