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BUREAU OF INDIAN STANDARDS

DRAFT FOR COMMENTS ONLY

भारतीय मानक मसौदा

जल दक्षता प्रबंधन पद्धतियाँ - उपयोग के लिए मार्गदर्शन सहित अपेक्षाएँ

(आइएसओ 46001: 2019 का अंगीकरण संशोधन संख्या १ के साथ)

Draft Indian Standard

Water Efficiency Management Systems — Requirements with guidance for use

(Adoption of ISO 46001 : 2019 with amendment no. 1)

ICS No. 03.100.70, 13.060.01

Environmental Services Sectional Committee, EED 05	Last Date of Comments:

NATIONAL FOREWORD

(Formal clauses to be added later)

Water resources are experiencing stress due to the increased water demand as well as impacts of climate change. Water is a significant commodity for many organizations for a variety of purposes. The pressures on organizations to implement water efficiency programs can arise from limited water resources and exist particularly in resource exploitative activities. This standard is adopted to enable organizations to assess and account for their water use, and to identify, plan and implement measures to achieve water savings through the systematic management of water.

This standard provides requirements of an organization for efficient management of water being used by them. Using this standard, an organization can develop and implement a water efficiency policy through the establishment of objectives, targets, action plans, monitoring, benchmarking, and review programs. The standard is intended to be applied flexibly as per the specific requirements of the organization, including the complexity of its system, the degree of documentation and available resources.

The text of ISO Standard may be 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' appear 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.

In this adopted standard, reference appears to certain International Standards for which Indian Standard also exists. The corresponding Indian Standard, which is to be substituted in its place, is listed below along with its degree of equivalence for editions indicated:

International Standard	*Corresponding Indian Standard*	*Degree of Equivalence*
ISO 24513 ~~: 2019~~ Service activities relating to drinking water supply, wastewater and stormwater systems — Vocabulary	IS 18188 : 2023 Service Activities Relating to Drinking Water Supply Wastewater and Stormwater Systems Vocabulary	Indigenous

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 2022 'Rules for rounding off numerical values (*second revision*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

'FOR COMPLETE TEXT OF THE DOCUMENT, KINDLY REFER ISO 46001 : 2019'

The technical content of document has not been enclosed as these are identical with the corresponding standard. For details please refer to ISO 46001 : 2019 or kindly contact:

Scientist-E & Head
Environment and Ecology Department
Bureau of Indian Standards
Room no: 305, Manakalaya
9 Manak Bhawan, Bahadur Shah Zafar Marg
New Delhi – 110002
Tel: 011-23239389
Email: enviro@bis.gov.in

Scope

This document specifies requirements and contains guidance for its use in establishing, implementing and maintaining a water efficiency management system. It is applicable to organizations of all types and sizes that use water. It is focused on end-use consumers.

This document is applicable to any organization that wishes to:

a) achieve the efficient use of water through the ‘reduce, replace or reuse’ approach;

b) establish, implement and maintain water efficiency;

c) continually improve water efficiency.

This document specifies requirements and contains guidance for its use regarding organizational water use. It includes monitoring, measurement, documentation, reporting, design and procurement practices for equipment, systems, processes and personnel training that contribute to water efficiency management.

NOTE 1 ‘Reduce’ includes the use of water-efficient fittings and equipment and, for example, putting in place a proper monitoring system for usage and leak detection.

NOTE 2 ‘Replace’ includes substitution of drinking water with reclaimed water, sea water and rainwater wherever feasible.

NOTE 3 ‘Reuse’ includes recycling of, for example, process water or grey water. For utilizing water reuse systems, ISO/TC 282 documents can be referred to as guidelines.

NOTE 4 Guidance in the annexes provides additional practical information to support implementation. Annex A provides guidance on the use of this document and Annex B gives examples of scenarios in water efficiency.