***भारतीय मानक***

***Indian Standard***

**IS/ISO 14064 (Part 1) : 2018**

**Doc. No. CHD 34/20719 F**

**ग्रीनहाउस गैसें**

***भाग 1* संगठन स्तर पर ग्रीनहाउस गैस के उत्सर्जन और निष्कासन के लिए परिमाणन और रिपोर्टिंग, की दिशा-निर्देश सहित विशिष्टि**

*(* पहला पुनरीक्षण )

**GREENHOUSE GASES**

**Part 1 Specification with guidance at the organization level for quantification and reporting of greenhouse gas emissions and removals**

*( First Revision )*

ICS 13.020.40

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भारतीय मानक ब्यूरो

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Environmental Management Sectional Committee, CHD 34

NATIONAL FOREWORD

The Indian Standard which is identical with ISO 14064-1 : 2018 ‘Greenhouse gases Part 1 Specification with guidance at the organization level for quantification and reporting of greenhouse gas emissions and removals’ issued by the International Organization for Standardization was adopted by the Bureau of Indian Standards on the recommendation of the Environmental Management Sectional Committee and approval of the Chemical Division Council.

This standard was originally published in 2009 by adopting ISO 14064-1 : 2006. The first revision of this standard has been undertaken to align it with ISO 14064-1 : 2018.

This document details principles and requirements for designing, developing, managing and reporting organization-level GHG inventories. It includes requirements for determining GHG emission and removal boundaries, quantifying an organization’s GHG emissions and removals, and identifying specific company actions or activities aimed at improving GHG management. It also includes requirements and guidance on inventory quality management, reporting, internal auditing and the organization’s responsibilities in verification activities.

The major changes in this revision as compared to the previous edition are as follows:

1. A new approach has been introduced to reporting boundaries, facilitating the inclusion and expansion of indirect emissions. This change is a response to a growing number of organizations that are recognizing the importance and significance of indirect emissions and are developing GHG inventories that include more types of indirect emissions across the value chain.
2. The GHG emissions category “other indirect GHG emissions” has been renamed “indirect GHG emissions.” Requirements and guidance have been provided for classification of indirect GHG emissions into five specific categories. “Operational boundaries” has been renamed “reporting boundaries” for clarification and simplicity.
3. New requirements and guidance for GHG quantification and reporting of specific items, such as the treatment of biogenic carbon and GHG emissions related to electricity, have been added for clarification.

This Indian Standard has been issued in several parts. Other parts of this Indian Standard are:

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| IS/ISO 14064-2 : 2019 | Greenhouse Gases Part 2 Specification with guidance at the project level for quantification monitoring and reporting of greenhouse gas emission reductions or removal enhancements (*first revision*) |
| IS/ISO 14064-3 : 2006 | Greenhouse gases Part 3 Specification with guidance for the validation and verification of greenhouse gas assertions |

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:

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