

BUREAU OF INDIAN STANDARDS

DRAFT FOR COMMENTS ONLY

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Draft Indian Standard

**Environmental management systems — Guidelines for
incorporating material circulation in design and development**

भारतीय मानक मसौदा

**पर्यावरणीय प्रबंधन पद्धतियाँ — डिजाइन और विकास में सामग्री परिसंचरण को
शामिल करने के लिए दिशानिर्देश**

ICS 03.100.70; 13.020.10

Environmental Management Sectional Committee, CHD 34

Last date for Comments: 25-11-2023

NATIONAL FOREWORD

(Formal clauses shall be added later)

This standard gives guidelines for assisting organizations in establishing, documenting, implementing, maintaining and continually improving material circulation in their design and development in a systematic manner, using an environmental management system (EMS) framework.

This standard provides guidelines for design strategies on material circulation to achieve the material efficiency objectives of an organization, by focusing on the following aspects:

- type and quantity of materials in products;
- product lifetime extension;
- recovery of products, parts and materials.

In design and development, many aspects are considered, such as safety, energy efficiency, performance and cost. Although important, they are not addressed in this document.

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.