

BUREAU OF INDIAN STANDARDS

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Draft Indian Standard

**Nuclear Energy, Nuclear Technologies, and Radiological
Protection — Vocabulary**

Part 3: Nuclear Installations, Processes and Technologies

(ICS 13.280, 01.040.13, 01.040.27, 27.120.01)

Nuclear Energy for Peaceful Applications
Sectional Committee, CHD 30

Last Date for Comments : 16 September 2025

Nuclear Energy for Peaceful Applications Sectional Committee, CHD 30

NATIONAL FOREWORD

(Formal clause will be added later)

Under the general title ‘Nuclear Energy, Nuclear Technologies, and Radiological Protection — Vocabulary’ this Indian standard is being published in several other parts. This part is an adoption of ISO 12749-3 : 2024 which specifies the terminology related to standards for the planning, design, construction, operation, and decommissioning of installations and technologies involving radioactive materials. Key vocabulary includes fuel cycle, nuclear criticality safety, analytical methodologies, transport of radioactive materials, materials characterization, waste management, and decommissioning.

This Indian Standard is published in several parts. The other parts in this series are:

Part 1 General Terminology

Part 2 Radiological Protection

Part 4 Dosimetry for Radiation Processing

Part 5 Nuclear Reactors

Part 6 Nuclear Medicine

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:

- 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 in the International Standard, 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/documents 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 $(27 \pm 2) ^\circ\text{C}$ 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*)'.

FOR COMPLETE TEXT OF THE DOCUMENT, KINDLY REFER ISO 12749-3: 2024

Note: The technical content of the document has not been enclosed as these are identical with the corresponding ISO Standard. For obtaining the copy of the complete ISO Standard, please contact:

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