**Action Research Project Report**

**On**

**IS 8282 (Part 2) : 1996**

**INSTALLATION, MAINTENANCE AND OBSERVATIONS**

**OF PORE PRESSURE MEASURING DEVICES IN**

**CONCRETE AND MASONRY DAMS - CODE OF PRACTICE**

**PART 2 VIBRATING WIRE TYPE CELL**

Sectional Committee No.: WRD 16

Title: (Hydraulic Structures Instrumentation Sectional Committee)

1. **OBJECTIVE OF THE STANDARD**

This Indian Standard ( Part 2 ) 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.

Stress and stability analysis of concrete and masonry dams is carried out by considering the existence of uplift across different horizontal planes, having uplift intensity-distribution in accordance with the design criteria in practice. The effect of the uplift is to induce instability on account of resulting buoyancy in weight of the material in dam above the horizontal section under consideration.

1. **SCOPE OF THE STANDARD**

This standard (Part 2) covers the details of installation, maintenance and observation of vibrating wire type pore pressure measuring cells in concrete and masonry 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 10334 : 1982 - Code of practice for selection, splicing, installation and providing protection to the open ends of cables used for connecting resistance type measuring devices in concrete and masonry dams.

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.

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