

BUREAU OF INDIAN STANDARDS

Program of Work

CED 12 : Functional Requirements In Buildings

Scope: STANDARDIZATION IN THE FIELD OF FUNCTIONAL REQUIREMENTS IN BUILDINGS: a) FROM COMFORT POINT OF VIEW, SUCH AS SPACE DISTRIBUTION, ORIENTATION, DAY-LIGHTING, VENTILATION, ACOUSTICS AND THERMAL COMFORTS; b) FROM HEALTH AND SAFETY POINT OF VIEW; c) FROM THE POINT OF VIEW OF ACCESSIBILITY FOR PERSONS WITH DISABILITY; AND d) FROM THE POINT OF VIEW OF ENERGY REQUIREMENTS.

Liaison: **ISO TC-43 (O): Acoustics ISO TC-43 SC-2 (O): Building acoustics ISO TC-59 SC-16 (O): Accessibility and usability of the built environment**

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 11050 (Part 1) : 2023 ISO 717-1: 2020 ISO 717-1: 2020	Rating of Sound Insulation in Buildings and of Building Elements: Part 1 Airborne Sound Insulation (First Revision)		-	Identical under dual numbering
2	IS 11050 (Part 2) : 2023 ISO 717-2: 2020 ISO 717-2: 2020	Rating of Sound Insulation in Buildings and of Building Elements: Part 2 Impact Sound Insulation (First Revision)		-	Identical under dual numbering
3	IS 11907 : 1986 Reviewed In : 2022	Recommendations for calculation of solar radiation on buildings	January, 2022	-	Indigenous
4	IS 12332 : 1988 Reviewed In : 2023	Code of practice for ventilation in petrochemical plants and refineries	November, 2023	-	
5	IS 13735 : 2023 ISO 8201: 2017 ISO 8201: 2017	Audible Emergency Evacuation Signal Requirements (First Revision)		-	Identical under dual numbering
6	IS 1950 : 1962 Reviewed In : 2020	Code of practice for sound insulation of non - Industrial buildings	August, 2020	1	Indigenous
7	IS 2440 : 1975 Reviewed In : 2023	GUIDE FOR DAYLIGHTING OF BUILDINGS (Second Revision)	November, 2023	-	Indigenous
8	IS 2526 : 1963 Reviewed In : 2020	Code of practice for acoustical design of auditoriums and conference halls	August, 2020	1	Indigenous
9	IS 3103 : 1975 Reviewed In : 2023	Code of Practice for Industrial Ventilation (First Revision)	November, 2023	-	
10	SP 32 : 1986	Handbook on Functional Requirements of Industrial Buildings (Lighting and Ventilation)		-	
11	IS 3362 : 1977 Reviewed In : 2023	Code of Practice for Natural Ventilation of Residential Buildings (First Revision)	November, 2023	-	

12	IS 3483 : 1965 Reviewed In : 2020	Code of Practice for Noise Reduction in Industrial Buildings	August, 2020	-	
13	IS 3792 : 1978 Reviewed In : 2023	Guide for Heat Insulation of Non-industrial Buildings (First Revision)	November, 2023	-	
14	SP 41 : 1987	Handbook on functional requirements of buildings (Other Than Industrial Buildings)		-	Indigenous
15	IS 4954 : 1968 Reviewed In : 2020	Recommendations for noise abatement in town planning	August, 2020	-	Indigenous
16	IS 4963 : 1987 Reviewed In : 2020	Recommendations for Buildings and Facilities for the Physically Handicapped (First Revision)	August, 2020	-	
17	IS 5499 : 1969 Reviewed In : 2023	Code of practice for construction of underground air - Raid shelters in natural soil	November, 2023	-	Indigenous
18	IS 6060 : 1971 Reviewed In : 2023	Code of practice for daylighting of factory buildings	November, 2023	-	Indigenous
19	IS 6074 : 1971 Reviewed In : 2020	Code of Practice for Functional Requirements of hotels, restaurants and other food service establishments	August, 2020	2	
20	IS 6074 : 1971 Reviewed In : 2015	Code of Practice for Functional Requirements of hotels, restaurants and other food service establishments (Bilingual)	August, 2015	2	Indigenous
21	IS 7662 (Part 1) : 1974 Reviewed In : 2023	Recommendations for orientation of buildings: Part 1 nonindustrial buildings	November, 2023	-	Indigenous
22	IS 7942 : 1976 Reviewed In : 2023	Code of practice for daylighting of educational buildings	November, 2023	-	Indigenous
23	IS 8827 : 1978 Reviewed In : 2020	Recommendations for basic requirements of school buildings	August, 2020	-	Indigenous
24	IS 9736 : 1981 Reviewed In : 2020	Glossary of terms applicable to acoustics in buildings	August, 2020	-	
25	IS 9901 (Part 1) : 1981 Reviewed In : 2019 ISO 10140	Measurement of sound insulation in buildings and of building elements: Part 1 requirements for laboratories	December, 2019	-	Modified/Technically Equivalent
26	IS 9901 (Part 2) : 1981 Reviewed In : 2019 ISO 10140 : Part 2	Measurement of sound insulation in buildings and of building elements: Part 2 statement of precision requirements	December, 2019	-	Modified/Technically Equivalent
27	IS 9901 (Part 3) : 1981 Reviewed In : 2019 ISO 10140 : Part 3	Measurement of sound insulation in buildings and of building elements: Part 3 laboratory measurements of airborne sound insulation of building elements	December, 2019	-	Modified/Technically Equivalent
28	IS 9901 (Part 4) : 1981 Reviewed In : 2019 ISO 10140 : Part 4	Measurement of sound insulation in buildings and of building elements: Part 4 field measurements of airborne sound insulation between rooms	December, 2019	-	Modified/Technically Equivalent
29	IS 9901 (Part 5) : 1981 Reviewed In : 2019 ISO 10140 : Part 5	Measurement of sound insulation in buildings and of building elements: Part 5 field measurements of airborne sound insulation of facade elements and facades	December, 2019	-	Modified/Technically Equivalent

30	IS 9901 (Part 6) : 1981 Reviewed In : 2019 ISO 10140 : Part 6	Measurement of sound insulation in buildings of building elements: Part 6 laboratory measurements of sound insulation of floors	December, 2019	-	Modified/Technically Equivalent
31	IS 9901 (Part 7) : 1981 Reviewed In : 2019 ISO 10140 : Part 7	Measurement of sound insulation in buildings and of building elements: Part 7 field measurements of impact sound insulation of floors	December, 2019	-	Modified/Technically Equivalent
32	IS 9901 (Part 8) : 1981 Reviewed In : 2019 ISO 10140 : Part 8	Measurement of sound insulation in buildings and of building elements: Part 8 laboratory measurements of the reduction of transmitted impact noise by floor coverings on a standard floor	December, 2019	-	Modified/Technically Equivalent
33	IS 9901 (Part 9) : 1986 Reviewed In : 2019 ISO 10140 : Part 9	Measurement of Sound Insulation in Buildings and of Building Elements: Part 9 Laboratory Measurement of Room-to-Room Airborne Sound Insulation of a Suspended Ceiling with a Plenum Above it	December, 2019	-	Modified/Technically Equivalent

Standards under Development

Projects Approved

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Preliminary Draft Standards

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Drafts Standards in WC Stage

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Finalized Draft Indian Standard

SI. No.	Doc No.	Title
1	CED 12 (25127)	Acoustics Determination of acoustic properties in impedance tubes Part 1 Method using standing wave ratio

Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
1	CED 12 (22230) Revision of: IS 4963:1987	Requirement for accessibility in built environment for older adults and persons with disabilities Second Revision
2	CED 12 (24676) Revision	Glossary of terms applicable to acoustics in buildings first revision

	of: IS 9736:1981	
3	CED 12 (25128)	Acoustics Determination of acoustic properties in impedance tubes Part 2 Two-microphone technique for normal sound absorption coefficient and normal surface impedance

Total Published Standards:33 Total Standards Under development:4

Aspect Wise Report

Product : 1
 Code of Practices : 20
 Methods of Test : 11
 Terminology : 1
 Dimensions : 0
 System Standard : 0
 Safety Standard : 0
 Others : 0
 Service Specification : 0
 Process Specification : 0
 Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title
1	IS 11050 (Part 3) : 1984 ISO 717-3 Reviewed In : 2022 ISO 717-1:1982	Rating of sound insulation in buildings and of building elements Part 3 airborne sound insulation of facade elements and facades
2	IS 1256 : 1967	Code of Practice for Building Byelaws

Annexure-II :List of Indian Product Standards

SI. No.	IS No. & Year	Title
1	IS 13735 : 2023 ISO 8201: 2017	Audible Emergency Evacuation Signal Requirements First Revision