

इंटरनेट

मानक

Disclosure to Promote the Right To Information

Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

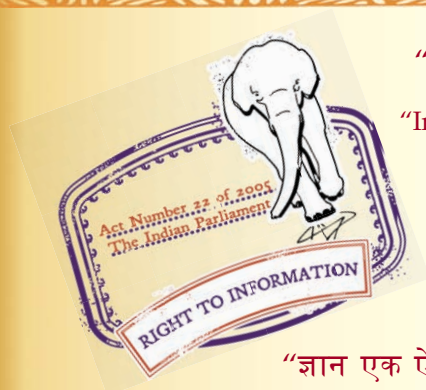
“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 1200-10 (1973): Method of measurement of building and civil engineering works, Part 10: ceiling and linings [CED 44: Methods of Measurement of Works of Civil Engineering]



“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”

BLANK PAGE



IS : 1200 (Part X) - 1973
(Reaffirmed 2007)

Indian Standard

METHOD OF MEASUREMENT OF
BUILDING AND CIVIL ENGINEERING WORKS

PART X CEILING AND LININGS

(*Second Revision*)

Fifth Reprint JUNE 2008

(Incorporating Amendment No. 1 and Including Amendment No. 2)

UDC 69.003.12 : 69.025.4

© Copyright 1979

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

*Indian Standard***METHOD OF MEASUREMENT OF
BUILDING AND CIVIL ENGINEERING WORKS****PART X CEILING AND LININGS***(Second Revision)*

Civil Works Measurement Sectional Committee, BDC 44

Chairman

SHRI V. R. VAISH

Representing

Bureau of Public Enterprises, Ministry of Finance

Members

SHRI N. P. ACHARYYA

SHRI R. G. ANAND

ASSISTANT ADVISER (PHE)

SHRI B. G. BALJEKAR

SHRI P. L. BHASIN

CHIEF ENGINEER

CHIEF ENGINEER (R&B)

Calcutta Port Trust

Indian Institute of Architects, Bombay

Ministry of Works, Housing, Health & Family
Planning

Hindustan Steel Works Construction Ltd, Calcutta

Institute of Surveyors, New Delhi

Heavy Engineering Corporation Ltd, Ranchi

Public Works Department, Government of Andhra
Pradesh**SUPERINTENDING ENGINEER****(PLANNING & DESIGN) (Alternate)**

SHRI R. K. CHOUDHRY

SHRI P. S. RAO (Alternate)

SHRI V. B. DESAI

DIRECTOR (RATES & COSTS)

DEPUTY DIRECTOR (RATES

& COSTS) (Alternate)

DIRECTOR, IRI

Bhakra Management Board, Nangal Township

Hindustan Construction Co Ltd, Bombay

Central Water & Power Commission, New Delhi

Irrigation Department, Government of Uttar
Pradesh

SHRI P. K. DOCTOR

SHRI D. S. VIJAYENDRA (Alternate)

EXECUTIVE ENGINEER (PLANNING

& DESIGNS) NORTHERN

RAILWAY

SHRI P. N. GADI

SHRI W. J. daGAMA

SHRI V. G. HEGDE

SHRI J. P. SHARMA (Alternate)

Concrete Association of India, Bombay

Ministry of Railways

Institution of Engineers (India), Calcutta

Bombay Port Trust, Bombay

National Buildings Organization, New Delhi

(Continued on page 2)

© Copyright 1979

BUREAU OF INDIAN STANDARDS

This publication is protected under the *Indian Copyright Act* (XIV of 1957) and reproduction in whole or in part by any means except with written permission of the publisher shall be deemed to be an infringement of copyright under the said Act.

IS: 1200 (Part X) - 1973

(Continued from page 1)

<i>Members</i>	<i>Representing</i>
SHRI G. V. HINGORANI	Gammon India Ltd, Bombay
SHRI H. K. KHOSLA	Irrigation Department, Government of Haryana
SHRI KRISHAN KUMAR	Ministry of Shipping & Transport (Roads Wing)
SHRI L. R. KADIYALI (Alternate)	
SHRI K. K. MADHOK	Builders Association of India, Bombay
SHRI MUNISH GUPTA (Alternate)	
SHRI R. S. MURTHY	Engineer-in-Chief's Branch, Army Headquarters, New Delhi
SHRI V. V. SASIDARAN (Alternate)	
SHRI T. S. MURTHY	National Project Construction Corporation, New Delhi
SHRI K. N. TANEJA (Alternate)	
SHRI C. B. PATEL	M. N. Dastur & Co Private Ltd, Calcutta
SHRI B. C. PATEL (Alternate)	
SHRI Y. G. PATEL	Patel Engineering Co Ltd, Bombay
SHRI C. K. CHOKSHI (Alternate)	
SHRI A. A. RAJU	Hindustan Steel Ltd, Ranchi
SHRI S. SRINIVASAN (Alternate)	
SHRI K. G. SALVI	Hindustan Housing Factory Ltd, New Delhi
SHRI G. B. SINGH (Alternate)	
SECRETARY	Central Board of Irrigation and Power, New Delhi
DR R. B. SINGH	Banaras Hindu University, Varanasi
SUPERINTENDING SURVEYOR OF WORKS (AVIATION)	Central Public Works Department (Aviation), New Delhi
SURVEYOR OF WORKS (I) ATTACHED TO SSW (AVIATION) (Alternate)	
SUPERINTENDING SURVEYOR OF WORKS (I)	Central Public Works Department, New Delhi
SURVEYOR OF WORKS (I) ATTACHED TO SSW (I) (Alternate)	
TECHNICAL EXAMINER	Buildings and Communication Department, Govern- ment of Maharashtra
SHRI D. AJITHA SIMHA, Director (Civ Engg)	Director General, BIS (Ex-officio Member)

Secretary

SHRI K. M. MATHUR
Assistant Director (Civ Engg), BIS

**AMENDMENT NO. 2 FEBRUARY 1989
TO
IS : 1200 (Part 10) - 1973 METHOD OF
MEASUREMENT OF BUILDING AND CIVIL
ENGINEERING WORKS**

PART 10 CEILING AND LININGS

(Second Revision)

(Page 5, clause 3.4, line 1) — Substitute the words ‘each of opening’ for the word ‘openings’.

(BDC 44)

Indian Standard

METHOD OF MEASUREMENT OF BUILDING AND CIVIL ENGINEERING WORKS

PART X CEILING AND LININGS

(Second Revision)

0. FOREWORD

0.1 This Indian Standard (Part X) (Second Revision) was adopted by the Indian Standards Institution on 16 February 1973, after the draft finalized by the Civil Works Measurement Sectional Committee had been approved by the Civil Engineering Division Council.

0.2 Measurement occupies a very important place in the planning and execution of any civil engineering work from the time of first estimates to the final completion and settlement of payments for a project. Methods followed for measurement are not uniform and considerable differences exist among practices followed by different construction agencies and also among various Central and State Government departments. While it is recognized that each system of measurement has to be specifically related to administrative and financial organizations within a department responsible for the work, a unification of various systems at technical level has been accepted as very desirable, specially as it permits a wider range of operation for civil engineering contractors and eliminates ambiguities and misunderstandings of various systems followed.

0.3 Among various civil engineering items, measurement of buildings was the first to be taken up for standardization and this standard having provisions relating to building work was first published in 1958 and was revised in 1964.

0.4 In the course of usage of this standard by various construction agencies in the country, several clarifications and suggestions for modifications were received and as a result of study, the technical committee responsible for this standard decided that its scope besides being applicable to buildings should be expanded to cover method of measurement for civil engineering works, like industrial and river valley projects works.

0.5 Since different trades are not related to one another, the Sectional Committee decided that each trade as given in IS:1200-1964* shall be

*Method of measurement of building works (revised).

IS: 1200 (Part X) - 1973

issued separately as a different part. This will also be helpful to users in using the specific standard.

0.5.1 This part covers method of measurement of ceiling and linings applicable to buildings as well as to civil engineering works.

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 measurement, 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 (Part X) covers the method of measurement of ceilings and linings for buildings and civil engineering works.

2. GENERAL RULES

2.1 Clubbing of Items — Items may be clubbed together provided that the break-up of the clubbed items is agreed to be on the basis of the detailed description of the items stated in this standard.

2.2 Booking of Dimensions — In booking dimensions, the order shall be consistent and generally in the sequence of length, breadth or width and height or depth or thickness.

2.3 Description of Items — The description of each item shall, unless otherwise stated, be held to include where necessary, conveyance and delivery, handling, unloading, storing, fabrication, hoisting, all labour for finishing to required shape and size.

2.4 Measurements — Unless otherwise stated here-in-after all works shall be measured net in decimal system, as fixed in its place, as given in 2.4.1 and 2.4.2.

2.4.1 Dimension shall be measured to the nearest 0.01 m.

2.4.2 Areas shall be worked out to the nearest 0.01 m².

2.5 Bills of Quantities — The bills of quantities shall fully describe the materials and workmanship, and accurately represent the work to be executed.

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

2.6 Each type of work in ceiling and lining shall be measured separately.

3. MEASUREMENT

3.1 The materials, its thickness and method of fixing, shall be described. Supporting members shall be measured separately in the relevant part of this standard, unless otherwise specified.

3.2 If work is to be formed to any specific pattern, it shall be so stated.

3.2.1 Work formed to circular surfaces shall be measured separately; if fixed with screws, it shall be so stated. All straight and raking cutting and waste shall be included with the item concerned.

3.3 All work unless otherwise described shall be measured as flat in square metres.

3.4 No deduction in measurement shall be made for openings not exceeding 0.4 m^2 and no extra measurement shall be made for forming such openings. For any opening exceeding 0.4 m^2 in area, deductions in measurements for the full openings shall be made and in such cases any labour involved in making these openings shall be measured separately.

3.5 Boarding fixed to curved surfaces in width not exceeding 15 cm shall be measured separately and shall include shooting the edges to proper splays.

3.6 Circular cutting and waste shall be measured in running metres stating the thickness and type of material.

3.7 Cover fillets over joints shall be measured separately in running metres stating the material, width and thickness of fillet. If the edges of fillets are chamfered, rounded or moulded, this shall be stated. Mitring at junctions shall be included in the description.

3.8 Sealing joints of plaster or fibre boards shall be measured in running metres. The method of sealing shall be described.

3.9 Chamfering or rounding edges of fibre boarding and cutting V-groove in the same shall be measured in running metres.

3.10 Insulation boards and slabs fixed to surfaces shall be measured in square metres stating type, the number of layers, thickness of each layer and the method of fixing.

3.10.1 Hollow insulation blocks shall be measured in square metres specifying the thickness. The method of setting and the type of mortar shall be described.

BUREAU OF INDIAN STANDARDS

Headquarters:

Manak Bhavan, 9 Bahadur Shah Zafar Marg, NEW DELHI 110002

Telephones 23230131, 23233375, 23239402

Fax 91+011 23239399, 23239382

E-Mail info@bis.org.in

website <http://www.bis.org.in>

Central Laboratory:

Plot No 20/9, Site IV, Sahibabad Industrial Area, SAHIBABAD 201010

Telephone

277 0032

Regional Offices:

Central	Manak Bhavan, 9 Bahadur Shah Zafar Marg, NEW DELHI 110002	2323 7617
*Eastern	1/14 CIT Scheme VII M, V I P Road, Kankurgachi, KOLKATA 700054	2337 8662
Northern	SCO 335-336, Sector 34-A, CHANDIGARH 160022	260 9285
Southern	C I T Campus, IV Cross Road, CHENNAI 600113	2254 1984
†Western	Manakalaya, E9, MIDC, Behind Marol Telephone Exchange, Andheri (East), MUMBAI 400093	2832 9295

Branch Offices:

'Pushpak', Nurmohamed Shaikh Marg, Khanpur, AHMEDABAD 380001	560 1348
Peenya Industrial Area, 1 st Stage, Bangalore-Tumkur Road, BANGALORE	839 4955
Commercial-cum-Office Complex, Opp Dushera Maidan, Arera Colony, Bittan Market, BHOPAL 462016	242 3452
62-63, Ganga Nagar, Unit VI, BHUBANESHWAR 751001	240 3139
5 th Floor, Kovai Towers, 44 Bala Sundaram Road, COIMBATORE 641018	221 0141
SCO 21, Sector 12, Faridabad 121007	229 2175
Savitri Complex, 116 G T Road, GHAZIABAD 201001	286 1498
53/5 Ward No 29, R G Barua Road, 5th By-lane, Apurba Sinha Path, GUWAHATI 781003	245 6508
5-8-56C, L N Gupta Marg, Nampally Station Road, HYDERABAD 500001	2320 1084
Prithavi Raj Road, Opposite Bharat Overseas Bank, C-Scheme, JAIPUR 302001	222 3282
11/418 B, Sarvodaya Nagar, KANPUR 208005	223 3012
Sethi Bhawan, 2 nd Floor, Behind Leela Cinema, Naval Kishore Road, LUCKNOW 226001	261 8923
H No 15, Sector-3, PARWANOO, Distt Solan (H P) 173220	235 436
Plot No A-20-21, Institutional Area, Sector 62, Goutam Budh Nagar, NOIDA 201307	240 2206
Patliputra Industrial Estate, PATNA 800013	226 2808
Plot Nos 657-660, Market Yard, Gultkdi, PUNE 411037	2427 4804
"Sahajanand House" 3 rd Floor, Bhaktinagar Circle, 80 Feet Road, RAJKOT 360002	237 8251
T C No 2/275 (1 & 2), Near Food Corporation of India, Kesavadasapuram-Ulloor Road, Kesavadasapuram, THIRUVANANTHAPURAM 695004	255 7914
1 st Floor, Udyog Bhavan, VUDA, Sirpuram Junction, VISHAKHAPATNAM-03	271 2833
*Sales Office is at 5 Chowringhee Approach, PO Princep Street, KOLKATA 700072	2355 3243
†Sales Office (WRO) Plot No E-9, MIDC, Rd No 8, Behind Telephone Exchange, Andheri (East), Mumbai-400 0093	2832 9295