**Action Research Project Report**

**On**

**IS 14278 : 1995**

**STRESS MEASURING DEVlCES lN CONCRETE**

 **AND MASONRY DAMS ⎯ INSTALLATION, COMMISSIONING**

 **AND OBSERVATIONS ⎯ CODE OF PRACTICE**

Sectional Committee No.: WRD 16

Title: (Hydraulic Structures Instrumentation Sectional Committee)

1. **OBJECTIVE OF THE STANDARD**

This Indian Standard was adopted by the Bureau of Indian Standards, after the draft finalized by the Hydraulic Structures Instrumentation Sectional Committee had been approved by the River Valley Division Council.

A stress meter is designed to measure total force over a sensing area. It is used for measurement of stresses in any direction depending upon its mounting.

1. **SCOPE OF THE STANDARD**

This standard covers the details of installation, commissioning and observation procedures of unbonded strain gauge type and vibrating wire type stress meters 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 7436 (Part 2) : 2019 - Guide for types of measurements for structures in river valley projects and criteria for choice and location of measuring instrument: Part 2 concrete and masonry dams (second revision).
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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