



**PRODUCT MANUAL FOR
BED MATTRESS
ACCORDING TO IS 13489:2000**

This Product Manual shall be used as reference material by all Regional/Branch Offices & licensees to ensure coherence 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 licence/certificate.

1.	Product	:	IS 13489:2000
	Title	:	TEXTILES - BED MATTRESS
	No. of Amendments	:	Nil
2.	Sampling Guidelines:		
a)	Raw material	:	Shall be as per Clause 4 of IS 13489:2000
b)	Grouping guidelines	:	For covering Type 1 and Type 2 in the scope of license, a sample of each Type may be drawn for testing
c)	Sample Size	:	1 no.
3.	List of Test Equipment	:	Please refer ANNEX – <u>A</u>
4.	Scheme of Inspection and Testing	:	Please refer ANNEX – <u>B</u>
5.	Possible tests in a day : Dimensions (Cl. 5) and Manufacture (Cl. 6)		
6.	Scope of the Licence :		
	Licence is granted to use Standard Mark on Bed Mattress as per IS 13489:2000 with the following scope:		
	Name of the product	BED MATTRESS	
	Type	Type 1 or Type 2	

ANNEX A

List of Test Equipment

Major test equipment required to test as per the Indian Standard

Sl. No.	Tests used in with Clause Reference	Test Equipment
1	Clause no. 5.2 and 6 of IS 13489:2000	Vernier Calliper Measuring Stainless steel Scale Measuring tape Inspection table
2	Cl. 6.3 of IS 13489:2000	Magnifying Glass (10X)

The above list is indicative only and may not be treated as exhaustive.

ANNEX B

**SCHEME OF INSPECTION AND TESTING
For BED MATTRESS according to IS 13489:2000**

1. LABORATORY - A laboratory shall be maintained which shall be suitably equipped (as per the requirement given in column 2 of Table 1) and staffed, where different tests given in the specification shall be carried out in accordance with the methods given in the specification.

1.1 The manufacturer shall prepare a calibration plan for the test equipments.

2. TEST RECORDS –The manufacturer shall maintain test records for the tests carried out to establish conformity.

3. PACKING AND MARKING– The Standard Mark as given in the Schedule of the shall be incorporated indelibly on each bed mattress, provided always that the mattress to which this mark is applied conforms to every requirement of the specification. In addition to the Standard Mark, the following information shall be clearly and indelibly marked on each bed mattress:-

- a) Manufacturer's name and address,
- b) Type,
- c) Dimensions,
- d) Type of cushioning material used (Note: In case of more than one material is used for cushioning, thickness and grade of each shall be indicated separately)
- e) Order of layering of cushion material for Type 2 mattress
- f) Batch No. and Date of Manufacturing
- a) Other information stipulated in the contract/order

3.1 Packing of bed mattresses and marking of the packages/bales shall be done as per Packing Clause of the Indian Standard (CI .8).

4. CONTROL UNIT – For the purpose of this Scheme, all mattresses of same type and size produced from the same lot of raw material manufactured in a day shall constitute a control unit.

5. LEVELS OF CONTROL - The tests as indicated in column 1 of Table 1 and the levels of control in column 3 of Table 1, shall be carried out on the whole production of the factory which is covered by this plan and appropriate records maintained in accordance with paragraph 2 above.

5.1 All the production which conforms to the Indian Standards and covered by the licence should be marked with Standard Mark.

6. REJECTIONS–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. A separate record shall be maintained giving information relating to the rejection of the production not conforming to the requirements of specification and the method of its disposal. Such material shall in no case be stored together with that conforming to the Specification. The Standard Mark (if already applied) on rejected material shall be defaced.

TABLE 1
Levels of Control
(para 5.0 of the Scheme of Inspection and Testing)

(1)				(2)	(3)		
Test Details				Test equipment requirement R: required (or) S: Sub-contracting permitted	Levels of Control		
Cl.	Requirement	Test Methods Clause Reference			No. of Sample	Frequency	Remarks
4	Material	4, Table1	IS 13489	S		Each consignment of material	No testing is required, if the material is ISI marked or received with test certificates indicating conformity to the specification
5	Dimensions	5.1 and 5.2	IS 13489	R	Each mattress		-
6	Manufacture	6.1 to 6.5	IS 13489	R	One mattress	Each Control Unit	-
7	Marking	7.1 to 7.2	IS 13489	R	Each mattress	-	-
8	Packing	8.1, 8.2	IS 13489	R	Each package/bale	- -	When so specified in the contract or order

Note-1: Sub-contracting is permitted to a laboratory recognized by the Bureau or Government laboratories empanelled by the Bureau.

Note-2: Levels of control given in column 3 are only recommendatory in nature. The manufacturer may define the control unit/batch/lot and submit his own levels of control in column 3 with proper justification for approval by BO Head.