

# THE GBI RATING TOOLS

## NON-RESIDENTIAL NEW CONSTRUCTION (NRNC)

The GBI Non-Residential New Construction Rating Tool evaluates the sustainable aspects of buildings that are commercial, institutional and industrial in nature. This includes factories, offices, hospitals, universities, colleges, hotels and shopping complexes.

Of the six criteria that make up the GBI rating, emphasis is placed on energy efficiency and indoor environmental quality as these have the greatest impact in the areas of energy use and well-being of the occupants and users of the building.

By improving on the efficiency of active (mechanical and electrical) systems as well as incorporating good passive designs together with proper sustainable maintenance regimes, significant reductions in consumed energy can be realised. This can lead to a reduced carbon footprint and also offers long-term savings for the building owners.

**GBI POINTS ALLOCATION TABLE (NRNC)**

PART	ITEM	MAXIMUM POINTS
1	Energy Efficiency	35
2	Indoor Environmental Quality	21
3	Sustainable Site Planning & Management	16
4	Material & Resources	11
5	Water Efficiency	10
6	Innovation	7
<b>TOTAL SCORE</b>		<b>100</b>

## RESIDENTIAL NEW CONSTRUCTION (RNC)

The GBI Residential New Construction Rating Tool evaluates the sustainable aspects of residential buildings. This includes linked houses, apartments, condominiums, townhouses, semi-detached and bungalows.

This tool places more emphasis on sustainable site planning & management, followed by energy efficiency. This serves to encourage developers and home owners to consider the environmental quality of homes and their inhabitants through better site selection, provisions of public transport access, increased community services and connectivity, as well as improved infrastructure.

Such achievement will help reduce the negative impact to the environment and create a better and safer place for residents and the community as a whole.

**GBI POINTS ALLOCATION TABLE (RNC)**

PART	ITEM	MAXIMUM POINTS
1	Energy Efficiency	23
2	Indoor Environmental Quality	11
3	Sustainable Site Planning & Management	39
4	Material & Resources	9
5	Water Efficiency	12
6	Innovation	6
<b>TOTAL SCORE</b>		<b>100</b>

## NON-RESIDENTIAL EXISTING BUILDING (NREB)

The GBI Non-Residential Existing Building Rating Tool evaluates the sustainable aspects of existing non-residential buildings.

For the Existing Building Tool, the highest emphasis is on Energy Efficiency and Indoor Environmental Quality to address energy use and well-being and productivity of the users of the building. These two criteria together account for 59% of the total credit points. Credit points are also increased for Water Efficiency and Innovation to encourage such improvements and modifications. Facility Management is introduced for Sustainable Site Planning & Management and Materials & Resources to reflect the need for environmental protection in the use of chemicals, pesticides and procurement policy.

**GBI POINTS ALLOCATION TABLE (NREB)**

PART	ITEM	MAXIMUM POINTS
1	Energy Efficiency	38
2	Indoor Environmental Quality	21
3	Sustainable Site Planning & Management	10
4	Material & Resources	9
5	Water Efficiency	12
6	Innovation	10
<b>TOTAL SCORE</b>		<b>100</b>

## GREEN BUILDING INDEX REGISTRATION FEES

SIZE OF PROJECT	TOTAL GROSS FLOOR AREA (m <sup>2</sup> )	REGISTRATION FEES (RM)
SINGLE RESIDENCE	Below 2,000	5,000.00
SMALL	Up to 4,000	8,000.00
INTERMEDIATE	4,001 to 10,000	10,000.00
MEDIUM	10,001 to 30,000	20,000.00
LARGE	30,001 to 50,000	32,000.00
EXTRA LARGE	50,001 to 100,000	45,000.00
MEGA PROJECT	Above 100,000	Assessment fee will be determined on a project-by-project basis

### PROJECT ASSESSMENT

Fee as per prescribed includes:

- 1 Design Assessment (DA)
- 1 Completion & Verification Assessment (CVA)

### APPEAL

A flat rate of RM1,000.00 per credit point

\* Rates shown are as of the date of the application and registration and may be revised from time to time as appropriate.

\* Rates shown are excluding Government Service Tax (GST)

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# GREEN BUILDING INDEX STRUCTURE

## GBI ACCREDITATION PANEL (GBIAP)

REGULATORY BODY

## GBI CERTIFIERS

ASSESSMENT & ACCREDITATION

## GBI FACILITATORS

GBI PROJECT DEVELOPMENT

### 1) GBI ACCREDITATION PANEL (GBIAP)

The GBI rating system will be regulated by the GBI Accreditation Panel (GBIAP), an independent committee consisting of senior building professionals that will be reviewing and awarding the GBI rating to qualified projects.

The GBIAP comprises leading industry professionals recognised for their contribution in sustainable developments in Malaysia. They have been actively involved in every step of the rating system's development, ensuring that the rating system is fully tested and compliant to both local and international standards and best practices.

### 2) GBI CERTIFIERS

The roles and responsibility of GBI Certifiers are to perform the detailed assessment and accreditation of building projects submitted to the GBI Accreditation Panel for GBI Certification.

### 3) GBI FACILITATORS

The roles and responsibility of GBI Facilitators are to provide services to enable building projects to achieve GBI accreditation.

# GREEN BUILDING INDEX CLASSIFICATION

POINTS	GBI RATING
86+ points	Platinum
76 to 85 points	Gold
66 to 75 points	Silver
50 to 65 points	Certified

# GREEN BUILDING INDEX RATING SYSTEM

**BUILDINGS WILL BE AWARDED THE GBI  
RATING BASED ON 6 KEY CRITERIA:**

- 1 ENERGY EFFICIENCY
- 2 INDOOR ENVIRONMENTAL QUALITY
- 3 SUSTAINABLE SITE PLANNING & MANAGEMENT
- 4 MATERIAL AND RESOURCES
- 5 WATER EFFICIENCY
- 6 INNOVATION

### ENERGY EFFICIENCY (EE)

Improve energy consumption by optimising building orientation, minimizing solar heat gain through the building envelope, harvesting natural lighting, adopting the best practices in building services including use of renewable energy, and ensuring proper testing, commissioning and regular maintenance.

### INDOOR ENVIRONMENT QUALITY (EQ)

Achieve good quality performance in indoor air quality, acoustics, visual and thermal comfort. These will involve the use of low volatile organic compound materials, application of quality air filtration, proper control of air temperature, movement and humidity.

### SUSTAINABLE SITE PLANNING & MANAGEMENT (SM)

Selecting appropriate sites with planned access to public transportation, community services, open spaces and landscaping. Avoiding and conserving environmentally sensitive areas through the redevelopment of existing sites and brownfields. Implementing proper construction management, storm water management and reducing the strain on existing infrastructure capacity.

### MATERIALS & RESOURCES (MR)

Promote the use of environment-friendly materials sourced from sustainable sources and recycling. Implement proper construction waste management with storage, collection and re-use of recyclables and construction formwork and waste.

### WATER EFFICIENCY (WE)

Rainwater harvesting, water recycling and water-saving fittings.

### INNOVATION (IN)

Innovative design and initiatives that meet the objectives of the GBI.

Achieving points in these targeted areas will mean that the building will likely be more environment-friendly than those that do not address the issues. Under the GBI assessment framework, points will also be awarded for achieving and incorporating environment-friendly features which are above current industry practice.