STANDARD INDUSTRI PEMBINAAN

(CONSTRUCTION INDUSTRY STANDARD)

CIS 18:2018

MANUAL FOR IBS CONTENT SCORING SYSTEM (IBS SCORE)

Description: Scoring system, calculation guide

CONSTRUCTION INDUSTRY DEVELOPMENT BOARD MALAYSIA

CIDB MALAYSIA

Construction Industry Development Board Malaysia

LEMBAGA PEMBANGUNAN INDUSTRI PEMBINAAN MALAYSIA

CIDB, Level 10, Menara Dato' Onn, Pusat Dagangan Dunia Putra
No 45, Jalan Tun Ismail, 50480 Kuala Lumpur.
Tel: 603-4047 7000 Fax: 603-4047 7070
http://www.cidb.gov.my

MANUAL FOR IBS CONTENT SCORING SYSTEM (IBS SCORE)

CIDB MALAYSIA

Manual For IBS Content Scoring System (IBS Score)

CIDB MALAYSIA

All enquiries regarding this book should be forwarded to:

Chief Executive
Construction Industry Development Board Malaysia
Level 10, Menara Dato' Onn,
Pusat Dagangan Dunia Putra,
No 45, Jalan Tun Ismail,
50480 Kuala Lumpur,
Malaysia.

Tel : 603-4047 7000
Fax : 603-4047 7070
Email : standard@cidb.gov.my
Website : www.cidb.gov.my

Perpustakaan Negara Malaysia Cataloguing-in-Publication Data

TABLE OF CONTENTS

SECTION 4: CALCULATION GUIDES

TABLES

COMMITTEE REPRESENTATION

This Construction Industry Standard (CIS) was developed and reviewed by the Construction Industry Development Board Malaysia with the assistance of the Technical Committee, which comprises representatives from the following organisations:

Jabatan Kerja Raya
Malaysian Institute of Architects
Malaysian Iron and Steel Industry Federation (MISIF)
Universiti Pendidikan Sultan Idris (UPSI)
Universiti Teknologi MARA (UiTM)
Asia Roofing Industries Sdn. Bhd.
Castwell Industries (M) Sdn. Bhd.
Innovacia Sdn. Bhd.
Integrated Brickworks Sdn. Bhd.
Jet Formwork & Scaffold Sdn. Bhd.
Kumpulan Sakata Sdn. Bhd.
Portland Arena Sdn. Bhd.
Southern Steel Mesh Sdn. Bhd.
Starken AAC Sdn. Bhd.
Teraju Precast Services Sdn. Bhd.
UAC Berhad

PREFACE

In continuation of Industrialised Building System (IBS) Roadmap 2003–2010 and IBS Roadmap 2010–2015, IBS continues to be one the main focus areas of the Malaysian construction sector under the Construction Industry Transformation Programme (CITP) 2016–2020. IBS has been identified as one of the 22 initiatives under CITP 2016–2020. The IBS initiative is placed under the Productivity Thrust that has the key outcome of increasing construction productivity by 2.5 times per worker annually by the year 2020.

Indeed, the focus of productivity is aligned with the High Income goal of the 11th Malaysia Plan 2016–2020. Targets are being set including, among others, the regulatory requirements involving usage of IBS for both the government and private building projects.

First introduced in 2005, the IBS Content Scoring System (IBS Score) is a systematic and structured assessment system that is utilised to measure the usage of IBS in any building project. It was later revised as a Construction Industry Standard (CIS) Manual for IBS Content Scoring System (CIS 18: 2010). IBS Score is used to fulfill the related regulatory requirements as well as for other incentive programmes.

This latest revision, CIS 18 is developed in reference to the current version of Guide to Modular Coordination in Buildings (MS 1064) as well as incorporating the latest development in the world of IBS and ICT in Construction, including usage of Building Information Modelling (BIM) and other modern methods of construction. CIS 18 will continue to be an important reference material in the IBS industry.

MANUAL FOR IBS CONTENT SCORING SYSTEM (IBS SCORE

SECTION 1: GENERAL

1.1 Introduction

The Manual for IBS Content Scoring System (IBS Score) was formulated to standardise the measurement of IBS usage in buildings in 2005; followed by a revised edition in 2010. The early editions of the Manual introduced a systematic and structured assessment system to measure the usage of IBS in a consistent way.

Taking into account the introduction of current technologies, policies and business environment; and based on input from the construction industry stakeholders, CIDB Malaysia publishes this latest edition of the Manual, CIS 18: 2018.

This 2018 edition of IBS Score Manual replaces CIS 18: 2010.

1.2 Definitions

For the purpose of this manual, the following definitions shall apply:

1.2.1 IBS

Industrialised Building Systems.

1.2.2. IBS factor

A value given to a particular building system, which reflects the relative difference in site labour productivity.

1.2.3 IBS score

The score for computing the total IBS usage in a building project, as set out in the manual.

1.2.4 Other simplified construction solutions

Utilisation of innovative construction methods or solutions that can contribute towards labour savings as well as enhanced quality and productivity.

1.3 Objective

The objective of this Manual is to provide a well-structured assessment system in calculating the IBS Score of a building. It sets outs the IBS Score formula, the IBS Factor for each of the structural and wall systems used in the building, methods of calculating the IBS Score, explanatory notes and sample calculations. It provides guidance to clients, consultants, contractors, manufacturers and other related parties in calculating the IBS Score for any building project.