

केन्द्रीय मुहर विभाग-2

हमारा संदर्भ : सीएमडी-2/16:1449020 06 2018

विषय:आई एस 14490:2018 की संशोधित एस टी आई

1. आई एस 14490:2018 की संशोधित एस टी आई अवलोकन हेतु संलग्न है ।

(अदाने खासी)

वैज्ञानिक सी (सी एम डी-2)

प्रमुख (सी एम डी-2)

सभी क्षेत्रीय/शाखाकार्यालयों/सीएचएडी को परिचालित

आई टी एस विभाग - बीआईएस इंटरनेट पर अपलोड करने के लिए

CENTRAL MARKS DEPARTMENT -2

Ref: CMD-2/16: 14490

20 06 2018

Subject: Revised STI of IS 14490:2018

1. Please find enclosed revised STI for IS 14490:2018 for kind consideration.

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Circulated to: All ROs/BOs/CHD

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**SCHEME OF TESTING AND INSPECTION FOR
PLAIN COPIER PAPER
ACCORDING TO IS 14490: 2018
(First Revision)**

1. LABORATORY

- 1.1** A laboratory shall be maintained, which shall be suitably equipped and staffed, where different tests given in the specification shall be carried out in accordance with the method given in the Indian Standard.
- 1.2** All test apparatus/measuring instruments shall be periodically checked, verified and calibrated and records of such checks/verification/calibration shall be maintained.

2. TEST RECORDS

- 2.1** All records of the tests as per this Scheme of Testing and Inspection shall be kept in suitable forms approved by the Bureau.
- 2.2** Copies of any such records that may be required by BIS shall be made available at any time on request.

3. QUALITY CONTROL

- 3.1** It is recommended that, as far as possible, Statistical Quality Control (SQC) methods may be used for controlling the quality of the product during production as envisaged in this Scheme [See IS 397 (Various parts)].
- 3.2** In addition, efforts should be made to gradually introduce a Quality Management System in accordance with IS/ISO 9001 as appropriate to the activities of the organization.

4. MARKING

- 4.1 Standard Mark** -The standard mark as given in column (1) of the First Schedule of the licence shall be stenciled or printed on each ream or reel of white printing or printed on the label applied to it in such a way that the mark is destroyed on opening the ream or reel; provided always that the paper in the ream or reel so marked conforms to all the requirements of the specification. The ECO mark shall also be included in the schedule, if the product is also covered under ECO Marking.

- 5. Other Marking** – The package shall be marked with the following particulars:

- a) Description and size of the paper;
- b) Quantity;
- c) Mass of 500/250 sheets including wrapping paper, in kg/ream. Chargeable weight should be read as net weight excluding the weight of packing;
- d) Lot no. and month and year of manufacture;
- e) Name of manufacturer;
- f) BIS Licence No. CM/L.....
- g) BIS website details : www.bis.gov.in
- h) For ECO-Mark product, the container/package may also be marked with the criteria for which the product is labelled with ECO-Mark.

5.1 Each ream of paper shall be wrapped by means of wax coated paper to prevent moisture absorption. It shall then be packed in 4 ply corrugated cartons to ensure that the paper is not damaged due to handling & transportation or shall be packed as agreed to between the purchaser & the supplier.

5.2 For Eco Mark, the product shall be packed in such packages which shall be recyclable/reusable or biodegradable.

6.0 LEVELS OF CONTROL

6.1 The tests as indicated in Table-1 and at levels of control specified therein shall be carried out on the whole production of the factory covered by the scheme and appropriate records and charts maintained in accordance with clause 2.0 above. All the production which conforms to the Indian Standard and covered by this licence shall be marked with Certification Mark of the Bureau.

7. CONTROL UNIT

7.1 For the purpose of this scheme the material produced or packed on a particular machine continuously during a day shall constitute a control unit.

7.2 On the basis of test and inspection results decision regarding conformity or otherwise of the control unit as whole with the requirements of the specification as follows:

7.2.1 Requisite number of sample shall be taken from a control unit at equal interval of time and tested after conditioning for all requirements of the specification.

7.2.2 In Case of failure of any of the samples, the production belonging to the corresponding period shall be considered unfit for the purpose of marking. From the subsequent manufacture, the frequency of the sampling shall be doubled and samples tested for requirements where failures have occurred. The original frequency shall be resumed when two consecutive samples thus drawn are found meeting the relevant requirements.

7.2.3 One Ream/hour shall be examined for formation, finish and visual defects, as well as size & shall satisfy the requirements as given in the specification. In case the lot is found defective it shall be segregated and not used for marking.

7.3 When the paper is also to be covered under Eco-Mark it shall comply with all requirements of clauses 5.1 to 5.5 as referred under clause 5.7 of IS 14490:2018 and at controls & checks specified for clauses in table 1 of the SIT.

7.4 For manufacturing the Eco-Mark product the raw material used shall be as given under clause 5.7.1.2 and 5.7.2 of IS 14490 : 2018.

8. RAW MATERIAL

8.1 Routine analysis of each consignment of raw material received in the factory shall be carried out and appropriate records maintained. Adequate action at various stages of manufacture shall be ensured.

8.2 In respect of all other clauses of the specification, the factory shall maintain appropriate controls and checks to ensure that the production conforms to the various requirements of the specification.

9. REJECTION

9.1A separate record providing the detailed information regarding the rejected control unit and mode of their disposal shall be maintained. Such material shall in no case be stored together with that conforming to the specification.

10. SAMPLES

10.1 The licensee shall supply, free of charge, the sample(s) required in accordance with the Bureau of Indian Standards (Certification) Regulations from the factory or godown. The BIS shall pay for the samples taken by it from the open market.

11. REPLACEMENT

11.1 Whenever a complaint is received soon after the goods with Standard Mark have been purchased and used, and if there is adequate evidence that the goods have not been misused, defective goods or their components are replaced or repaired free of cost by the licensee in case the complaint is proved to be genuine and the warranty period (where applicable) has not expired. The final authority to judge the conformity of the product to the Indian Standard shall be with the Bureau.

11.2 In the event of any damages caused by the goods bearing the standard mark, or any claim being filed by the consumer against BIS Standard Mark and not “conforming to” the relevant Indian Standard, entire liability arising out of such non-conforming product shall be of the licensee and BIS shall not in any way be responsible in such cases.

12. STOP MARKING

12.1 The marking of the product shall be stopped under intimation to the Bureau if, at any time, there is some difficulty in maintaining the conformity of the product to the specification, or the testing equipment goes out of order or due to any other reason. The marking may be resumed as soon as the defects are removed under intimation to BIS.

12.2 The marking of the product shall be stopped immediately if directed to do so by BIS for any reason. The marking may then be resumed only after permission by BIS. The information regarding resumption of markings shall also be sent to BIS.

13. PRODUCTION DATA

13.1 The licensee shall send to BIS a statement of quantity produced, marked and exported by him and the value thereof at the end of each operative year of the licence as per the enclosed proforma (Annex I) which has to be authenticated by a Chartered Accountant.

IS 14490 : 2018
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TABLE 1, LEVELS OF CONTROL
(Para 6 of the Scheme of Testing and Inspection)

Test Details				Levels of Control		
Clause No.	Requirement	Test Methods		No. of Sample	Frequency	Remarks
		Clause	Reference			
4	Material	4	IS 14490	Each reel/sheet	-	
5.1	General	5.1	-do-	One ream	Every hour	See clause no. 7.2.3 of STI
5.2	Moisture	-	IS 1060 (Part 5/Sec 2)	Six reams*	One control unit	
5.3	Grammage (Substance)	-	IS 1060 (Part 5/Sec 5) & IS 1060 (Part 4/Sec 1)	-do-	-do-	
5.4	Thickness	-	IS 1060 (Part 5/Sec 3)	-do-	-do-	
5.5 & Table 1	i) ISO brightness	-	IS/ISO 2470 (Part 1)	-do-	-do-	
	ii) Opacity	-	IS/ISO 2471	-do-	-do-	
	iii) One minute cobb test, both sides	-	IS 1060 (Part 5/Sec 4)	-do-	-do-	
	iv) Surface strength, Dennison (Wax Pick)	8	IS 1060 (Part 3)	One ream	-do-	
	v) Smoothness for both sides (Bendsten)	3	IS 9894	-do-	-do-	
	vi) Ash content	11	IS 1060 (Part 1)	-do-	-do-	
	vii) Taber stiffness a) Machine direction (MD) b) Cross direction (CD)	Appendix D	IS 4658	-do-	-do-	
	viii) Tear index a) Machine direction (MD) b) Cross direction (CD)	-	IS 1060 (Part 6/Sec 1)	Six reams*	-do-	
	ix) Tensile index a) Machine direction (MD) b) Cross direction (CD)	-	IS 1060 (Part 5/Sec 6)	-do-	-do-	
5.6	Size	-	IS 1064	One ream	Every hour	

* The sample/reams shall be collected at regular intervals.

ANNEX I

Period covered	
Name of Licensee	
CM/L No.	
Name of Articles (s)	IS No.
Grade/Type/Size/Variety/Class/Rating	
Brand/Trade/Name(s) of Product covered under BIS Certification Mark	
Total production of the articles(s) licensed for certification marking	
Total production of the article(s) conforming to Indian Standard	
Production covered with BIS Certification Mark and its Value :	
a) Quantity	
b) Value (Rs.)	
Brand Name used on production covered under BIS Certification Mark	
Calculation of marking fee on unit-rate basis; Marking Fee per unit	
a) Unit*	
b) Quantity covered with BIS Certification Mark	
c) Marking fee rounded off in whole rupees as obtained by applying unit rates given in (a) on quantity given in (b)	
Quantity not covered with BIS Certification Mark, if any.	
Reasons for such non-coverage	
Brand Name under which non-ISI goods were sold	
Quantity exported with BIS Standard Mark and its value	
Brand Name under which BIS Certified goods are exported	
Authentication by Chartered Accountant	

PROFORMA FOR OBTAINING PRODUCTION DETAILS

Note: In case a clause is not applicable, suitable remarks may be given against it.

*Information to be filled up by BO before forwarding to the licensee.

