

केन्द्रीय मुहर विभाग-2

हमारा संदर्भ : सीएमडी-2/16:1449019 06 2018

विषय : पुनरीक्षित आई एस 14490:2018“सादा कापियर कागज” (पहला पुनरीक्षण) की एसटीआई (डॉक:एसटीआई/14490/2, जून 2018) और दिशा निर्देशों का कार्यान्वयन ।

यह उपर्युक्त विषय के संदर्भ में है

सक्षम प्राधिकारी ने आई एस14490:2018 के अनुसार प्रमाणन हेतु पुनरीक्षित एसटीआई (डॉक: एसटीआई/14490/2, जून 2018) और दिशा निर्देशों को अनुमोदित कर दिया है ।

सभी क्षेत्रीय और शाखा कार्यालयों से अनुरोध है कि वे उपरोक्त एसटीआई और दिशानिर्देशों काअनुपालन तत्काल प्रभाव से सुनिश्चित करें ।

(अदाने खासी)

वैज्ञानिक सी (सी एम डी-2)

प्रमुख (सी एम डी-2)(हस्ता/-)

सभी क्षेत्रीय/शाखा कार्यालय/सीएचएडी/एमएसडी/प्रयोगशालाएं

आई टी एस विभाग - बीआईएस इंटरनेट पर डालने हेतु

Central Marks Department-2

Ref: CMD-2/16: 14490

19 06 2018

Subject: Guidelines for implementation of Revised IS 14490:2018“Plain Copier Paper” (First Revision) and Revised STI, Doc: STI/14490/2, June 2018.

This has reference to the subject mentioned above.

The Competent Authority has approved the Revised STI, Doc: STI/14490/2, June 2018 and implementation guidelines for certification of the product as per IS 14490:2018.

All ROs/BOs are requested to ensure compliance of above STI and implementation guidelines with immediate effect.

(AdaneKhrasi)
Scientist, C (CMD-2)

Head (CMD-2)(sd/-)

Circulated to: All ROs/BOs/CHD/MSD/LABS

Copy to: ITS-for hosting on Intranet please

CENTRAL MARKS DEPARTMENT-2

Our Ref: CMD-2/16:14490

13 06 2018

Subject: Guidelines for implementation of Revised IS 14490 : 2018‘Plain Copier Paper’- Specification (First Revision).

1. IS 14490 : 1997 has been revised as IS 14490 : 2018. The revised Standard has been published and notified vide Gazette Notification S.O. 1775(E) dated 27 04 2018. The last date for implementation of the revised Standard is **19 07 2018** after which the old Standard shall stand withdrawn.
2. All BOs shall inform the Applicants and Licensees under their jurisdiction about the revised Standard.
3. The significant changes/modifications in the revised Standard as listed in the Table below are given for the purpose of general guidance. BOs shall ensure that the product conforms to all the requirements, as applicable, as per the revised Standard.

Clause	Requirement
Clause 1, Scope	Scope of the standard has been modified.
Clause 5.2 & 5.4	Requirements of moisture and thickness and their test methods have been changed.
Clause 5.5 & table 1	Specified requirement of Brightness and Opacity have been upgraded. Testing temperature of Ash content requirement has been modified.
Clause 5.6, Size	Cut sizes relevant to the product have been incorporated.
Clause 6.1, Packing	Packing clause has been modified.

4. Consequent upon the issuance of the revised Standard, existing STI has been revised as Doc: STI/14490/2 June 2018.
5. The guidelines for implementation of the revised Standard is given below:

A. For Licensees:

- (i) All Licensees shall switchover to the revised Standard by 19 07 2018. BOs shall ensure that no Licences are under operation as per the old Standard after 19 07 2018.
- (ii) Licensees shall confirm conformance to the additional/modified requirements through In-house/ Independent Test Reports or Test Certificates, as applicable. Verification of additional requirements and facilities, if any, may be done during the next visit.
- (iii) BO may issue endorsement for the revised STI and Standard after receipt of STI Acceptance and the confirmation from the Licensee on implementation of the revised Standard. If the Licensee fails to complete all actions by 19 07 2018 it shall be dealt with as per OMPC.

B. For Applicants:

- (i) Existing applications where Sample has been submitted in the Laboratory/Test Report has been issued by the Laboratory may be processed as per the old Standard. However, if the Applicant is desirous of considering the Application as per the revised Standard, a declaration from the Applicant may be obtained to that effect and the Application may be processed accordingly. An undertaking from such Applicants shall also be obtained that if the sample fails in new test requirements, Licence will not be granted by BIS as per the old version.
- (ii) Applications which are recorded henceforth may be processed as per the old Standard or the revised Standard. Processing of Applications as per old Standard shall be permitted only upto 19 07 2018 and for such cases Applicant shall give a declaration that they will switchover to revised Standard by 19 07 2018.
- (iii) Beyond 19 07 2018 no Licence shall be granted as per the old Standard.

C. For Inclusions:

- (i) For Inclusion of New Varieties, the relevant provisions as given above for Applicants shall apply.
 - (ii) However, processing of Inclusions as per the old Standard shall be permitted only upto the date of switchover to the revised Standard or upto 19 07 2018 whichever is earlier.
6. The above guidelines come into force with immediate effect.

(AdaneKhrasi)
Sc. C (CMD-2)

Head (CMD-2)

DDG (Certification)

**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 ECOmark 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
PLAIN COPIER PAPER
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.

