**Action Research Project Report**

**On**

**IS 9401 (Part 15) : 2010**

**METHOD OF MEASUREMENT OF WORKS IN RIVER VALLEY PROJECTS**

**(DAMS AND APPURTENANT STRUCTURES)**

**PART 15 INVESTIGATION WORKS — DRILLING OF BORE HOLES AND**

**EXPLORATORY DRIFTING AND LOGGING**

Sectional Committee No.: WRD 23

Title: (Measurement and Cost Analysis of Works for River Valley Projects Sectional Committee)

1. **OBJECTIVE OF THE STANDARD**

This Indian Standard (Part 15) was adopted by the Bureau of Indian Standards, after the draft finalized by the Measurement and Cost Analysis of Works of River Valley Projects Sectional Committee had been approved by the Water Resources Division Council.

In the measurement of works of river valley projects a diversity of methods exist at present according to local practices. This lack of uniformity creates complications regarding measurements and payments. Keeping in view the large amount of financial outlay involved in river valley projects and also the fact that the authorities responsible for completing these projects, are of the state level or national level, it is felt that a suitable methodology is needed for adopting uniform practices towards the measurement of works so that the scope of complications and misinterpretation of items of work is reduced, as far as possible. This standard is being formulated in various parts so as to cover each type of work separately.

1. **SCOPE OF THE STANDARD**

This standard (Part 15) covers the methods of measurement for drilling of bore holes and exploratory drifting and logging (investigation works) for river valley projects.

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 4078 : 1980 - Code of practice for indexing and storage of drill cores (first revision).
* IS 4464 : 2020 - Code of practice for presentation of drilling information and core description in geotechnical investigation (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.

**Mr. Vaibhav Yadav**

Scientist-B

Water Resources Department