

AMENDMENT NO. 1 AUGUST 2016
TO
IS 16186 : 2014 TEXTILES — LIGHT WEIGHT JUTE SACKING BAGS FOR
PACKING 50 kg FOODGRAINS — SPECIFICATION

(Page 1, clause 4.1) — Substitute the following for the existing clause:

4.1 The bags shall be made from single piece of 2/1 twill weave sacking of uniform construction as given below having nominal mass of 504 g/m² with warp running along length of bag:

- a) *Type A* — Single warp, double weft woven on modern shuttleless loom.
- b) *Type B* — Double warp, single weft woven on conventional shuttle loom.

There shall be a single blue stripe, or stripes woven along the length of the bag or the bag shall be without stripe as agreed to between the buyer and the seller. The constructional particulars of sacking used in the fabrication of the bags shall be such that the bags meet the requirements specified in Table 1.’

[Page 2, Table 1, Sl No. (ii), (v) and (vi)] — Substitute the following for the existing:

Table 1 Requirements of Jute Bags
(Clauses 4.1 and 5.1)

Sl No.	Characteristic	Requirement		Tolerance	Method of Test, Ref to Clause of IS 9113
		Type A (3)	Type B (4)		
(1)	(2)	(3)	(4)	(5)	(6)
ii)	Ends/dm	46	64	Type A ±2 Type B +4 - 3	8.4.2
v)	Average breaking strength of sacking (ravelled-strip method, 10 cm × 20 cm), <i>Min</i> , N (kgf):				8.6.2
	a) Warpway	1 225(125)	1 225(125)		
	b) Weftway	1 225(125)	1 225(125)		
vi)	Average seam strength (5 cm × 20 cm ravelled strip), <i>Min</i> , N (kgf)	431(44)	431(44)		8.7

(Page 3, clauses 8.3, 8.4, 8.4.1, 8.4.2 and 8.4.3) — Substitute the following for the existing clauses:

8.3 Sample Size for Bags

For freedom from defects, length, width, ends/dm, picks/dm, number of stitch/dm, mass per bag and moisture regain, 7 bags shall be selected at random from each of the bales selected as per 8.2. The total number of bags to be tested from each lot for these requirements is given in col 5 of Table 4.

8.4 Criteria for Conformity

8.4.1 Criteria for Conformity for Freedom from Defects

Each bag selected in the sample shall be tested for freedom from defects. A bag shall be termed as defective, if it contains two or more major defects (*see* Annex A). A lot shall be considered conforming to this requirement, if the number of defectives is less than or equal to the acceptance number given in col 6 of Table 4. Acceptance numbers given in Table 4 are on the basis of an AQL of 4.0 percent.

8.4.1.1 Criteria for conformity for length and width

The dimension of at least 90 percent of the bags under test shall be in accordance with the requirement specified. Out of the remaining bags (10 percent, *Max*), dimension of not a single bag is below the specified nominal value by more than 2.0 cm and 1.0 cm in case of length and width, respectively.

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8.4.2 Criteria for Conformity for Ends/dm, Picks/dm, Number of Stitches/dm and Moisture Regain

The lot which meets the requirements of 8.4.1 and 8.4.1.1 shall be tested for ends/dm, picks/dm, number of stitches/dm and moisture regain as per the plan. A bag shall be termed as defective, if it fails to meet any one or more of these requirements. The lot shall be considered as conforming to the requirements of ends/dm, picks/dm, number of stitches/dm and moisture regain, if the total number of defective found in the sample is less than or equal to the corresponding acceptance number given in col 6 of Table 4.

8.4.3 Criteria for Conformity for Mass per Bag

The lot, which meets the above requirements, shall then be tested for mass of bag. The lot shall be declared as conforming to this requirement, if

- a) the average corrected value of mass per bag as obtained for sampled bags under test is not less than nominal value specified.
- b) the corrected mass of at least 80 percent of bags under test is in accordance with requirement specified.
- c) out of remaining bags (20 percent, *Max*), all bags may have corrected mass above the specified limit, but corrected mass of not more than 10 percent of sampled bags under test is below the specified value by more than 12 percent of specified nominal value.'

(Page 3, Table 4) — Substitute the following for the existing table:

Table 4 Sample Size and Acceptance Numbers
[Clauses 8.2, 8.3, 8.4.1, 8.4.1.1 and 8.4.2]

Sl No.	No. of Bales in the Lot	No. of Bales in the Sample	For Number of Stitches/dm, Ends/dm, Picks/dm, Moisture Regain		
			No. of Bags from Each Bale	Total Number of Bags in Sample	Acceptance Number
(1)	(2)	(3)	(4)	(5)	(6)
i)	Up to 25	5	7	35	5
ii)	26 to 90	8	7	56	6
iii)	91 to 300	12	7	84	8
iv)	301 to 500	18	7	126	10

NOTE — If the number of bales in a consignment exceeds 500, the same shall be split into number of lots each comprising maximum of 500 bales. Joined bags shall also be drawn during sampling of bags for visual inspection and breaking strength test.