

वस्त्रादि — हथकरघा सूती अंगवस्त्रम —
विशिष्टि

(पहला पुनरीक्षण)

Textiles — Handloom Cotton
Angavastram — Specification

(First Revision)

ICS 59.080.30

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FOREWORD

This Indian Standard (First Revision) was adopted by the Bureau of Indian Standards, after the draft finalized by the Handloom and Khadi Sectional Committee had been approved by the Textiles Division Council.

The *Angavastrams*, also known as Dupattas, are commonly used as an important part of dress in the southern states. The standard has been prepared with a view to assist the handloom weavers in producing *Angavastrams* of right quality.

This standard was first published in 1974. The standard has been revised to incorporate the following changes:

- a) Test method for identification of material has been incorporated;
- b) All amendments have been incorporated;
- c) Marking clause has been modified;
- d) References to standards have been updated; and
- e) Sampling plan has been incorporated.

The composition of the Committee responsible for the formulation of this standard is given in [Annex B](#).

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 rounding 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.

Indian Standard

**TEXTILES — HANDLOOM COTTON ANGAVASTRAM —
SPECIFICATION**

(*First Revision*)

1 SCOPE

1.1 This standard prescribes the constructional particulars and other requirements of handloom cotton angavastram.

1.2 This standard does not specify the general appearance, feel, finish, etc of the fabric.

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 subjected to revision, and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent edition of these standards.

3 MANUFACTURE**3.1 Constructional Particulars**

Constructional particulars shall conform to those given in [Table 1](#). The yarn used shall conform to IS 171.

4 REQUIREMENTS

The requirements of fabric shall conform to those given in [Table 2](#).

5 INSPECTION

The cloth when visually inspected should be reasonably free from:

- a) weft crack of more than 2 missing picks across the width of the material;
- b) prominently noticeable weft bar due to the difference in raw material, count, twist, lustre, colour, shade or pick spacing of adjacent groups of weft yarn;
- c) more than two adjacent ends running parallel, broken or missing and extending beyond 15 cm;
- d) prominent selvedge defect;
- e) noticeable warp or weft float in the body of the material;
- f) noticeable oil or other stain in the material;
- g) noticeable hole, cut or tear up to 3 mm in size in the body of the fabric; and
- h) smash definitely rupturing the texture of the materials.

Above are some of the common defects. For details of these defects a reference may be made to IS 14466.

Table 1 Constructional Particulars of Handloom Cotton Angavastram

(Clause [3.1](#))

Sl No.	Variety No.	Approximate Count of Yarn		Ends/dm	Picks/dm
		Warp	Weft		
(1)	(2)	(3)	(4)	(5)	(6)
i)	1	80s (or 7.3 tex)	80s (or 7.3 tex)	324	332
ii)	2	80s (or 7.3 tex)	80s (or 7.3 tex)	316	308
iii)	3	100s (or 5.9 tex)	100s (or 5.9 tex)	362	354
Tolerance, percent	—	± 5	± 5	± 5	± 5
Method of Test, Ref to	—	IS 1315		IS 1963	

6 SAMPLING**6.1 Lot**

The quantity of handloom cotton *Angavastram* 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, sample shall be drawn and inspected from each lot separately.

6.3 The number of pieces to be selected at random for inspection shall be in accordance with [Table 3](#).

Table 2 Requirements of Handloom Cotton Angavastram

(Clause 4)

SI No.	Characteristic	Requirement	Method of Test, Ref to
(1)	(2)	(3)	(4)
i)	Dimensional changes, percent, <i>Max</i> :		IS 2977
	a) Grey	4	
	b) Bleached	2	
ii)	Scouring loss, percent, <i>Max</i> :		IS 1383
	a) Grey	10	
	b) Bleached	2.3	
iii)	Length	As agreed (<i>see Note</i>)	IS 1954
iv)	Width	As agreed (- 2 percent tolerance)	IS 1954
v)	Fibre identification	100 percent cotton	IS 667

NOTE — The usual lengths are 1.2, 1.3, 1.8, 2.1 or 2.7 m.

Table 3 Sample Size and Permissible Number of Non-Conforming Pieces

(Clause 6.3)

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 1 200	20	1	5
v)	1 201 to 10 000	32	2	8
vi)	10 001 to 35 000	50	3	8
vii)	35 001 to 500 000	80	5	13
viii)	500 001 and above	125	7	13

6.4 Number of Tests and Criteria for Conformity

<i>Sl No.</i>	<i>Characteristic(s)</i>	<i>Number of Tests</i>	<i>Criteria for Conformity</i>
(1)	(2)	(3)	(4)
i)	Visual inspection, ends, picks, count, length and width	According to col1 (3) of Table 3	Number of non-conforming pieces shall not exceed the corresponding number given in col1 (4) of Table 3
ii)	Dimensional change, fibre identification and scouring loss	According to col1 (5) of Table 3	All the pieces shall meet the requirement

7 MARKING

7.1 Each piece shall be marked or labelled with the following information:

- a) Name of the material;
- b) Variety No.;
- c) Manufacturer's name, initials or trade-mark;
- d) Length and width of piece;
- e) Count of warp and weft yarn;
- f) Indication of the source of manufacture; and
- g) 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 fabrics shall preferably be packed in bales or cases in conformity with the procedure laid down either in IS 1347 or IS 293 if not stipulated by the buyer.

ANNEX A

(Clause 2)

LIST OF REFERRED STANDARDS

<i>IS No.</i>	<i>Title</i>	<i>IS No.</i>	<i>Title</i>
IS 171 : 1993	Textiles — Ring spun grey cotton yarn for weaving — Specification (<i>fourth revision</i>)	IS 1954 : 2024/ ISO 22198 : 2006	Textiles — Fabrics — Determination of width and length (<i>third revision</i>)
IS 293 : 1980	Code for seaworthy packaging of cotton yarn and cloth (<i>third revision</i>)	IS 1963 : 1981	Methods for determination of threads per unit length in woven fabrics (<i>second revision</i>)
IS 667 : 1981	Methods for identification of textile fibres (<i>first revision</i>)	IS 2977 : 1989	Fabrics (other than wool) — Method for determination of dimensional changes on soaking in water (<i>first revision</i>)
IS 1315 : 1977	Method for determination of linear density of yarns spun on cotton system (<i>first revision</i>)	IS 14466 : 1997/ ISO 8498 : 1990	Fabrics — Description of defects — Vocabulary
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>)		

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ANNEX B

(Foreword)

COMMITTEE COMPOSITION

Handloom and Khadi Sectional Committee, TXD 08

<i>Organization</i>	<i>Representative(s)</i>
Weavers Service Centre, Delhi	SHRI VISHESH NAUTIYAL (<i>Chairperson</i>) SHRI VIKAS KUMAR (<i>Alternate</i>)
Center of Excellence for Khadi (COEK) - NIFT, New Delhi	REPRESENTATIVE
Central Pollution Control Board, New Delhi	SHRI P. K. MISHRA SHRI RISHABH SRIVASTAV (<i>Alternate</i>)
CRPF, New Delhi	SHRI D. P. UPADHYAY SHRI SANJEEV KUMAR SINGH (<i>Alternate</i>)
Department of Handlooms & Textiles, Chennai	SHRI THIRU R. RAGHUNATH SHRI THIRU K. MUNUSAMY (<i>Alternate</i>)
Fabindia, New Delhi	REPRESENTATIVE
Flag Foundation of India, New Delhi	SHRI ASHIM KOHLI
Gandhigram Rural Institute, Dindigul	DR B. SENTHIL KUMAR
Haryana Khadi Gramodyog Sangh, Karnal	SHRI PAWAN GARG SHRI R. S. YADAV (<i>Alternate</i>)
ICAR – Central Institute for Research on Cotton Technology, Mumbai (CIRCOT)	DR SUJATA SAXENA DR A. S. M. RAJA (<i>Alternate</i>)
Indian Institute of Handloom Technology (IIHT), Salem	DR P. THENNARASU
Indian Institute of Handloom Technology, Jodhpur	DR J. SIVAGNANAM
Indian Institute of Handloom Technology, Varanasi	DR AMIN HIRENBHAI NAVINBHAI SHRI JITENDER TAK (<i>Alternate</i>)
Indian Institute of Technology, Delhi	DR BIPIN KUMAR DR WAZED ALI (<i>Alternate</i>)
Indo Tibetan Border Police, New Delhi	SHRI UTTAM KUMAR SHRI ANAND KUMAR (<i>Alternate</i>)
Jan Sewa Ashram, Aligarh	SHRI R. K. SHARMA SHRI AKHILESH KUMAR AWASTHI (<i>Alternate</i>)
Karnatka Khadi Gramodyog Samyuktha Sangha, Hubli	SHRI K. V. PATTAR SHRI SHIVANANDA S. MATHAPATI (<i>Alternate</i>)
Khadi and Village Industries Commission, Mumbai	SHRI VIJAYSRIDHAR DR SENTIL KUMAR C. B. (<i>Alternate</i>)
Khadi Dyers & Printers, Mumbai	SHRI D. N. BHATT

<i>Organization</i>	<i>Representative(s)</i>
	SHRI V. D. JOSHI (<i>Alternate</i>)
Khadi Gramodyog Mandal, Rampur	SHRI RAKESH CHAUDHARY SHRI PRINCE CHAUDHARY (<i>Alternate</i>)
Kshetriya Khadi Gramodyog Samiti, Dausa	SHRI R. K. SINGH
Madhya Bharat Khadi Sangh, Gwalior	SHRIMATI NEELU MEKLE SHRI HARISH MEKLE (<i>Alternate</i>)
Mahatma Gandhi Institute for Rural Industrialization, Wardha	SHRI MAHESH KUMAR DR TAPAN RANJAN KAR (<i>Alternate</i>)
Metpalli Khadi Gramodyog Pratisthan, Metpalli	SHRI G. MADHAV
Ministries of Defence (DGQA), New Delhi	SHRI ARVIND COMPATHANE SHRI N. SENTHIL KUMAR (<i>Alternate</i>)
Ministries of Health, New Delhi	REPRESENTATIVE
National Handloom Development Corporation Ltd, Gautam Budh Nagar	DR SAKTHIVEL PERUMAL SAMY SHRI JITENDRA TOLAMBIYA (<i>Alternate</i>)
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Office of the Development Commissioner for Handlooms, New Delhi	SHRI SIDDHARTH SINGH SHRI VINAY KUMAR (<i>Alternate</i>)
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The Tamil Nadu Handloom Weavers' Cooperative Society Ltd, Chennai	SHRI T. N. VENKATESH, I.A.S. SHRI K. KATHIRESAN (<i>Alternate</i>)
BIS Directorate General	SHRI J. K. GUPTA, SCIENTIST 'E'/DIRECTOR AND HEAD (TEXTILES) [REPRESENTING DIRECTOR GENERAL (<i>Ex-officio</i>)]

Member Secretary
SHRI SWAPNIL
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