

BUREAU OF INDIAN STANDARDS

DRAFT FOR COMMENTS ONLY

(Not to be reproduced without permission of BIS or used as an Indian Standard)

भारतीय मानक मसौदा
दंत चिकित्सा — मोबाइल दंत चिकित्सा यूनिट्स और दंत रोगी
कुर्सियाँ
भाग 1 सामान्य आवश्यकताएँ

Draft Indian Standard
Dentistry — Mobile Dental Units and Dental Patient Chairs
Part 1 General Requirements

ICS 11.060.20

Dentistry Sectional Committee, MHD 08

Last date for comments: 05 April 2024

NATIONAL FOREWORD

(Adoption clause will be added later)

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:

- Wherever the words 'International Standard' appear referring to this standard, they should be read as 'Indian Standard'
- 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 Standards also exist. The corresponding Indian Standards which are to be substituted in their respective places are listed below along with their degree of equivalence for the editions indicated:

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO 1942, Dentistry Vocabulary	— IS 17895: 2023/ ISO 1942: 2020, Dentistry Vocabulary	Identical
ISO 4073, Dentistry Information system on the location of dental equipment in	— IS 10798: 2019/ ISO 4073: 2009, Dentistry - Information system on the location of dental	Identical

the working area of the oral health care provider equipment in the working area of the oral health care provider
(*First Revision*)

ISO 5467-2, Dentistry — Mobile dental units and dental patient chairs — Part 2: Air, water, suction and wastewater systems MHD/08/24104, Dentistry — Mobile dental units and dental patient chairs — Part 2: Air, water, suction and wastewater systems Identical

ISO 7494-1:2018, Dentistry — Stationary dental units and dental patient chairs — Part 1: General requirements IS 6116 (Part 1) : 2021/ISO 7494-1 : 2018, Dentistry — Stationary Dental Units and Dental Patient Chairs Part 1 General Requirements (*Second Revision*) Identical

IEC 60601-1: 2005 + AMD 1: 2012 + AMD 2: 2020, Medical electrical equipment — Part 1: General requirements for basic safety and essential performance MHD/15/22648, Medical electrical equipment — Part 1: General requirements for basic safety and essential performance Modified/Technically Equivalent

The technical committee has reviewed the provisions of the following International Standards referred in this adopted standard and has decided that they are acceptable for use in conjunction with this standard:

<i>International Standard</i>	<i>Title</i>
ISO 23402-1:2020	Dentistry — Portable dental equipment for use in non-permanent healthcare environment — Part 1: General requirements
IEC 80601-2-60:2019	Medical electrical equipment — Part 2-60: Particular requirements for the basic safety and essential performance of dental equipment

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 shall be rounded off in accordance with IS 2: 2022 ‘Rules for rounding off numerical values (*second revision*)’.

This standard also makes a reference to the BIS Certification Marking of the product. Details of which is given in National Annex A.

NATIONAL ANNEX A
(National Foreword)

A-1 BIS CERTIFICATION MARKING

The product(s) conforming to the requirements of this standard may be certified as per the conformity assessment schemes under the provisions of the *Bureau of Indian Standards Act, 2016* and the Rules and Regulations framed thereunder, and the product(s) may be marked with the Standard Mark.

Scope

This document specifies the requirements and test methods for mobile dental units and dental patient chairs that is intended to be used within a permanent healthcare facility regardless of whether they are or not electrically powered.

This document also specifies the requirements for the instructions for use, for the technical description, for marking and for packaging.

Operator's stools, stationary dental equipment, other types of mobile dental equipment, portable dental equipment and operating lights are not in the scope of this document.

The technical content of the document has not been enclosed as it is identical with the corresponding ISO standard. For details, please refer to ISO 5467-1:2022 or kindly contact:

Head
Medical Equipment and Hospital Planning Department
Bureau of Indian Standards
9 Bahadur Shah Zafar Marg
New Delhi-110002
Email: mhd@bis.gov.in
hmhd@bis.gov.in