

BUREAU OF INDIAN STANDARDS

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भारतीय मानक मसौदा

जलवायु परिवर्तन का अनुकूलन — संवेदनशीलता, प्रभाव और जोखिम
मूल्यांकन पर दिशा-निर्देश

Draft Indian Standard

**ADAPTATION TO CLIMATE CHANGE — GUIDELINES
ON VULNERABILITY, IMPACTS AND RISK
ASSESSMENT**

ICS 13.020.30, 13.020.40

Environmental Management Sectional Committee, CHD 34

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NATIONAL FOREWORD

(Formal clause will be added later)

Climate change risks differ from other risks. It is often difficult or even impossible to quantify their short- or long-term probability so a conventional risk assessment that uses statistical probabilities can be ineffective. For this reason, various approaches have been developed for assessing climate change risks. This document provides guidance on the use of screening assessments and impact chains. The screening approach can serve as a stand-alone, simplified risk assessment for a straight-forward system at risk or for organizations with a limited budget, or serve as a pre-assessment prior to the use of impact chains. Based on a participatory and inclusive process, impact chain approaches are more comprehensive, providing an opportunity to address all relevant factors. Both screening assessments and impact chain assessments allow for qualitative and quantitative analysis.

This document covers risks that result from a changing climate. It does not address risks that result from the transition to a low carbon economy. This document recognizes that climate risks can be threats or opportunities.

Risk assessment according to this document provides a basis for climate change adaption planning, implementation, and monitoring and evaluation for any organization, regardless of size, type and nature.

This document belongs to an emerging family of standards on adaptation to climate change under the umbrella of IS/ISO 14090, which describes the following elements of climate change adaptation:

- pre-planning;
- assessing impacts including opportunities;
- adaptation planning;
- implementation;
- monitoring and evaluation;
- reporting and communication

The text of ISO Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words 'International Standard' appears referring to this standard, they should be read as 'Indian Standard'.
- b) Comma (,) has been used as a decimal marker, while in Indian Standards, the current practice is to use a point (.) as the decimal marker.