

भारतीय मानक ब्यूरो
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भारतीय मानक मसौदा

वस्त्रादि – हथकरघा सूती पगड़ी का कपड़ा, विरंजित अथवा रंजित – विशिष्ट

(आई एस 753 का दूसरा पुनरीक्षण)

Draft Indian Standard

**TEXTILES — HANDLOOM COTTON PUGRI CLOTH, BLEACHED OR
DYED — SPECIFICATION**

(Second Revision of IS 753)

ICS 59.080.30

Handloom and khadi sectional committee, TXD 08

Last date for receipt of comment is

22 March 2025

FOREWORD

(Formal clauses will be added later)

Handloom Cotton Pugri Cloth (Bleached or Dyed) is a traditional fabric, handwoven on a loom, widely used for making pugris. This cloth is known for its softness, lightweight feel, and breathability, making it comfortable for prolonged wear, especially in warm climates.

This standard was originally published in 1955 and was revised in 1983. This standard has been again revised to incorporate the following changes:

- a) Picks/cm for variety no. 2 has been modified;
- b) Marking clause has been modified;
- c) Sampling clause has been modified;
- d) Method for fiber identification has been incorporated; and
- e) References to Indian Standards have been updated.

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, shall be rounded off in accordance with IS 2 : 2022 'Rules for rounding off numerical values (*second revision*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

1 SCOPE

1.1 This standard prescribes the constructional particulars and other requirements of three varieties of handloom cotton pugri cloth, bleached or dyed.

1.2 This standard does not specify the general appearance, feel, etc of the cloth (*see also 4.3*).

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 MANUFACTURE

3.1 Yarn

The cotton yarn used in the manufacture of pugri cloth shall be satisfactory in evenness and reasonably free from neps and spinning defects. The yarn shall conform to the requirements of IS 171.

3.2 Cloth

The cloth shall be free from dressing and filling materials and from substances liable to cause subsequent tendering.

4 REQUIREMENTS

4.1 The constructional particulars of pugri cloth shall conform to those given in Table 1.

4.2 The colour fastness ratings and other requirements of the cloth shall conform to those given in Table 2.

4.3 If in order to illustrate or specify the indeterminable characteristics such as general appearance, lustre, feel, and shade of the cloth, a sample has been agreed upon and sealed, the supply shall be

in conformity with the sample in such respects. The custody of the sealed sample shall be a matter of prior agreement between the buyer and the seller.

Table 1 Constructional Particulars of Handloom Cotton Pugri Cloth, Bleached or Dyed
(Clause 4.1)

Sl No.	Variety No.	Count of Yarn (see Note 1) [English Count] [Universal Count]		Ends/ cm	Picks/ cm	Mass g/m ²	Length m	Width cm	Weave
		Wrap	Weft						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
i)	1	24s (25 tex)	20s (30 tex)	24	21	130	4.5 or its multiples or as agreed	76, 80 or as agreed	plain
ii)	2	24s (25 tex)	24s (25 tex)	23	20	11			
iii)	3	30s (20 tex)	30s (20 tex)	28	22	102			
iv)	Tolerance, percent	—	—	± 5	± 5	± 5	see Note 2	± 2	—
v)	Method of Test, Ref to	IS 3442		IS 1963		IS 1964	IS 1954		Visual

NOTES
1 Count of Yarn is given for guidance only.
2 The length shall be not less than the declared or marked length.

Table 2 Requirements of Handloom Cotton Pugri Cloth, Bleached or Dyed
(Clause 4.2)

Sl No.	Characteristics	Requirements	Method of Test, Ref to
(1)	(2)	(3)	(4)
i)	Colour fastness rating to: a) Light b) Washing Test 4 c) Bleaching d) Perspiration	5 or better 4 or better 4 or better 4 or better	IS/ISO 105-B01 or IS/ISO 105-B02 IS/ISO 105-C10 IS/ISO 105-N01 IS/ISO 105-E04
ii)	Dimensional change, percent, <i>Max</i>	4.0	IS 2977
iii)	Scouring loss, percent, <i>Max</i>	2.5	IS 1383
iv)	pH value of the aqueous extract	6.0 to 8.5	IS 1390
v)	Fiber identification	100 percent cotton	IS 667

5 INSPECTION

5.1 The cloth when visually inspected should be reasonably free from the following defects:

- a) Weft crack or more than two missing picks across the width;
- b) Prominently noticeable weft bar due to the difference in raw material, count, twist, lustre, colour, shade, etc;
- c) More than two adjacent ends running parallel, broken or missing and extending beyond 15 cm;
- d) Prominent selvedge defects;
- e) Noticeable warp or weft float;
- f) Noticeable oil or other stains;
- g) Noticeable hole, cut or tear up to 3 mm in size;
- h) Smash rupturing the texture of the fabric; and
- j) Prominently noticeable dyeing defects (bars, streaks and patches, etc).

5.1.1 A reference may be made to IS 14466 for details of these defects.

6 SAMPLING

6.1 Lot

The quantity of handloom cotton cloth of the same variety, width and colour delivered to a buyer at a time shall constitute a lot.

6.2 To ascertain the conformity of the lot to the requirements of this standard, samples shall be drawn and inspected from each lot separately.

6.3 The number of pieces selected at random for inspection in accordance with Table 3.

6.4 For selection of samples at random from the lot, procedure given in IS 4905 may be followed

Table 3 Sample Size and Permissible Number of Non-Conforming Pieces
(Clause 6.3 and 6.5)

SI No.	Lot Size	Sample Size	Permissible No. of Non-Conforming Pieces	Sub Sample Size
(1)	(2)	(3)	(4)	(5)
i)	Up to 90	5	0	3
ii)	91 to 150	8	0	3
iii)	151 to 500	13	1	5
iv)	501 to 1200	20	1	5
v)	1201 to 10000	32	2	8
vi)	10001 to 35000	50	3	8
vii)	35001 to 500000	80	5	13
viii)	500001 and above	125	7	13

6.5 Number of Tests and Criteria for Conformity

<i>Sl No.</i>	<i>Characteristics</i>	<i>Number of Samples</i>	<i>Criteria for Conformity</i>
(1)	(2)	(3)	(4)
i)	Ends, picks, mass, length & width, indeterminable characteristics and visual inspection	According to co1 (3) of Table 3	Permissible number of non-conforming piece does not exceed the corresponding number given in co1 (4) of Table 3
ii)	Dimensional change, colour fastness, perspiration, scouring loss, pH value, and fiber identification	According to co1 (5) of Table 3	All the test specimens shall meet the corresponding requirements

7 MARKING

7.1 The cloth shall be suitably marked or labelled with the following information:

- a) Name of the material, and variety number;
- b) Manufacturer's name, initials or trade-mark;
- c) Month and year of manufacture;
- d) Length and width of piece;
- e) Indication of the source of manufacture; and
- f) Other declarations required as per law in force.

7.2 BIS Certification Marking

The product conforming to the requirements of this standard may be certified as per the conformity assessment schemes under the provisions of the *Bureau of Indian Standards Act, 2016* and the Rules and Regulations framed thereunder, and the product may be marked with the Standard Mark.

8 PACKING

Unless otherwise agreed upon by the buyer and the seller, the cloth shall preferably be packed in bales or cases in conformity with the procedure laid down either in IS 1347 or IS 293.

ANNEX A

(Clause 2)

LIST OF REFERRED STANDARDS

<i>IS No.</i>	<i>Title</i>
IS 171 : 1993	Textiles — Ring spun grey cotton yarn for weaving — Specification (<i>fourth revision</i>)
IS 293 : 1980	Code for seaworthy packaging of cotton yarn and cloth (<i>third revision</i>)
IS 667 : 1981	Methods for Identification of Textile Fibres (<i>first revision</i>)
IS 1347 : 1972	Specification for inland packaging of cotton cloth and yarn (<i>first revision</i>)
IS 1383 : 2023	Methods for Determination of Scouring Loss in Grey and Finished Cotton Textile Materials (<i>second revision</i>)
IS 1390 : 2022/ ISO 3071 : 2020	Textiles — Determination of pH of Aqueous Extract (<i>third revision</i>)
IS 1954 : 2024/ ISO 22198 : 2006	Textiles — Fabrics — Determination of Width and Length (<i>third revision</i>)
IS 1963 : 1981	Methods for determination of threads per unit length in woven fabrics (<i>second revision</i>)
IS 1964 : 2001	Textiles — Methods for determination of mass per unit length and mass per area of fabrics (<i>second revision</i>)
IS 2977 : 1989	Fabrics (other than wool) — Method for determination of dimensional changes on soaking in water (<i>first revision</i>)
IS 3442 : 2023	Textiles — Method for Determination of Crimp and Linear Density of Yarn Removed from Fabric (<i>second revision</i>)
Is 4905 : 2015/ ISO 24153 : 2009	Random sampling and randomization procedures (<i>first revision</i>)
IS 14466 : 1997/ ISO 8498 : 1990	Fabrics — Description of defects — Vocabulary
IS/ISO 105-B01 : 2014	Textiles — Tests for colour fastness — Part B01 Colour fastness to light: Daylight
IS/ISO 105-B02 : 2014	Textiles — Tests for Colour Fastness — Part B02 Colour Fastness to Artificial Light: Xenon Arc Fading Lamp Test
IS/ISO 105-C10 : 2006	Textiles — Tests for colour fastness — Part C10 Colour fastness to washing with soap or soap and soda
IS/ISO 105-E04 : 2013	Textiles — Tests for Colour Fastness — Part E04 Colour Fastness to Perspiration
IS/ISO 105-N01 : 1993	Textiles — Tests for colour fastness — Part N01 Colour fastness to bleaching: Hypochlorite