



उत्पाद मैनुअल
आई एस 17693: 2022 के अनुसार
क्ले से बने अविद्युतीय प्रशीतन केबिनेट के लिए

दस्तावेज संख्या – पी एम/आई एस 17693/2/अगस्त 2023

भारतीय मानक ब्यूरो की स्कीम-I (अनुरूपता मूल्यांकन) विनियम, 2022 के तहत यह उत्पाद मैनुअल प्रमाणीकरण के प्रचालन में रीति और पारिश्रिता की सुसंगतता सुनिश्चित करने के लिए सभी क्षेत्रीय/शाखा कार्यालयों और लाइसेंसी द्वारा संदर्भ सामग्री के रूप में उपयोग किया जाएगा। बीआईएस प्रमाणीकरण लाइसेंस/ प्रमाणपत्र प्राप्त करने के इच्छुक भावी आवेदकों द्वारा भी इस दस्तावेज का उपयोग किया जा सकता है।

PRODUCT MANUAL FOR
NON-ELECTRIC COOLING CABINET MADE OF CLAY
ACCORDING to IS 17693:2022

Document No.- PM/IS 17693/2/August 2023

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, 2022 for various products. The document may also be used by prospective applicants desirous of obtaining BIS certification licence/certificate.

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1.	Product	:	IS 17693: 2022		
	Title	:	Non-Electric Cooling Cabinet made of Clay		
	No. of Amendments	:	One		
2.	Sampling Guidelines:				
a)	Raw material	:	-		
b)	Grouping guidelines	:	Cooling Cabinet of each gross volume and declared cooling effect shall be tested for Grant of licence and Change in scope of licence. Manufacturer shall declare the gross volume and cooling effect for each variety intended to be covered in scope.		
c)	Sample Size	:	One Cabinet		
d)	Sampling guidelines during operation of licence	:	One Factory sample and One Market sample shall be drawn during an operative year		
3.	List of Test Equipment	:	Please refer ANNEX – A		
4.	Scheme of Inspection and Testing	:	Please refer ANNEX – B		
5.	Possible tests in a day	:	All tests		
6.	Scope of the Licence :				
	“Licence is granted to use Standard Mark as per IS 17693: 2022 with the following scope:				
	Name of the product		Non-Electric Cooling Cabinet made of Clay		
			Variety 1	Variety 2	Variety 3
		Gross Volume			
		Declared Cooling Effect			

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/Chemicals and Identification Numbers (Where applicable)
1.	Size, Cl. 4	Measuring Scale/Tape
2.	Stand, Cl. 5.4	Angle Protractor
3.	Cooling Performance Evaluation, Cl. 6	Thermometer (minimum two numbers), Anemometer
4.	Volume Determination, Cl. 7	Measuring Cylinders

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

ANNEX B

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 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. LABELLING AND MARKING – As per the requirements of IS 17693. In addition, each Cabinet shall also be marked with following:

Declared Cooling effect, Control Unit number/Batch Number and Date of manufacturing .

The BIS Standard Mark, as given in the Schedule of the licence, shall be marked on each product provided always that the product thus marked conforms to all the requirement of the specification. In addition, the licence no. CM/L-_____ and details of BIS website shall be marked at an appropriate place as follows: “For details of BIS certification please visit www.bis.gov.in”.

4. CONTROL UNIT – All the cooling cabinets of same gross volume, same declared cooling effect, manufactured continuously from the same batch of raw materials and baked together in the kiln 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

(1)				(2)	(3)		
Test Details				Test equipment requirement Required (R) or Sub-contracting permitted (S)	Levels of Control		
Cl.	Requirement	Test Method			No. of Sample	Frequency	Remarks
		Clause	Reference				
4	Size	4	IS 17693	R	One	Each Control Unit	
5	Construction						
5.1	Main Body	5.1	IS 17693	-	Manufacturer shall exercise adequate levels of control to ensure that entire production should conform to the Standard. Appropriate records of testing indicating conformity shall be maintained		
5.2	Door	5.2	IS 17693	-			
5.3	Tap	5.3	IS 17693	-			
5.4	Stand	5.4	IS 17693	R			
6	Cooling Performance Evaluation	6	IS 17693	R	One	Once in a month	One sample of every gross volume manufactured in a month shall be tested
7	Volume determination	7	IS 17693	R	One	Each Control Unit	

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..