# STANDARD INDUSTRI PEMBINAAN

(CONSTRUCTION INDUSTRY STANDARD)

# CIS 24 : 2023

## INDUSTRIALISED BUILDING SYSTEM (IBS) ASSESSMENT & CERTIFICATION

Description: IBS products, assessment, certification, verification, validation, marking

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**CONSTRUCTION INDUSTRY DEVELOPMENT BOARD**

**Construction Industry Development Board Malaysia**

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# INDUSTRIALISED BUILDING SYSTEM (IBS)
# ASSESSMENT & CERTIFICATION

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Industrialised Building System (IBS) Assessment & Certification
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## COMMITTEE REPRESENTATION

This Construction Industry Standard (CIS) was managed and developed by the Construction Industry Development Board Malaysia with the assistance of the Technical Committee of Industrialised Building System (IBS) Assessment & Certification, which comprises representative from the following organisations:

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Asia Roofing Industries Sdn Bhd
Castwell Industries (M) Sdn Bhd
CIDB IBS Sdn Bhd
Construction Research Institute of Malaysia (CREAM)
Haustek Engineering Sdn Bhd
IJM IBS Sdn Bhd
Integrated Brickworks Sdn Bhd
Jabatan Kerja Raya Malaysia (JKR)
Malaysia Timber Industry Board (MTIB)
Master Builders Association Malaysia (MBAM)
NS BlueScope Lysaght (M) Sdn Bhd
PLYTEC IBS System MFG Sdn Bhd
Setia Precast Sdn Bhd
Starken AAC Sdn Bhd
Tasblock (M) Sdn Bhd
The Institution of Engineers, Malaysia (IEM)

## PREFACE

This Construction Industry Standard (CIS), hereby referred to as CIS 24:2023 was developed as a Industrialised Building System (IBS) Assessment & Certification by the Construction Industry Development Board (CIDB) of Malaysia which acted as a moderator and facilitator for the technical committee throughout the development process of this standard in compliance with requirements regulated in the Akta 520 – 1994, Perintah Lembaga Pembangunan Industri Pembinaan Malaysia (Pindaan Jadual Keempat) 2021.

This second edition cancels and replaces the first edition (CIS 24:2018), which has been technically revised.

The main changes compared to the previous edition are as follows:

1. CIS 24 requirements;
2. Process for Application; and
3. IBS Product marking.

Compliance with this Construction Industry Standard does not of itself confer immunity from legal obligations.

Any feedback or questions on this document should be directed to CIDB at www.cidb.gov.my.

# INDUSTRIALISED BUILDING SYSTEM (IBS) ASSESSMENT & CERTIFICATION

## SECTION 1: GENERAL

### 1.1 Introduction

This document intends to ensure that IBS product(s) follows the CIDB requirements stipulated in the Akta 520 – 1994, Perintah Lembaga Pembangunan Industri Pembinaan Malaysia (Pindaan Jadual Keempat) 2021. This document shall be the guideline to monitor and assess the applicants' capability and the IBS product(s) which require document assessment and product verification. The applicant shall ensure that all materials used for their IBS product comply with the approved product's specifications if it falls under Akta 520 – 1994, Perintah Lembaga Pembangunan Industri Pembinaan Malaysia (Pindaan Jadual Keempat) 2021, whereby the Perakuan Pematuhan Standard (PPS) will then be required.

### 1.2 Objective

The purpose of this document is to certify that the IBS product(s) complies with the relevant standards before the PPS application for use in construction and to qualify for the CIS 18: Manual for IBS Content Scoring System (IBS Score).

### 1.3 Scope

This document outlines the application process for applicants applying for certification for IBS products under Akta 520 – 1994, Perintah Lembaga Pembangunan Industri Pembinaan Malaysia (Pindaan Jadual Keempat) 2021[1], which consists of six categories, namely:

(a) Precast Concrete System
(b) Blockwork System
(c) Reusable Formwork System
(d) Metal Framing System
(e) Timber Framing System
(f) Innovative System.

Note
[1] Products and standards listed in Lembaga Pembangunan Industri Pembinaan Malaysia (Amendment of Fourth Schedule) Order 2021 shall obtain the PPS by CIDB before they can be used in the construction works. The construction works in the Perintah Lembaga Pembangunan Industri Pembinaan Malaysia (Pindaan Jadual Keempat) 2021 means the construction, extension, installation, repair, maintenance, renewal, removal, renovation, alteration, dismantling, or demolition of:

(a) any building, erection, edifice, structure, wall, fence or chimney, whether constructed wholly or partly above or below ground level;
(b) any road, harbour works, railway, cableway, canal or aerodrome;
(c) any drainage, irrigation or river control works;
(d) any electrical, mechanical, water, gas, petrochemical or telecommunication works; or
(e) any bridge, viaduct, dam, reservoir, earthworks, pipeline, sewer, aqueduct, culvert, drive, shaft, tunnel or reclamation works, and includes:
    (A) any works which form an important and integral part of or are preparatory to or temporary for the works described in paragraphs (a) to (e), including site clearance, soil investigation and improvement, earth-moving, excavation, laying of foundation, site restoration and landscaping; or
    (B) procurement of construction materials, equipment or workers, necessarily required for any work described in paragraphs (a) to (e);

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