



**उत्पाद मैनुअल
टेबल्स और डिस्कस
आई एस 17633:2022 के अनुसार**

**PRODUCT MANUAL
TABLES AND DESKS
ACCORDING TO IS 17633:2022**

विभिन्न उत्पादों के लिए भारतीय मानक ब्यूरो) अनुरूपता मूल्यांकन (विनियम, 2018 की योजना -I के तहत प्रमाणन के संचालन में एकरूपता और पारदर्शिता के लिए इस उत्पाद मैनुअल का उपयोग सभी क्षेत्रीय / शाखा कार्यालयों और लाइसेंसधारियों द्वारा संदर्भ सामग्री के रूप में किया जाएगा। दस्तावेज़ का उपयोग बीआईएस प्रमाणन प्राप्त करने के इच्छुक संभावित आवेदकों द्वारा भी किया जा सकता है।

This Product Manual shall be used as reference material by all Regional/Branch Offices & licensees to ensure uniformity of practice and transparency in operation of certification under Scheme-I of Bureau of Indian Standards (Conformity Assessment) Regulations, 2018 for various products. The document may also be used by prospective applicants desirous of obtaining BIS certification.

1.	मानक संख्या IS No.	:	IS 17633 : 2022
	शीर्षक Title	:	Tables and Desks
	संशोधनों की संख्या No. of amendments	:	1
2.	नमूना दिशानिर्देश Sampling Guidelines		
a)	कच्चा माल Raw material	:	All types of rigid surface, which shall be tested for the requirements mentioned at Clause 6 of IS 17633, shall qualify the minimum performance ratings specified in IS 17637. Note: This section indicates the requirements for raw material (if specified in the IS) for which compliance is to be established during Grant of Licence/Change in Scope of Licence/ Factory Surveillance
b)	समूहीकरण दिशानिर्देश Grouping Guidelines	:	Please refer to Annex-A
c)	नमूने का परिमाण Sample Quantity	:	<ul style="list-style-type: none"> 2 Tables and Desks – For Dimensional and Safety requirements (clause 4, 5 & 7) Note: This section indicates the quantity of the sample of the product and/or the raw material (if applicable), required to be sent to the laboratory for testing, for the purpose of Grant of Licence/Change in Scope of Licence/ Factory Surveillance (in case of market surveillance, effort may be made to procure the required quantity of product sample,

			as far as possible since raw material sample may not be available in market)
d)	परीक्षण अनुरोध में घोषित किए जाने वाले पैरामीटर Parameters to be Declared in Test Request		<ul style="list-style-type: none"> - Same as the scope of licence - Drawing and technical specification of the concerned model(s) of the chair drawn
3.	परीक्षण उपकरणों की सूची List of Test Equipment	:	Please refer to Annex-B
4.	निरीक्षण और परीक्षण की स्कीम Scheme of Inspection and Testing	:	Please refer to Annex-C
5.	एक दिन में संभावित परीक्षण Possible tests in a day		
	(i) Design and Workmanship (Cl 4) (ii) Dimensions (Cl 5) (iii) Stability test and Strength test (Cl 7.2 & 7.3) Note: This section is for the guidance of BIS Certification Officers/Technical Auditors of BIS Authorized Outside Surveillance Agencies (OSAs) during factory inspection to provide readyreference regarding the tests which can be witnessed during the inspection in the factory by the officer/auditor.		
6.	लाइसेंस का दायरा /Scope of the Licence:		
	“Licence is granted to use Standard Mark as per IS 17633:2022 with the following scope:		
	Name of the product	Tables and Desks	
	Performance Category	Office Tables / Domestic Tables	
	Model (by name/number/code)	1 st Family : xxxxxxxx	
		Lead Model Name (variant): xxxxx,	
		Other Model Names (variants) of the same Family : xxxx, xxxx	
		1 st Family : xxxxxxxx	
		Lead Model Name (variant): xxxxx,	
		Other Model Names (variants) of the same Family : xxxx, xxxx	

ANNEX A

Grouping Guidelines

1. IS 17633:2022 covers the requirements relating to the performance and safety of tables and desks. The Standard applies to completely manufactured/ fabricated tables and desks as well as ready-to-assemble units. The model shall be declared by the manufacturer.

2. Tables and Desks covered in IS 17633:2022 are classified as follows :
 - (a) Performance Category:
 - Office Tables (office work areas, meeting tables, pantry tables, etc.),
 - Domestic Tables (use for bedroom, living room, study uses and other domestic uses, etc.)

 - (b) Model Name

3. **Family of models and Lead model in a family:**
 - (a) The manufacturer shall declare all the model names (variants) of the tables and desks along with following essential parameters of each model name:
 - (i) Performance Category: Office Tables / Domestic Tables

 - (ii) Construction of tables and desks :
 - With castors / Without castors
 - Fixed height / adjustable heights

 - (b) The manufacturer shall also provide the drawing and technical specifications of each Model Name (variant). The drawing shall include the essential parameters defined at 3(a) above and, the information w.r.t. the availability of extension elements, material of the load bearing components of table/desk and overall dimensions.

 - (c) The manufacturer shall identify the **Family of Models (variants)** and declare the name of the **Lead Model** in each Family along with the names of the other models (variants) to be covered in that Family. A **Family of Models (variants)** is defined as a group of models (variants) having same essential parameters as defined at Serial 3 (a) above as that of the declared Lead Model.

The **Lead Model (variant)** in a family of models shall incorporate the maximum number of components so that maximum test parameters as given in the Standard can be tested; and it shall be the most adverse model in that family in terms of safety requirements, design and construction, material of the load bearing components, maximum length, width, height, thickness, etc.

The manufacturer shall provide **justification** for covering the various models under the same Family as well as for selection of the Lead Model.

BO shall review the justification provided as above and shall ensure that the selection of the lead model within the family of models is appropriate.

4. For GoL/CSoL of tables and desks, the grouping guidelines as given below are to be followed:
 - (a) Sample of the declared Lead model of a family of models of tables and desks shall be tested to cover all the models in that family of tables and desks without separate testing of those models.
5. The Firm shall declare the varieties (i.e. performance category and models) of tables and desks they intend to cover in the Licence. The Scope of Licence may be restricted based on the Manufacturing and Testing capabilities of the Manufacturer.
6. During operation of the licence if new models (variants) are intended to be covered within the existing families of lead models (variants) that are already covered in the scope of licence, firm shall submit the details as per para (2) above along with the drawings, technical specification and justification for coverage within the same Family as well as the adversity of model(s) with respect to the tested Lead Model. On receipt of the details, BO shall review the request of the firm and take action as per para 2(c) for inclusion of these new models (variants). In case, BO is satisfied that the adversity of the models proposed to be included is lesser than the tested lead model then the endorsement shall be issued accordingly, and there is no requirement to collect charges towards inclusion. However, if there is change in the lead model in the same family or a new Family of models is proposed to be included, then such cases shall be processed as per the Regulation 10 of Scheme-I of Schedule-II of BIS (Conformity Assessment) Regulations, 2018.
7. During the operation of the Licence, BO shall ensure that all the models covered in the Licence are tested in rotation, to the extent possible.

ANNEX B

List of Test Equipment

(INDICATIVE LIST, FOR GUIDANCE ONLY)

Sl. No.	Tests used in with Clause Reference	Test Equipment
1	Dimensions (clause 5)	<ul style="list-style-type: none"> - Micrometer, Vernier caliper - Measuring tape - Steel scale - Angle protractor
2	Surface Performance (Tests on rigid surfaces of materials)	
	Resistance to mechanical damage	- As per IS 17641:2021, or, as per Annex B-2 of IS 17637:2021
	Pencil hardness	- as per Annex C-1 of IS 17637:2021
	Resistance to wet heat	- Air conditioner, humidifier & hygrometer - as per Clause 5 of IS 17639:2021
	Resistance to dry heat	- as per Clause 5 of IS 17638:2021
	Resistance to marking by cold liquids	- as per Clause 3 of IS 17640:2021
	Resistance to marking by cold oils and fats	- as per Clause 3 of IS 17640:2021
	Adhesive performance	- as per Annex D-2 of IS 17637:2021
Tests on Furniture -		
4	Stability test (Clause 7.2)	<ul style="list-style-type: none"> - Floor surface as per Clause B-2 of IS 17633 - Stops as per Clause B-3 of IS 17633 - Loading Pad as per Clause B-4 of IS 17633 - Masses as per Clause B-5 of IS 17633 - Polyurethane Foam as per Clause B-6 of IS 17633 - Vertical Impactor as per Clause B-7 of IS 17633
5	Strength test (Clause 7.3)	
6	Durability test (Clause 7.4)	
7	Durability and Stiffness Under Horizontal Force (Clause 7.5)	
8	Vertical Impact Test (Clause 7.6)	
9	Deflection of Table Tops (Clause 7.7)	
10	Durability of Tables with Castors (Clause 7.8)	
11	Drop Test (Clause 7.9)	

ANNEX C

SCHEME OF INSPECTION AND TESTING

1. QUALITY ASSURANCE PLAN

1.1 It is expected that during operation of BIS licence, manufacturers will implement a Quality Assurance Plan (QAP) i.e. a plan of regular testing and in-process controls, designed to ensure that the product bearing the Standard Mark conforms to all requirements of the Indian Standard.

1.2 The manufacturers shall define a Quality Assurance Plan (QAP) defining the control unit (i.e. lot/batch etc.), the levels of control (i.e. the frequency and number of samples for conducting the different tests as per the Indian Standard) and declare the arrangement for testing i.e. whether in-house or subcontracting/sharing for each applicable test and submit the same to BIS Branch Office for information. The manufacturer shall comply with the QAP and maintain test records in accordance with para 2.1.

1.3 RECOMMENDED LEVELS OF CONTROL/CONTROL UNIT:

1.3.1 For the guidance of manufacturers, the recommended definition of control unit is : All Tables and desks of same family of models, manufactured in a month shall constitute a control unit.

1.3.2 For the guidance of manufacturers in preparing the Quality Assurance Plan, recommended levels of control are given in **Table 1**. Manufacturer has the discretion of declaring their own levels of control or accept the levels of control given in this document.

1.3.3 The manufacturer shall ensure inspection and testing as per the Quality Assurance Plan submitted by them on the whole production of the factory which is covered by this plan.

2. ENSURING COMPLIANCE THROUGH TESTING- manufacturers shall ensure compliance of their products to all the requirements of the Indian Standard for which they may have in-house test facilities. However, there is no obligation to maintain in-house laboratory. Licensee may use alternative arrangements for tests of the production as per the declared QAP. Various alternatives are available for operation of BIS certification as given below and the relevant guidelines for availing such relaxations by the manufacturers, as amended from time to time, are to be referred :

- i) Shared testing resources like common facility,
- ii) Cluster based testing facility,
- iii) Sub-contracting to outside laboratories which may either be:
 - a) BIS recognised/empanelled laboratories, or
 - b) Any accredited laboratory as per ISO/IEC 17025

2.1 TEST RECORDS- The manufacturers shall maintain test records for the tests carried out (either in-house or at a sub-contracted or at shared test facility) to establish conformity of the product to the Standard for operation of licence. For the tests being subcontracted or conducted at a shared

test facility, test results issued by the laboratories or test facilities, shall be made available for inspection by BIS.

3. PACKING AND MARKING - The Standard Mark as given in the Schedule of the licence shall be incorporated legibly and indelibly on each table/desk provided always that the material so marked conforms to each requirement of the specification.

3.1 Marking shall be done as per Clause No 9 of IS 17633:2022. Additionally, name of the model (variant) shall also be marked on the product.

3.2 **Additional Marking requirements:** Additionally, the following shall also be marked on product or package :

a) “For BIS certification details please visit www.bis.gov.in”

4. REJECTION - The production which conforms to the Indian Standard and covered under the scope of this licence shall be marked with the Standard Mark. Disposal of non-conforming product shall be done in such a way so as to ensure that there is no violation of provisions of BIS Act,2016.

TABLE 1*(Recommended Levels of Control by BIS- for Guidance Only)*

(1)				(2)		
Test Details				Levels of Control		
Cl.	Requirement	Test Methods		No. of Sample	Frequency	Remarks
		Clause	Reference			
4	Design and workmanship	4	IS 17633	Firm to have adequate in-process controls to check compliance of this parameter as per the tolerances given in the Indian Standard. However, appropriate records shall be maintained by the manufacturer for evidence of conformity.		
5	Dimensions	-	IS 3663, or as declared			
6	Surface performance requirements (of materials)					
	Rigid Surfaces	-	IS 17637	One	Each Consignment	No further testing is required if accompanied with test certificate or ISI marked. If the raw material has already been tested for the applicable requirements mentioned above, then no re-testing shall be carried out with the final product.
7	SAFETY REQUIREMENTS					
7.2	Stability Test					
	Stability Under Vertical Load - (i) Test for tables that can be set to a height of 950 mm or less (ii) Test for Tables that can be set to a height greater than 950 mm	7.2.1	IS 17633	One	Each control unit	-

	Stability with Extension Elements Open	7.2.2				
	Stability Under Horizontal Load - (i)Test for tables that can be set to a height of 950 mm or less (ii) Test for tables with height greater than 950 mm	7.2.3				
7.3	Strength Tests					
	Strength under Vertical Static Force (CI 7.3.1)		IS 17633	One	Each control unit	-
	Stated load	7.3.1.1				
	For occasional heavy loads	7.3.1.2				
	Strength under horizontal static force	7.3.2				
7.4	Durability Tests					
	Durability under Vertical Force	7.4.1	IS 17633	One	Each lead model produced during the period shall be tested in rotation so that all the lead models are tested in a period of three years	
	Durability of the Height Adjustment Mechanism	7.4.2				
7.5	Durability and Stiffness Under Horizontal Force					
	General	7.5.1	IS 17633	One	Each lead model produced during the period shall be tested in rotation so that all the lead models are tested in a period of three years	
	Durability under Horizontal Force	7.5.2				
	Stiffness of the Structure Under Horizontal Force	7.5.3				
	Vertical Impact Test					
	General	7.6.1				

7.6	Vertical Impact Test for Glass Table Tops	7.6.2	IS 17633	One	Each control unit	-
	Vertical Impact Test for All Other Table Tops	7.6.3				
7.7	Deflection of Table Tops	7.7	IS 17633	One	Each control unit	-
7.8	Durability of Tables with Castors	7.8	IS 17633	One	Each lead model produced during the period shall be tested in rotation so that all the lead models are tested in a period of three years	
7.9	Drop Test	7.9	IS 17633	One	Each control unit	-

Note-1: All the safety tests mentioned in clause 7 of IS 17633:2022 shall be carried out on samples from same lot.