

संदर्भ संख्या: सीपीपीआरआई/आरटीआई/२०२०/1578

दिनांक: ०५/१०/२०२०

श्री विनय जैन
एम२/सी६, झुलेलाल अपार्टमेंट,
रोड संख्या ४४, पीतमपुरा,
नई दिल्ली - ११००३४

विषय: सूचना का अधिकार अधिनियम- २००५ के अन्तर्गत ऑनलाइन आरटीआई पंजीकरण संख्या सीपीपीआरआई/आर/ई/२०/००००६ दिनांक १६/०९/२०२० के संबंध में।

महोदय,

कृपया अपने ऑनलाइन आरटीआई पंजीकरण संख्या सीपीपीआरआई/आर/ई/२०/००००६ दिनांक १६/०९/२०२० जो कि सूचना का अधिकार, अधिनियम-२००५ के अंतर्गत इस संस्थान को प्रेषित किया गया था, का संदर्भ ग्रहण करें।

इस संबंध में सूचनीय है कि आप द्वारा वांछित सूचना संस्थान के संबंधित विभाग से प्राप्त सूचना पत्र संदर्भ संख्या: सीपीपीआरआई/पीटी/आरटीआई/२०-२१ दिनांक ०१/१०/२०२० की एक प्रति इस पत्र के साथ संलग्न की जाती है।

भवदीय,

अनुराधा वी. जनबादे

(अनुराधा वी. जनबादे)

जन सूचना अधिकारी

संलग्नक: उपरोक्तानुसार

प्रतिलिपि: १. निजी सचिव, निदेशक महोदय, सीपीपीआरआई।

१/१०

O/c

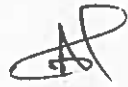
**CENTRAL PULP AND PAPER RESEARCH INSTITUTE
PAPER TESTING DIVISION**

Ref No. :- CPPR/ PT/ RTI / 20-21/

Dated- 01. 10.2020

ION

With Reference to ION No. CPPRI/RTI/2020-21/ dated 18.09.2020 from PIO CPPRI , Saharanpur attached herewith an application dated 16.09.2020 of Shri Vinay Jain, JholeyLal Apartment , New Delhi under RTI Act 2005, the desired information are attached with this ION for further action please.



Dr. A.K. Dixit
Scientist E-II & Head
Paper testing Division

Ms. Anuradha V. Janbade
Public Information Officer , CPPRI
Saharanpur

Enclosure- as above

Dated : 01.10.2020

Subject :- Under Right to Information Act 2005 received from Shri Vinay Jain, Jhooleylal Apartment, New Delhi. RTI Registration No. CPPRI /R/I/20/00006 dated 16.09.2020 regarding.

Question No. 1 Please provide me the documents related to this subject including complete file with file notes, office memos, DO letters, all background papers and other enclosures.

Question No. 2 – I request you to please arrange to provide me copy of all correspondence made between the various Ministries on this matter.

Answer to Questions 1 &2 – The above subject matter was referred to CPPRI from BIS where BIS has asked CPPRI to examine the document. The document was examined and returned to the BIS. No. File note, office memo, DO letter, background papers etc. is available with CPPRI.

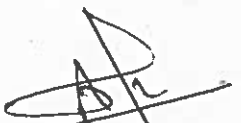
Question No. 3 – Please provide me details of the meetings conducted on the subject matter including the list of persons / departments who attended the meeting.

Answer to Question no. 3 - CPPRI didn't conduct any meeting so no record is available with CPPRI.

Question No. 4- I request you to please arrange to provide me copy of minutes of all meetings held between the various ministries on this matter.

Question No. 5- Please provide me the details of action taken by the Department on the matter.

Answer to Question 4 & 5- No such record is available with CPPRI



(Dr. A.K. Dixit)

Scientist E-II & Head
Paper Testing Division

Ms. Anuradha V Janvade,
Public Information Officer
CPPRI, Saharanpur.

(48)

Email

shrishti.dixit@bis.gov.in

Fwd: Document for Revision of IS 11688

From : Shrishti Dixit <shrishti.dixit@bis.gov.in>
Subject : Fwd: Document for Revision of IS 11688

Tue, Jan 21, 2020 09:49 AM

1 attachment

To : Head Chemical Department
 <hchd@bis.gov.in>

Cc : Chemical Department <chd@bis.gov.in>

From: "Director Cppri" <director.cppri@gmail.com>
To: "shrishti dixit" <shrishti.dixit@bis.gov.in>
Sent: Monday, January 20, 2020 5:47:33 PM
Subject: Document for Revision of IS 11688



कन्द्रीय लुग्दी एवं कागज अनुसंधान संस्थान

Central Pulp & Paper Research Institute

An autonomous organization under the administrative control of
 Ministry of Commerce & Industry, Govt. of India
 (Reg. No. 12/1999-1998)

Dear Shrishti,

Pl find attached herewith the Specifications for Newsprint as sent by you after necessary corrections marked in RED colour. As desired, the document may be sent for wide circulations.

Dr. B.P. Thapliyal

Director

Central Pulp & Paper Research Institute

Paper Mill Road, Himmat Ngar,

Saharanpur-247001, U.P. (India)

Tel: +91 132 2714050, 2714051

document for revision of IS 11688.docx
 31 KB

From : Director Cppri <director.cppri@gmail.com>
Subject : Document for Revision of IS 11688
To : shrishti dixit <shrishti.dixit@bis.gov.in>

Mon, Jan 20, 2020 05:47 PM

1 attachment

3



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Saharanpur-247001, U.P. (India)
Tel: +91 132 2714050, 2714051

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FOR COMMENTS ONLY

IS 11688 : XXXXX
Doc No. CHD 15 ()C

भारतीय मानक मसौदा
अखबारी कागज - विशिष्टि
(दूसरा पुनरीक्षण)

Draft Indian Standard

NEWSPRINT — SPECIFICATION
(*Second Revision*)

ICS 85.060

© BIS 2018
BUREAU OF INDIAN STANDARDS
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG
NEW DELHI 110002

January 2020

Price Group

Paper and Its Products Sectional Committee, CHD 15

FOREWORD

(Formal clause shall be added later)

This standard was originally published in 1986. However, growing concern about the cleaner environment and the fact that deforestation will destroy the ecological balance of the earth, initiate a worldwide movement to conserve the forest. With the advance of technology in the manufacture of newsprint and printing technology and immense desire to conserve the woods. During first revision in 1999, the lower grammage and thickness had been specified. Tensile index and brightness had been increased. Requirement of oil absorbency had been deleted. Slight modification in smoothness requirement had also been made.

This revision has been taken place to upgrade the parameters at par with international practices.

In India, newsprint papers are generally made from regenerated pulp and for achieving some of the quality parameters (like brightness etc.), pretreatment of recycled paper for generating pulp causes more emission of effluents which would subsequently causes load on environment/water bodies.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 1960, 'Rules for rounding off numerical values (*revised*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

Draft Indian Standard

NEWSPRINT — SPECIFICATION
(Second Revision)

1 SCOPE

This standard prescribes the requirements, methods of sampling and test for newsprint intended for use in printing presses for publication of newspapers and periodicals.

2 REFERENCES

The standards listed in Annex A contain provisions which through reference in this text, constitute provisions of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated in Annex A.

3 TERMINOLOGY

For the purpose of this standard the definitions given in IS 4661 shall apply.

4 MATERIAL.

The newsprint paper may preferably be manufactured from chemical/mechanical and/or regenerated pulp in order to comply the requirements prescribed in this standard.

5 REQUIREMENTS

5.1 Newsprint shall be free from shives, pin holes, slime holes, stock lumps, wrinkles and calender cuts.

5.2 Classification

The newsprint paper shall be of following two classes on the basis of grammage:

- | | |
|--|-------------------------|
| i) Class I: Grammage shall be 44-52 g/m ² - | Standard Newsprint |
| ii) Class II: Grammage shall be 40-43 g/m ² - | Special Grade Newsprint |

The grammage shall be determined as per the method prescribed in IS 1060 (part 5/sec 5). The nominal grammage shall be as agreed between the purchaser and the supplier with the agreed value lying within the ranges specified above.

(4)

5.3 The bulk of newsprint shall be minimum $1.2 \text{ cm}^3/\text{g}$ when tested according to IS 1060 (part 5/sec 3). The nominal bulk shall be as agreed between the purchaser and the supplier with the agreed value lying within the ranges specified above.

Note: If specific thickness is required for newsprint paper, the thickness shall be agreed between the interested parties and same shall correspond to value of bulk prescribed above $\{\text{Bulk (cm}^3/\text{g)} = \text{Thickness (in micron)} / \text{Grammage (g/m}^2)\}$.

5.4 The newsprint shall be supplied either in ream, reel or sheet form.

5.4.1 Reams

The nominal mass in kg per ream of 500 sheets including mass of wrapping paper shall be as agreed between the purchaser and the supplier. A tolerance of ± 2.5 percent shall be allowed on the nominal mass of the ream. Nominal mass of the ream shall be determined in accordance with the method prescribed in Annex B. ✓

5.4.2 Reels

5.4.2.1 The width of the reels shall be any of the sizes specified in IS 1064. The minimum diameter of the reel shall be 800mm. The permissible tolerance on the width of the reels shall be in accordance with 4 of IS 1064.

5.4.2.2 The nominal mass in kg per reel including the mass of the core, plugs and wrappers shall be as agreed between the purchaser and the supplier. A tolerance of ± 2.5 percent shall be allowed on the nominal mass of the reel. Nominal mass of the reel shall be determined in accordance with the method prescribed in Annex C.

5.4.3 Sheets

The size of the newsprint and the permissible tolerance shall be in accordance with IS 1064.

5.5 In addition to the above requirements, the newsprint shall also comply with the requirements given in Table 1, when tested in accordance with the relevant test methods prescribed in col 5 of Table 1.

5.6 The colour/shade of the newsprint shall be agreed between the interested parties according to ISO 12647-3.

6 PACKING AND MARKING

6.1 Packing

The packing of newsprint shall be done so as to ensure that the paper is not damaged due to handling and transportation and shall be as agreed to between the purchaser and the supplier (see IS 6211).

6.1.1 When supplied in reel form, the newsprint shall be tightly wound with uniform and even tension and shall not contain more than the specified maximum number of splices per roll. Splices shall be neatly and securely pasted with adhesives, which will not permit the splices to separate while passing through the drying oven maintained at 370°C. The adhesive used shall not cause the splice to adhere to adjacent laps. The maximum number of splices allowed in a reel shall be three.

TABLE 1 REQUIREMENTS FOR NEWSPRINT

(Clauses 5.5, 8.3 and 9.3)

SI No.	Characteristics	Requirement		Method of Test
		Class I	Class II	
(1)	(2)	(3)	(4)	(5)
i)	Brightness ISO, percent, <i>Min</i>	52.0	52.0	IS/ISO 2470 (Part 1)
ii)	Opacity, percent, <i>Min</i>	94	92	
iii)	PPS Roughness, microns, <i>Min</i>	6.0	2.0	IS/ISO 2471 IS 1060 (Part 5 / Sec 17)
iv)	Porosity, ml/min, <i>Max</i>	800	800	IS 11080
v)	Tensile strength, MD (kN/m), <i>Min</i>			IS 1060 (Part 5 / Sec 6)
	MD	2.0	2.0	
	CD	1.0	1.0	
vi)	Tearing strength, CD (mN), <i>Min</i>	250	250	IS 1060 (Part 6 / Sec 1)
vii)	Elongation MD (%), <i>Min</i>	1.2	1.2	IS 1060 (Part 5 / Sec 6)

6.2 Marking

Each package shall be marked with the following particulars:

- Description, grammage in g/m², bulk in cm³/g of the paper;
- Size of the paper. In the case of reels, the width and diameter of the reel;
- Mass in kg per ream of 500 sheets including wrapping paper or mass in kg per reel including the mass of the core, plugs and wrappers;
- Lot number;
- Month and year of manufacture; and
- Manufacturer's name or his recognized trademark, if any.

6.2.1 BIS Certification Marking

The product(s) conforming to the requirements of this standard may be certified as per the conformity assessment schemes under the provisions of the BIS Act, 2016 and the Rules and Regulations framed thereunder, and the products may be marked with the standard mark.

7 SCALE OF SAMPLING

7.1 Lot

All the packages/reels in a consignment and belonging to the same batch of manufacture shall constitute a lot.

7.2 Unless otherwise agreed to between the purchaser and supplier, the number of packages/reels to be selected shall depend upon the size of the lot and shall be in accordance with the Table 2.

TABLE 2 NUMBER OF PACKAGES/REELS TO BE SELECTED FROM A LOT
(Clause 7.2)

Sl No. (1)	Lot Size (2)	Sample Size (3)
i)	Up to 50	3
ii)	101 to 150	4
iii)	151 to 300	7
iv)	301 to 500	10
v)	501 and above	15

8 NUMBER OF TESTS

8.1 From each package 8 sheets shall be visually examined for defects as given in 5.1.

8.1.1 In case of reels, inspect in 5 different layers in the area along the full width of the reel and 300 cm in length.

8.2 For grammage and bulk, take 10 sheets from different packages/reels, taking equal number of sheets from each package/reel as far as possible. When the number of packages/reels is more than 10, take 10 packages/reels at random and select one sheet from each package/reel. For selection of sheets, the methods given in IS 1060 (Part 1) may be followed.

8.3 For all other characteristics given in Table 1, each package/reel shall be tested individually.

9 CRITERIA FOR CONFORMITY

9.1 For visual examination, the number of defective sheets in a package shall not be more than 3 and in case of reel, the number of defective sheets shall not be more than 2.

9.2 For grammage and bulk, the average of 10 results shall be within the limit given in 5.2 and 5.3.

9.3 For all other characteristics on which individual tests have been done average (X) and range (R) shall be calculated, range being the difference between the maximum and minimum of the test results and

Average = $\frac{\text{Sum of the test results}}{\text{Number of test}}$

Number of test

The lot shall be declared as conforming to the specification with respect to the characteristics given in Table 1, if the expression;

$X - 0.6R > \text{minimum value specified, and}$

$X + 0.6R < \text{maximum value specified.}$

In case the number of test results are more than 10, it shall be divided into sub-groups of 5 test results each, taking them as obtained and for each sub-group, range shall be calculated. The mean range (R) shall be calculated by dividing the sum of the ranges by the number of sub-groups and in the expression $X - 0.6R$ and $X + 0.6R$, R shall be replaced by R .

ANNEX A (Clause 2)

IS No.	Title
IS 1060 (Part 1) : 1966	Methods of sampling and test for paper and allied products, Part 1 (revised)
IS 1060 (Part 5 / Sec 3) : 2014	Methods of Sampling and Test for Paper and Allied Products Part 5 Methods of Test for Paper and Board Section 3 Determination of thickness density and specific volume
ISO 534 : 2011	
IS 1060 (Part 5 / Sec 5) : 2014	Methods of Sampling and Test for Paper and Allied Products Part 5 Methods of Test for Paper and Board Section 5 Determination of grammage
ISO 536 : 2012	
IS 1060 (Part 5 / Sec 6) : 2014	Methods of Sampling and Test for Paper and Allied Products Part 5 Methods of Test for Paper and Board Section 6 Determination of tensile properties - Constant rate of elongation method 20 mm min
ISO 1924-2 : 2008	
IS 1060 (Part 5 / Sec 17) : 2014	Methods of Sampling and Test for Paper and Allied Products Part 5 Methods of Test for Paper and Board Section 17 Determination of roughness/smoothness (Air leak methods) — Print-surf method
ISO 8791-4 : 2007	
IS 1060 (Part 6 / Sec 1) : 2014	Methods of Sampling and Test for Paper and Allied Products Part 6 Methods of Test for Paper Section 1 Determination of tearing resistance - Elmendorf method
ISO 1974 : 2012	
IS 1064 : 1980	Paper sizes (second revision)
IS/ISO 2470 (Part 1) : 2009	Paper Board and Pulp Measurement of Diffuse Blue Reflectance Factor Part 1 Indoor Daylight Conditions ISO Brightness

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- IS/ISO 2471 : Paper and Board Determination of Opacity Paper Backing Diffuse Reflectance Method
2008
IS 4661 : 1999 Glossary of terms used in paper trade and industry (*second revision*)
IS 6211 : 1993 Code of practice for packaging of paper and board
IS 11080 : 1984 Method for determination of porosity of paper
ISO 12647-3:2013 Graphic technology — Process control for the production of half-tone colour separations, proofs and production prints — Part 3: Coldset offset lithography on newsprint

ANNEX B
[Clause 5.4.1]

DETERMINATION OF NOMINAL MASS OF REAM

B-1 The nominal mass of ream ofreams of newsprint shall be calculated according to the following

formula:

$$R = \frac{(A \times B \times C) + D}{1000}$$

1 000

where

R = nominal mass of reams of newsprint in kg,

A = nominal grammage of newsprint in g/m^2 ,

B = nominal number of sheets of newsprint in a ream,

C = nominal area of each sheet in m^2 , and

D = nominal mass of the wrapping paper in g.

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ANNEX C
[Clause 5.4.2.2]

DETERMINATION OF NOMINAL MASS OF REEL

C-1 The nominal mass of reel of newsprint shall be calculated according to the following formula:

$$J = \frac{(L \times M \times N) + K}{1\ 000}$$

where

- J = nominal mass of reel of newsprint in kg,
- L = nominal grammage of newsprint in g/m²,
- M = width of reel in m,
- N = length of web of newsprint in the reel in m, and
- K = mass of the core, plugs and wrappers in g.