***भारतीय मानक***

***Indian Standard***

 **IS XXXX : 2024**

**ISO 22447 : 2019**

**Doc: CHD/32/23896/F**

***औद्योगिक अपशिष्ट जल वर्गीकरण***

**Industrial Wastewater Classification**

ICS 13.030.20

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भारतीय मानक ब्यूरो

BUREAU OF INDIAN STANDARDS

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**June 2024 Price Group X**

Environment Protection Sectional Committee, CHD 32

NATIONAL FOREWORD

This Indian Standard, which is identical with ISO 22447 ‘Industrial wastewater classification’ issued by the International Organization for Standardization (ISO), was adopted by the Bureau of Indian Standards on the recommendation of the Environment Protection Sectional Committee and approval of the Chemical Division Council.

This document specifies the principles, categories, and codes for the classification of industrial wastewater and is applicable to all types and sources of industrial wastewater. It provides a broad framework classifying industrial wastewater into different categories based on industry type and the associated water quality constituents, namely physical, chemical and biological characteristics with a specific code assigned based on both industry type and waste-stream classification.

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

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

Textual Error — When adopting the text of the International Standard, the textual error given below was discovered. It has been marked in the text:

|  |  |
| --- | --- |
| *Error* | *Correction* |
| An exception is when m = 9, the number may be rounded as 10 × 10n, in this case, instead of writing it as 10n, it should be written as 1(n + 1), for example, 9,875 should be written as 11.  | An exception is when m = 9, the number may be rounded as 10 × 10n, in this case, instead of writing it as 10n, it should be written as 1(n + 1), for example, 9,875 should be written as 14.  |

In this adopted standard, reference appears to certain International Standards where the standard atmospheric conditions to be observed are stipulated which are not applicable to tropical/subtropical countries. The applicable standard atmospheric conditions for Indian conditions are (27 ± 2) °C and (65 ± 5) percent, relative humidity and shall be observed while using this standard.

In reporting the result of a test or analysis made in accordance with this standard if the final value, observed or calculated, is to be rounded off, it shall be done in accordance with IS 2 : 2022 ‘Rules for rounding off numerical values (*second revision*).