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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

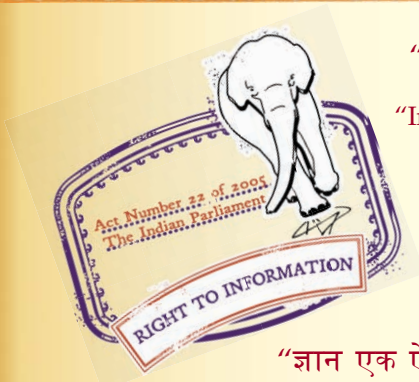
“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 2662 (1978): packages for use of libraries [CED 51: Planning, Housing and pre-fabricated construction]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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IS : 2662 - 1978

Indian Standard
SPECIFICATION FOR
PACKAGES FOR USE OF LIBRARIES
(*First Revision*)

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Indian Standard

SPECIFICATION FOR PACKAGES FOR USE OF LIBRARIES

(*First Revision*)

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Indian Standard
SPECIFICATION FOR
PACKAGES FOR USE OF LIBRARIES
(*First Revision*)

0. FOREWORD

0.1 This Indian Standard (First Revision) was adopted by the Indian Standards Institution on 30 January 1978, after the draft finalized by the Library Buildings, Fittings and Furniture Sectional Committee had been approved by the Civil Engineering Division Council.

0.2 This Indian Standard was first published in 1964. The first revision has been prepared as a result of a review of the standard in the light of present day requirements and the comments received from different organizations. In this revision, corrugated fibreboard has been allowed as an alternative material for packages.

0.3 The laws of library science do not allow books merely to be stored but decree that every effort should be made to bring the books and their readers together, whether by bringing the reader to the book (open access library) or the books to the reader either in cities (home delivery service) or in villages and branch libraries in towns (transport service).

0.3.1 Many libraries in this country have begun home delivery service. Libraries will also be sending out books to villages and to branch libraries. Libraries therefore need a uniform and safe system for packing books for transport. Such a system has to cater to the following situations of use:

- a) For the library to send out a few books to a reader unable to come to the library and for the reader to return them to the library (individual delivery service).
- b) For the library to send out a large consignment of books either as a head load or on a bicycle for distribution at homes of readers (home delivery service).
- c) For the library to send out a consignment of books through public transport either by rail or by road.

0.3.2 The use of packages for books greatly facilitates transport of books and this standard is intended to give guidance regarding the manufacture and use of such packages. Packages may also be used by other agencies who send out books apart from libraries.

0.3.3 In prescribing the requirements for the types of packages mentioned above, special attention has been paid to the prevention of possible damage to books during transit.

0.4 In the formulation of this standard due weightage has been given to international co-ordination among the standards and practices prevailing in different countries in addition to relating it to the practices in this field in this country.

0.5 This standard is one of a series of Indian Standards covering requirements for library buildings, fittings and furniture. A list of Indian Standards published so far in the series is given on page 8.

0.6 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*. 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 covers packing and requirements of packages for transport of books for use by libraries.

2. TERMINOLOGY

2.0 For the purpose of this standard, the following definition shall apply.

2.1 Package — A container in which books shall be packed for transport (*see* Fig. 1).

3. MATERIALS

3.1 Canvas — Canvas shall conform to variety No. 4 of IS : 1424-1970†.

3.2 Corrugated Fibreboard — Corrugated fibreboard shall conform to IS : 2771 (Part I)-1977‡.

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

†Specification for cotton canvas (*first revision*).

‡Specification for fibreboard boxes: Part I Corrugated fibreboard boxes (*first revision*).

3.3 Cushioning Material — The cushioning material shall satisfy the following requirements:

- a) It shall not crumble or break into small particles when repeatedly handled;
- b) It shall not cause deterioration of the fabric;
- c) It shall not absorb or retain moisture from its surroundings or retain moisture to such an extent as to transmit it to the books;
- d) It shall be proofed against fungus, mould, mildew, etc; and
- e) It shall be resilient.

4. DIMENSIONS AND TOLERANCES

4.1 The internal dimensions of the package shall be as given in Table 1.

TABLE 1 INTERNAL DIMENSIONS OF PACKAGES

(Clause 4.1, and Fig. 1)

All dimensions in millimetres.

TYPE	USAGE	LENGTH	WIDTH	HEIGHT
(1)	(2)	(3)	(4)	(5)
A	Home delivery service	600	250	500
B	Transport service	600	500	500

4.1.1 In case of packages made of canvas, the internal dimensions shall be measured in fully stretched condition.

NOTE 1 — The average weight of the book may be taken as one kilogram; and the maximum size of the book be taken as $30 \times 25 \times 5$ cm.

NOTE 2 — The maximum number of books accommodated at a time in a package is to be 20 for home delivery service and 40 for transport service.

NOTE 3 — For individual readers (see 5.3), the size of the package shall accommodate from 3 to 6 books.

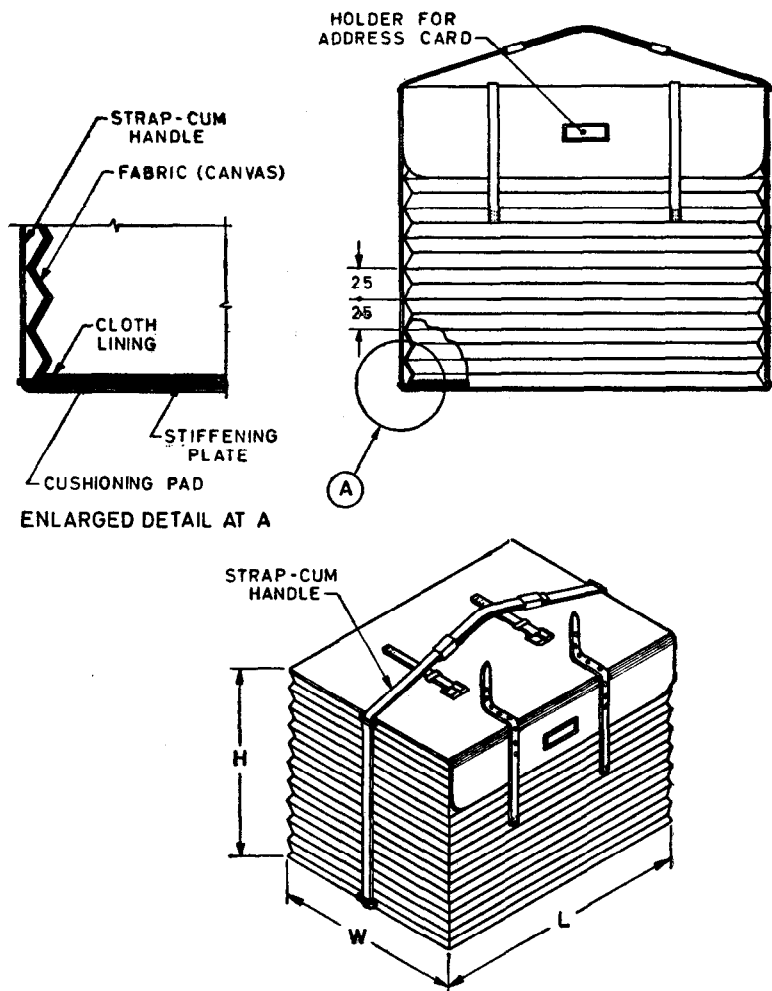
4.2 Tolerances — The tolerance for the dimensions specified in Table 1 shall be ± 5 mm.

5. MANUFACTURE

5.1 Package Made of Corrugated Fibreboard — The package for use in libraries, manufactured from corrugated fibreboard (see 3.2) shall be lined with bitumen impregnated paper conforming to Grade G of IS : 5134-1969*.

*Specification for bitumen impregnated paper and board.

5.2 Package Made of Canvas — A typical illustration of the package manufactured from a flexible and waterproof material like canvas (see 3.1) is shown in Fig. 1.



All dimensions in millimetres.

FIG. 1 TYPICAL SKETCH OF A PACKAGE MADE OF CANVAS

5.2.1 Bottom — The bottom of the package shall be made stiff by inserting a non-corrosive metallic plate or other similar materials, lined with the cushioning material (*see* Fig. 1).

5.2.2 Sides — The two sides shall also be stiffened in the same way as given in 5.2.1 up to the necessary height.

5.2.3 Strap (Handle) — The package shall have a suitable strap (handle) which shall carry the entire load.

5.2.4 Fastenings — To secure the flap of the package safe, fastenings shall be provided.

5.2.5 Flap — The flaps of the package may have the address of the library printed and a label holder for the address of the receiving party.

5.2.6 Strength — Each package shall be so stitched that it can carry twice the load for which it is designed.

5.3 Package for Individual Readers — Books shall be packed in properly designed corrugated board carton conforming to IS:1776-1961* so as to cover all the sides.

5.4 The design of the package shall be such that it shall be easy for handling and transport, provide protection against damage likely to occur to books particularly to the backs and corners during transit.

6. MARKING

6.1 The package shall be marked with a suitable mark identifying the manufacturer's name and the size.

6.1.1 The package 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.

*Specification for folding box board, uncoated.

INDIAN STANDARDS

ON

LIBRARY BUILDINGS, FITTINGS AND FURNITURE

IS:

- 1553-1976 Recommendations relating to primary elements in the design of library buildings (*first revision*)
- 1829 (Part I)-1961 Library furniture and fittings: Part I Timber
- 1829 (Part II)-1977 Library furniture and fittings: Part II Steel
- 2661-1964 Librachine (mobile library)
- 2662-1978 Packages for use of libraries (*first revision*)
- 2663-1977 Recommendations relating to primary elements in the design of buildings for archives (*first revision*)
- 8338-1976 Recommendations relating to primary elements in the design of school library buildings

INTERNATIONAL SYSTEM OF UNITS (SI UNITS)

Base Units

QUANTITY	UNIT	SYMBOL
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

QUANTITY	UNIT	SYMBOL
Plane angle	radian	rad
Solid angle	steradian	sr

Derived Units

QUANTITY	UNIT	SYMBOL	CONVERSION
Force	newton	N	1 N = 0.101 972 kgf
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 ²
Frequency	hertz	Hz	1 Hz = 1 c/s (s ⁻¹)
Electric conductance	siemens	S	1 S = 1 A/V
Pressure, stress	pascal	Pa	1 Pa = 1 N/m ²

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