



उत्पाद मानुयल
मधुमक्खी पेटिका — विशिष्टि
IS 1515:2013 के अनुसार

**PRODUCT MANUAL FOR
BEEHIVES -SPECIFICATION
ACCORDING TO IS 1515:2013**

भारतीय मानक ब्यूरो (अनुरूपता मूल्यांकन) विनियम 2018 की स्कीम-I के तहत यह उत्पाद मानुयल प्रमाणीकरणके प्रचलन में रीति और पारदर्शिता के सुसंगतता सुनिश्चित करने के लिए सभी क्षेत्रीयशाखा कार्यालयों / प्रमाण पत्र / एवं लाइसेन्स धारियों द्वारा संदर्भ सामग्री के रूप में उपयोग किया जाएगा। बीआईएस लाइसेन्स प्राप्त करने के इच्छुक भावी आवेदकों द्वारा भी इस दस्तावेज़ का उपयोग किया जा सकता है।

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.	उत्पाद Product	:	IS 1515:2013
	शीर्षक Title	:	मधुमक्खी पेटिका — विशिष्टि BEEHIVES -SPECIFICATION
	संशोधन संख्या No. of Amendments	:	Nil
2.	नमूनाकरण दिशा निर्देश Sampling Guidelines:		
a)	कच्चा माल Raw material	:	1) Manufacturer to submit declaration/undertaking regarding usage of wood, as per provisions of Clause 5.1 of IS 1515:2013 2) If wire is used for reinforcement, it shall be galvanized mild steel wire of diameter 0.4 mm as per provisions of Clause 5.2 of IS 1515:2013
b)	समूहिकरण दिशा निर्देश Grouping guidelines	:	Sample shall be drawn for each type (of any bee space) and for each frame.
c)	नमूने का परिमाण Sample Size	:	a) Complete bee hive – one sample b) Wire for reinforcement (if used) – one sample
3.	परीक्षण उपकरणों की सूची	:	कृपया Annex-ए देखें

	List of Test Equipment		Please see Annex – A	
4.	निरीक्षण व परीक्षण स्कीम Scheme of Inspection and Testing	:	कृपया Annex-B देखें Please see Annex – B	
5.	एक दिन में संभावित परीक्षण Possible tests in a day :	:	All tests are possible in a single day.	
6.	लाइसेन्स का कार्यक्षेत्र / Scope of the Licence:			
	IS 1515:2013 के अनुसार मानक मुहर का उपयोग करने के लिए लाइसेन्स निम्नलिखित कार्यक्षेत्र के लिए प्रदान किया जाता है Licence is granted to use Standard Mark as per IS 1515:2013 with the following scope:			
	उत्पाद का नाम Name of the product	Beehives		
	Type	Type A	Type B	Type C
	Bee space (mm)	i) 7 mm, and/or ii) 8 mm, and/or iii) 9 mm	i) 8 mm, and/or ii) 9 mm	i) 10 mm
	Frames/combs	i) 10, and/or ii) 8, and/or iii) 4	i) 10, and/or ii) 8, and/or iii) 4	i) 10

BUREAU OF INDIAN STANDARDS
Manak Bhawan,
9, Bahadur Shah Zafar Marg,
New Delhi – 110002

ANNEX A
TO THE PRODUCT MANUAL FOR
BEEHIVES -SPECIFICATION
ACCORDING TO IS 1515:2013

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.	Material, Cl. 5.2	Visual Examination Steel Tape / Steel Scale Vernier Caliper Protector
2.	Dimensions & Constructional requirement	Measuring Tape Steel Scale Vernier Caliper Protector Micrometer Thickness Gauge Right Angle

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

ANNEX B
TO THE PRODUCT MANUAL FOR
BEEHIVES -SPECIFICATION
ACCORDING TO IS 1515:2013
Scheme of Inspection and Testing

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 and implement a calibration plan for the test equipment.

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 licence, shall be marked on each beehive or parts thereof, provided always that the product so marked conform to requirements of the specification.

3.1 Packing - The material shall be packed in suitable form of packing as agreed between the purchaser and the vendor, in line with the provisions of Clause 8.1 of IS 1515:2013.

3.2 Marking - The containers shall bear legibly and indelibly the information as mentioned under clause 8.2 of IS 1515:2013. In addition, the following details shall be mentioned on each beehive or parts thereof:

i) BIS Licence No. (CM/L.....)

ii) For details of BIS certification details please visit www.bis.gov.in.

4. CONTROL UNIT – For the purpose of this scheme all the Beehives of the same Type and Frames, manufactured in one 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.

TABLE 1 (Levels of Control)
(Para 5 of 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			No. of Samples	Frequency	Remarks
		Clause Reference	IS Reference				
4.1.1 to 4.1.3	Dimension of Different Parts	4.1.1 to 4.1.3	IS 1515	R	Firm to have adequate in-process controls to check compliance of this parameter as per the Indian Standard. However, appropriate records shall be maintained by the manufacturer for evidence of conformity		
5.2	Material : Diameter of Wire	5.2	IS 1515	R	One	Each Control Unit	
6	Construction						
6.1	Floor board	6.1	IS 1515	R	Firm to have adequate in-process controls to check compliance of this parameter as per the tolerances given in Indian Standard. However, appropriate records shall be maintained by the manufacturer for evidence of conformity		
6.2	Brood chamber	6.2	IS 1515	R	--do--		
6.3	Super chamber	6.3	IS 1515	R	--do--		
6.4	Inner cover	6.4	IS 1515	R	--do--		
6.5	Roof (Top)	6.5	IS 1515	R	--do--		
6.6	Brood Frame	6.6	IS 1515	R	--do--		
6.7	Super Frame	6.7	IS 1515	R	--do--		

6.8	Division Board	6.8	IS 1515	R	--do--
6.9	Dummy Board	6.9	IS 1515	R	--do--
7	Workmanship				
7.1	Finish	7.1	IS 1515	R	Firm to have adequate in-process controls to check compliance of this parameter as per the Indian Standard. However, appropriate records shall be maintained by the manufacturer for evidence of conformity
7.2	Joint	7.2	IS 1515	R	--do--

Note-1 Whether test equipment is required or sub-contracting is permitted in column 2 shall be decided by the Bureau and shall be mandatory. Sub-contracting is permitted to a laboratory recognized by the Bureau or Government laboratories empaneled 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.