

Sustainable INFRASTAR

Infrastructure asset development has huge impact on social, environment and economy. Therefore, it is critical for any infrastructure project to balance economic, social and environment sustainability factors in development. The need for a more standardized method or tool to appraise the sustainability of such development is becoming more essential.

The Malaysian Construction Industry Development Board (CIDB) has developed a sustainable infrastructure rating tool for Malaysia with an ultimate purpose to assess the extent of sustainability measures adopted by infrastructure project in Malaysia primarily at both design and construction stages. Sustainable INFRASTAR acts as a design and measurement tool to ensure consideration on sustainable elements are incorporated early in the development of projects.

WHAT ARE THE OBJECTS OF SUSTAINABLE INFRASTAR

- 01** • To create a continuous awareness on the importance of sustainability throughout the pre-commissioning stages of infrastructure projects
- 02** • To priorities significant environmental and social attributes for sustainable infrastructure as early as the conceptual stage
- 03** • To convey an improved performance related to environmental and social through project design and construction
- 04** • To recognise and reward efforts made by projects towards achieving an exceptional level of sustainable infrastructure
- 05** • To ensure the implementation of environment and social best practise are in accordance with the standards adopted locally and globally
- 06** • To measure the level of sustainability of infrastructure projects

ASSESSMENT CLASSIFICATION

Assessment takes place at two project stages, namely design and construction

Certification Award

Design Certification
(Provisional)

Design & Construction
Certification

Assessment Point

At Pre-Construction
Stage

Between
Pre-Commissioning to
Certificate of Practical

Assessment Details

Credit points will be awarded based on the policy and target set in planning as well as a documented evidence to validate their definite execution in the project design. This is only an interim assessment and award.

Credit points will be awarded based on policy and target addressed in the detailed design as well as a documented evidence to verify their definite execution in actual construction.



SUSTAINABLE INFRASTAR CERTIFICATION

A certified assessment that achieves 40% and above credit percentage will be awarded with a-star rating. The classifications of assessment points with their respective ratings are as follow:



WHICH PROJECT CAN APPLY

Sustainable INFRASTAR can be applied to most type of infrastructure projects (except the building portion) including the following:

Type of Infrastructure

Classification of Infrastructure



- Toll Expressway
- Federal Road
- State Road
- Municipal Road
- Tunnel Highway
- Bridge



- Heavy Rail (Commuter Rail)
- Express Rail Link (ERL)
- Light Rapid Transit (LRT)
- Mass Rapid Transit (MRT)
- High Speed Rail
- Monorail
- Funicular Railway Line (Cable Railway)



- Dam/Reservoir
- Water Supply Network
- Water Treatment Plant



- Runway
- Public Infrastructure
- Airport Rail Link



- Waterway
- Canal
- Port
- Jetty
- Marina



- Solid Waste Treatment Plant
- Incinerator
- Recycling Plant
- Sewerage Pipe Network
- Wastewater Treatment Plant



- Power Plant
- Power Supply Network
- Telecommunication Network

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SCAN FOR APPLICATION FORM



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