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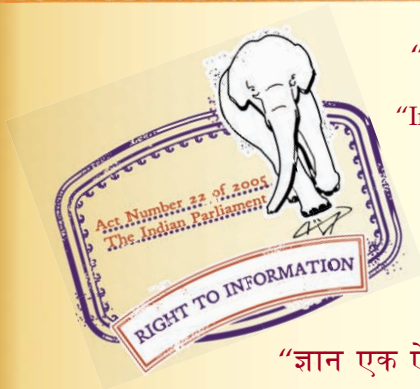
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IS 756 (1984): Handloom Cotton Dosuti and Ded-suti, Grey, Scoured, Bleached or Dyed. [TXD 8: Handloom and Khadi]



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Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”



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IS : 756 - 1984

*Indian Standard*

SPECIFICATION FOR  
HANDLOOM COTTON *DOSUTI* AND *DED-SUTI*,  
GREY, SCoured, BLEACHED OR DYED

( *First Revision* )

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INDIAN STANDARDS INSTITUTION  
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG  
NEW DELHI 110002

# Indian Standard

## SPECIFICATION FOR HANDLOOM COTTON *DOSUTI* AND *DED-SUTI*, GREY, SCOURED, BLEACHED OR DYED

( *First Revision* )

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# *Indian Standard*

## SPECIFICATION FOR HANDLOOM COTTON *DOSUTI* AND *DED-SUTI*, GREY, SCOURED, BLEACHED OR DYED

### *( First Revision )*

#### 0. FOREWORD

**0.1** This Indian Standard ( First Revision ) was adopted by the Indian Standards Institution on 10 August 1984, after the draft finalized by the Handloom and Khadi Sectional Committee had been approved by the Textile Division Council.

**0.2** This standard, which was first published in 1955, was based on G/Tex/ C-65C 'Specification for cotton dosuti, grey, bleached, coloured and scoured', issued by the DGS&D. This standard is being revised to make it up-to-date. In the present revision the following important changes have been made:

- 1) The number of varieties have been reduced from six to three.
- 2) Inspection, packing and marking clauses have been incorporated.

**0.3** 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 : 2-1960\*. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

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#### 1. SCOPE

**1.1** This standard prescribes the constructional particulars and other requirements of handloom cotton *DOSUTI* and *DED-SUTI*, grey, scourd, bleached or dyed.

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

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\*Rules for rounding off numerical values ( *revised* ).

## **2. TERMINOLOGY**

**2.1 *DOSUTI*** — An Indian term for a fabric with matt weave with two threads working as one in both warp and weft.

**2.2 *DED-SUTI*** — An Indian term for a fabric with matt weave with two threads working as one in warp and single thread in weft.

## **3. MANUFACTURE**

**3.1 Yarn** — The cotton yarn used in the manufacture of cloth shall be even and free from neps and spinning defects. The yarn shall be highly twisted.

**3.2 Fabric** — The fabric shall be free from substances liable to cause subsequent tendering.

## **4. REQUIREMENTS**

**4.1** The constructional particulars of *DOSUTI* and *DED-SUTI* shall conform to those given in Table 1.

**4.2** The colour fastness ratings of dyed cloth only 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.

**4.3.1** The custody of the sealed sample shall be a matter of prior agreement between the buyer and the seller.

## **5. INSPECTION**

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

- a) More than two adjacent ends running parallel, broken or missing and extending beyond 20 cm;
- b) Weft crack or more than two missing picks across the width of the material;
- c) Prominently noticeable weft bar due to the difference in raw material, count, twist, lustre, etc;
- d) Noticeable selvage defects;
- e) Noticeable warp or weft float in the body;
- f) Noticeable oil or other stains;
- g) Noticeable hole, cut or tear up to 3 mm size;



**TABLE 1 CONSTRUCTIONAL PARTICULARS OF HANDLOOM COTTON *DOSUTI*|*DED-SUTI*,  
GREY, SCoured, BLEACHED OR DYED**

( Clause 4.1 )

VARI- ETY No.	COUNT OF YARN		ENDS/ cm	PICKS/ cm	MASS GREY	LENGTH	WIDTH	WEAVE
	Warp	Weft						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	Cotton Count ( Universal Count )	Cotton Count ( Universal Count )			g/m <sup>2</sup>	m	cm	
1.	2/20s ( 30 tex × 2 )	2s/20s ( 30 tex × 2 )	10 ( double )	10 ( double )	260	20 or as agreed	90, 100 150 & 230 or as agreed	Plain weave with two warp threads working as one and two weft threads laid as one pick.
2.	14s ( 42 tex )	10s ( 59 tex )	12 ( double )	19 ( single )	235			Plain weave with two warp threads working as one.
3.	14s ( 42 tex )	14s ( 42 tex )	12 ( double )	14 ( double )	255			Plain weave with two warp threads working as one and two weft threads laid as one pick.
TOLERANCE, — PERCENT		—	± 5	± 5	± 5	See Note	± 2	—
METHOD OF — TEST		—	IS : 1963-1981*		IS : 1964-1970†	1954-1969‡		Visual

NOTE — The length shall be not less than the declared or marked value.

\*Methods for determination of threads per unit length in woven fabrics ( *second revision* ).

†Methods for determination of weight per square metre and weight per linear metre of fabrics ( *first revision* ).

‡Methods for determination of length and width of fabrics ( *first revision* ).

- h) Smash rupturing the texture of the fabric;
- j) Undressed snarls noticeable throughout the piece;
- k) Conspicuous gout due to foreign matter usually lint or waste woven;
- m) Conspicuous broken pattern;
- n) Prominently noticeable dyeing defect, in case of dyed cloth; and
- p) Any other flaw which would mar the appearance or affect the serviceability and/or durability of the cloth.

**TABLE 2 REQUIREMENTS OF HANDLOOM COTTON *DOSUTI/DED-SUTI*, GREY, SCoured, BLEACHED OR DYED**

( Clause 4.2 )

SL No.	CHARACTERISTIC	REQUIREMENT	METHOD OF TEST
(1)	(2)	(3)	(4)
i)	Colour fastness to		
	a) Light	4 or better	IS : 686-1957* or IS : 2454-1967†
	b) Washing: Test 4:		
	1) Change in colour	4 or better	IS : 765-1979‡
	2) Staining on cotton	4 or better	
ii)	Scouring loss percent, <i>Max</i>		
	a) Scoured, bleached or dyed	2.5	IS : 1383-1977§ ( Mild Method )
	b) Grey	10	

\*Method for determination of colour fastness of textile materials to daylight.

†Method for determination of colour fastness of textile materials to artificial light ( xenon lamp ).

‡Method for determination of colour fastness of textile materials to washing: Test 4 ( *second revision* ).

§Method for determination of scouring loss in grey and finished cotton textile materials ( *first revision* ).

**5.1.1** A reference may be made to IS : 4125-1967\* for details of these defects.

## 6. MARKING

**6.1** 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; and
- c) Length and width of the cloth.

\*Glossary of terms pertaining to defects in fabrics.

### 6.1.1 The cloth may also be marked with the ISI Certification Mark.

NOTE — The use of the ISI Certification Mark is governed by the provisions of the Indian Standards Institution ( Certification Marks ) Act and the Rules and Regulations made thereunder. The ISI Mark on products covered by an Indian Standard conveys the assurance that they have been produced to comply with the requirements of that standard under a well-defined system of inspection, testing and quality control which is devised and supervised by ISI and operated by the producer. ISI marked products are also continuously checked by ISI for conformity to that standard as a further safeguard. Details of conditions under which a licence for the use of the ISI Certification Mark may be granted to manufacturers or processors, may be obtained from the Indian Standards Institution.

## 7. PACKING

7.1 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 in IS : 1347-1972\* or IS : 293-1980†.

## 8. SAMPLING

8.1 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.

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

8.3 The number of pieces selected at random for inspection shall be in accordance with Table 3.

**TABLE 3 SAMPLE SIZE AND PERMISSIBLE NUMBER OF NON-CONFORMING PIECES**

LOT SIZE	SAMPLE SIZE	PERMISSIBLE NUMBER OF NON-CONFORMING PIECES	SUB-SAMPLE SIZE
(1)	(2)	(3)	(4)
Upto 25	3	0	2
26 to 50	5	0	2
51 „ 150	8	0	3
151 „ 300	13	1	3
301 „ 500	20	1	5
501 „ 1 000	32	2	5
1 001 and above	50	3	8

8.4 For selection of samples at random from the lot, procedure given in IS : 4905-1968‡ may be followed.

\*Specification for inland packaging of cotton cloth and yarn ( *first revision* ).

†Code for seaworthy packaging of cotton yarn and cloth ( *third revision* ).

‡Methods for random sampling.

## **8.5 Number of Tests and Criteria for Conformity**

<i>Characteristics</i>	<i>Number of Tests</i>	<i>Criteria for Conformity</i>
Ends, picks, mass, length and width, indeterminate characteristics and visual inspection	According to col 2 of Table 3	Number of non-conforming pieces shall not exceed the corresponding number given in col 3 of Table 3
Colour fastness to washing and scouring loss	According to col 4 of Table 3	All the test specimens meet the requirements
Colour fastness to light	2 for lot size of 300 or less and 3 for lot sizes of 301 and above	do

( Continued from page 2 )

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# INTERNATIONAL SYSTEM OF UNITS ( SI UNITS )

## Base Units

<i>Quantity</i>	<i>Unit</i>	<i>Symbol</i>
Length	metre	m
Mass	kilogram	kg
Time	second	s
Electric current	ampere	A
Thermodynamic temperature	kelvin	K
Luminous intensity	candela	cd
Amount of substance	mole	mol

## Supplementary Units

<i>Quantity</i>	<i>Unit</i>	<i>Symbol</i>
Plane angle	radian	rad
Solid angle	steradian	sr

## Derived Units

<i>Quantity</i>	<i>Unit</i>	<i>Symbol</i>	<i>Definition</i>
Force	newton	N	1 N = 1 kg.m/s <sup>2</sup>
Energy	joule	J	1 J = 1 N.m
Power	watt	W	1 W = 1 J/s
Flux	weber	Wb	1 Wb = 1 V.s
Flux density	tesla	T	1 T = 1 Wb/m <sup>2</sup>
Frequency	hertz	Hz	1 Hz = 1 c/s (s <sup>-1</sup> )
Electric conductance	siemens	S	1 S = 1 A/V
Electromotive force	volt	V	1 V = 1 W/A
Pressure, stress	pascal	Pa	1 Pa = 1 N/m <sup>2</sup>



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