

IS 4967 : 2025

Earthquake Instrumentation of Dam Projects (First Revision)

Earthquake instrumentation required for near real-time monitoring of dam projects will help in the earthquake safety assessment of the dams through the characterization of:

- a) Earthquake sources around the dam projects before and after the construction of the structures;
- b) Earthquake ground motion, structural responses of the structures, and verification of design parameters by the structural response measured during earthquake ground shaking; and
- c) Reservoir induced seismicity.

This standard contains general provisions on earthquake instrumentation applicable to dams.

This standard was first published in 1968. This revision is based on significant experience gained over the last five decades in earthquake instrumentation and monitoring of shaking of the ground and built structures during an earthquake. Thereafter, the Committee decided to revise the provisions to keep abreast with rapid developments in instrumentation and extensive research carried out in earthquake-resistant design of proposed large projects and earthquake safety assessment of existing large projects.

In this revision, the following changes have been included:

- a) The title of the standard has been changed to 'Earthquake instrumentation of dam projects'
- b) The scope has been expanded to include instrumentation to capture strong earthquake shaking of:
 - 1) The ground at and adjoining the dam sites; and
 - 2) The buildings and critical structures associated with dams.
- c) Guidance is provided on parameters of earthquake shaking to be captured, and on the selection of type, detailed specifications, location, and number of instruments;
- d) Emphasis is laid on database management and processing protocols; and
- e) The provisions on dam projects have been extended to include:
 - 1) Measurements needed;
 - 2) Sensors to be used;
 - 3) Digital data system required;
 - 4) Installation procedure to be adopted;
 - 5) Maintenance to be complied with; and
 - 6) Processing and dissemination of data to be agreed upon.

In the preparation of this standard, effort has been made to coordinate with standards and practices prevailing in different countries in addition to relating it to the practices in the field in this country.

IS 19209 : 2025

Implementation of Occupational Health Safety Management System in Agencies Dealing with Solid Waste Management — Guidelines

This standard provides guidance for agency dealing with solid waste management on the establishment, implementation, maintenance and improvement of a robust, credible and reliable occupational health and safety management system. The guidance provided is intended for an agency seeking to manage its Occupational Health and Safety (OH&S) responsibilities in a systematic manner that contributes to the implementation of National Policy on Safety Health and Environment at Workplace by Government of India.

This standard provides guidelines to agency dealing with solid waste management that wishes to:

- a) Establish an OH&S management system to eliminate or minimize risks to personnel and other interested parties who could be exposed to OH&S hazards associated with activities;
- b) Implement, maintain and continually improve an OH&S management system;
- c) Assure itself of its conformity with its stated OH&S policy; and
- d) Demonstrate conformity with this OHSMS Standard by:
 - 1) Making a self-determination and self- declaration;
 - 2) Seeking confirmation of its conformance by parties having an interest in the agency/stake holders; and
 - 3) Seeking confirmation of its self-declaration by a party external to the agency.

IS 18980 : 2025

Blood Donor Couch

The blood donor couch is designed to make blood withdrawals easier, safe and provide a comfortable seating position to the donor during blood donation process. It has various features including adjustment of height, arm, and position. Donor's position can be easily adjusted to form either a comfortable easy chair or a bed.

This standard covers the requirements of blood donor couch used in blood bank for blood donation and apheresis procedure during blood donation.