Indoor Environment Quality
Sustainable Site Planning & Management
Material & Resources
Innovation
Energy Efficiency
Water Efficiency
Low Carbon City Framework

URBAN ENVIRONMENT

URBAN TRANSPORTATION

URBAN INFRASTRUCTURE
YAB DATO’ SRI MOHD NAJIB
BIN TUN HAJI ABDUL RAZAK
PRIME MINISTER OF MALAYSIA

I wish to congratulate Pertubuhan Akitek Malaysia (PAM) and the Association of Consulting Engineers Malaysia (ACEM) for the launch of the new Green Building Index (GBI) tool to help property owners to upgrade their existing buildings to become more “Green” and sustainable.

This is an important step for Malaysia. To achieve the Elimination of Deforestation by 2020, it is essential that we continue to contribute to the conservation of the environment and reduce our carbon footprint. The elimination of inefficient buildings will contribute significantly to this goal.

The Government, through the Department of Environment, is in the form of incentives, such as tax holidays, to encourage this. I hope that today’s launch will be the beginning of a more sustainable future for Malaysia.

In addition, GBI Malaysia is a good example of how the private sector, professionals and NGOs can work together to come up with an internationally accepted standard for Green Buildings in the tropics. We appreciate and encourage more of such innovation and creative input.

I support and wish you every success in its implementation.

“1 MALAYSIA” People First. Performance Now.

YAB DATO’ SRI MOHD NAJIB

“1 MALAYSIA” People First. Performance Now.

YAB DATO’ SRI MOHD NAJIB
I would like to announce here in Copenhagen that Malaysia is adopting an indicator of a voluntary reduction of up to 40 percent in terms of emissions intensity of GDP (gross domestic product) by the year 2020 compared to 2005 levels.

Datuk Seri Najib Tun Razak
Prime Minister of Malaysia
17 December 2009
Rate Real Green Building Rating
RESIDENTIAL

New

Non-Residential

New

Existing

New

Non-Residential
THE GBI RATING TOOLS

RESIDENTIAL NEW CONSTRUCTION (RNC)

The GBI Residential New Construction (RNC) rating tool evaluates the sustainable aspects of residential buildings. This includes houses, apartments, condominiums, townhouses, semi-detached and bungalows.

This tool places more emphasis on Sustainable Site Planning & Management (SMM) followed by Energy Efficiency (EE). This tool serves to encourage developers and homeowners to consider the environmental quality of homes and their inhabitants through better site selection, provision of public transport access, increased community services and connectivity, as well as improved infrastructure.

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

NON-RESIDENTIAL NEW CONSTRUCTION (NRC)

The GBI Non-Residential New Construction (NRC) rating tool evaluates the sustainable aspects of buildings that are commercial, institutional in nature. This includes offices, hospitals, universities, colleges, hotels and shopping complexes.

Of the six criteria that make up the GBI rating, the emphasis is placed on Energy Efficiency (EE) and Indoor Environmental Quality (IEQ) 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.

NON-RESIDENTIAL EXISTING BUILDING (NREB)

The GBI Non-Residential Existing Building (NREB) rating tool evaluates the sustainable aspects of existing non-residential buildings.

For the NREB Tool, the emphasis is on Energy Efficiency (EE) and Indoor Environmental Quality (IEQ) to address the energy use and well-being and productivity of the users of the building. The two criteria together account for 55% of the total credit points.

Credit points are also increased for Water Efficiency (EEW) and Innovation (INN) to encourage such improvements and modifications.

INDUSTRIAL NEW CONSTRUCTION (INC)

The GBI Industrial New Construction (INC) rating tool adapts the established six GBI criteria with emphasis placed on Energy Efficiency (EE) and Indoor Environmental Quality (IEQ) as these have the greatest impact on energy use and the well-being of occupants and workers in industrial buildings.

On-site energy capture and improvement in energy use are given prominence with provision of renewable spaces to reduce carbon footprint.

Proximity to rapid transit also reduces environmental pollution.

The tool evaluates some credits prescriptively but the majority of credits are performance based.

This tool was developed in collaboration with the Federation of Manufacturers Malaysia (FMM).

INDUSTRIAL EXISTING BUILDING (IEB)

The Industrial Existing Building (IEB) rating tool evaluates the sustainability aspects of existing industrial buildings including their processes. Additional credits are given to encourage higher Energy Efficiency (EE) and Indoor Environmental Quality (IEQ) which is still lacking priority because of subsidised energy tariffs.

The prominence and importance of Indoor Environmental Quality (IEQ) is maintained to ensure the well-being and productivity of the occupants and workers.

Credit points are also increased for Water Efficiency (EEW) and Innovation (INN) to encourage improvements and modifications.

FACILITY MANAGEMENT is introduced to ensure sustainable management practices. This will improve environmental protection through the appropriate use of chemicals, pesticides and procurement policies.

NRNC: RETAIL

The NRNC: Retail rating tool was developed in collaboration with the Malaysia Shopping Malls Association. The tool is designed to provide guidance to key stakeholders in the delivery of sustainable shopping centers and retail malls to meet the global and local demand for green premises. It is based on the general GBI rating tool with bespoke criteria incorporated to suit the functional and operational needs of different types of retail malls and outlets.

In particular, two different sets of energy efficiency targets have been incorporated to reflect the different energy intensions of simple retail-type outlets as opposed to complex type malls.

RETAIL: DATA CENTRE

The NRNC: Data Centre rating tool is derived from the general NRNC rating tool with bespoke requirements for specific criteria relevant to Data Centre design and operation. For instance, in lieu of Building Energy Intensity (BEI), the PUE (Power Usage Effectiveness) metric is adopted.

Performance based approach is reiterated in all criteria such as Internal Noise Level, which will vary with different types of occupancy, external views which will be applicable only to the main office portion of the Data Centre, and recognition of cold air containment concept.

Allocation of GBI points for the 6 generic criteria remains unchanged.

TOWNSHIP

Sustainable Townships are liable places that meet the diverse needs of the community, both now and in the future. They are places that are well planned and designed, safe and secure, and enhance the surrounding environment, thus providing a high quality of life for the people who live, work and play there.

The GBI Township Tool sets out a vision for sustainability within the built environment and provides guidance to assist end users to deliver sustainable townships.

Please refer to the Sustainable Townships section for more details.

With Local Authorities
## Executive Summary as of 15 September 2013

### GBI Certified Projects by Categories

<table>
<thead>
<tr>
<th>Update on Green Building Index</th>
<th>TOTAL as of 15 SEPTEMBER 2013</th>
<th>NRNC Non Residential New Construction</th>
<th>RNC Residential New Construction</th>
<th>INC Non Residential Existing Building</th>
<th>NREB Non Residential Existing Building</th>
<th>IEI Industrial Existing Building</th>
<th>T Township</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applied</td>
<td>471</td>
<td>255</td>
<td>176</td>
<td>10</td>
<td>16</td>
<td>3</td>
<td>3</td>
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<tr>
<td>Registered</td>
<td>437</td>
<td>229</td>
<td>169</td>
<td>9</td>
<td>16</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Total Certified</td>
<td>159 (100%)</td>
<td>75 (47%)</td>
<td>71 (44%)</td>
<td>2 (1%)</td>
<td>6 (4%)</td>
<td>1 (1%)</td>
<td>4 (3%)</td>
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<tr>
<td>Received with Provisional Certification after DA</td>
<td>144</td>
<td>68</td>
<td>67</td>
<td>1</td>
<td>4</td>
<td>-</td>
<td>-</td>
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<tr>
<td>Received Final Certification after CVA</td>
<td>15</td>
<td>7</td>
<td>4</td>
<td>1</td>
<td>2</td>
<td>1</td>
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### GBI Certified Projects by Rating Categories

<table>
<thead>
<tr>
<th>RATING</th>
<th>TOTAL as of 15 SEPTEMBER 2013</th>
<th>NRNC Non Residential New Construction</th>
<th>RNC Residential New Construction</th>
<th>INC Non Residential Existing Building</th>
<th>NREB Non Residential Existing Building</th>
<th>IEI Industrial Existing Building</th>
<th>T Township</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLATINUM 86 to 100 points</td>
<td>7 (59%)</td>
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<tr>
<td>GOLD 74 to 85 points</td>
<td>39 (25%)</td>
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<td>17</td>
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<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>SILVER 66 to 75 points</td>
<td>22 (14%)</td>
<td>10</td>
<td>9</td>
<td>-</td>
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<td>-</td>
<td>2</td>
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<tr>
<td>CERTIFIED 50 to 65 points</td>
<td>91 (67%)</td>
<td>40</td>
<td>43</td>
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<td>4</td>
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<td>1</td>
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<tr>
<td>Total Certified</td>
<td>159</td>
<td>75</td>
<td>71</td>
<td>2</td>
<td>6</td>
<td>1</td>
<td>4</td>
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</table>

### GBI Projects by States/Territories

<table>
<thead>
<tr>
<th>GBI Projects by State/Territory</th>
<th>Registered Projects</th>
<th>Certified Projects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kuala Lumpur</td>
<td>131</td>
<td>64</td>
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<tr>
<td>Selangor</td>
<td>185</td>
<td>56</td>
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<td>Penang</td>
<td>37</td>
<td>16</td>
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<td>Putrajaya</td>
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<tr>
<td>Johor</td>
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<td>6</td>
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<tr>
<td>Melaka</td>
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<td>Sarawak</td>
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</table>

### Gross Floor Area (GFA) of GBI Certified Buildings

<table>
<thead>
<tr>
<th>TOTAL as of 15 SEPTEMBER 2013</th>
<th>NRNC Non Residential New Construction</th>
<th>RNC Residential New Construction</th>
<th>INC Non Residential Existing Building</th>
<th>NREB Non Residential Existing Building</th>
<th>IEI Industrial Existing Building</th>
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</thead>
<tbody>
<tr>
<td>6,412,990 (69,028,852.88sqft)</td>
<td>2,702,626</td>
<td>3,393,422</td>
<td>279,613</td>
<td>27,500</td>
<td>9,829</td>
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### Carbon Dioxide (C02) Emission Reduction by GBI Certified Buildings

<table>
<thead>
<tr>
<th>CO2 REDUCTION PROJECT</th>
<th>TOTAL as of 15 SEPTEMBER 2013</th>
<th>NRNC Non Residential New Construction</th>
<th>RNC Residential New Construction</th>
<th>INC Non Residential Existing Building</th>
<th>NREB Non Residential Existing Building</th>
<th>IEI Industrial Existing Building</th>
</tr>
</thead>
<tbody>
<tr>
<td>284,806</td>
<td>175,366</td>
<td>88,532</td>
<td>9,240</td>
<td>949</td>
<td>719</td>
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</table>

Source: [www.greenbuildingindex.org](http://www.greenbuildingindex.org)
<table>
<thead>
<tr>
<th>Update on Green Building Index</th>
<th>TOTAL as of 15 September 2013</th>
<th>NRNC Residential New Construction</th>
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<tbody>
<tr>
<td>Applied</td>
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<td>169</td>
<td>9</td>
<td>16</td>
<td>3</td>
<td>11</td>
</tr>
<tr>
<td>Total Certified</td>
<td><strong>159</strong> (100%)</td>
<td>75 (49%)</td>
<td>71 (42%)</td>
<td>2 (1%)</td>
<td>6 (4%)</td>
<td>1 (1%)</td>
<td>4 (3%)</td>
</tr>
<tr>
<td>With Provisional Certification after DA</td>
<td>144</td>
<td>68</td>
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</tr>
<tr>
<td>RATING</td>
<td>TOTAL as of 15 September 2013</td>
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<td><strong>NRNC</strong> Non Residential New Construction</td>
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<td><strong>RNC</strong> Residential New Construction</td>
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<tr>
<td><strong>INC</strong> Industrial New Construction</td>
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<tr>
<td><strong>NREB</strong> Non Residential Existing Building</td>
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<tr>
<td><strong>IEB</strong> Industrial Existing Building</td>
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<td><strong>T</strong> Township</td>
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<td><strong>PLATINUM</strong> 86 to 100 points</td>
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<td></td>
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<td></td>
</tr>
<tr>
<td><strong>Certified</strong> 50 to 65 points</td>
<td>91</td>
<td></td>
<td></td>
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<td></td>
<td></td>
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</tr>
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<td><strong>Total Certified</strong></td>
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<td></td>
<td></td>
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</tr>
</tbody>
</table>

- **Platinum** (7 points): 7 (5%)
- **Gold** (39 points): 39 (24%)
- **Silver** (22 points): 22 (14%)
- **Certified** (91 points): 91 (57%)
<table>
<thead>
<tr>
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<td>13</td>
<td>2</td>
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<tr>
<td>Sarawak</td>
<td>6</td>
<td>2</td>
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<tr>
<td>Sabah</td>
<td>5</td>
<td>1</td>
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<tr>
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<tr>
<td>Perak</td>
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<tr>
<td>Pahang</td>
<td>6</td>
<td>1</td>
</tr>
<tr>
<td>Negeri Sembilan</td>
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<td>-</td>
</tr>
<tr>
<td>Kelantan</td>
<td>1</td>
<td>-</td>
</tr>
<tr>
<td>Kedah</td>
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<td>1</td>
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<tr>
<td>Perlis</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Gross Floor Area (Sqft) (As Submitted)</td>
<td>NRNC Non Residential New Construction</td>
<td>RNC Residential New Construction</td>
</tr>
<tr>
<td>--------------------------------------</td>
<td>--------------------------------------</td>
<td>----------------------------------</td>
</tr>
<tr>
<td></td>
<td>29,090,824</td>
<td>36,526,490</td>
</tr>
<tr>
<td>Gross Floor Area</td>
<td>73,970,960 sqft (175 Buildings &amp; Townships)</td>
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<td>----------------------------------</td>
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<td></td>
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<tr>
<td>TOTAL CERTIFIED as of 9 October 2013</td>
<td></td>
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</table>
Energy Efficiency
1 kWh = 0.69 kg CO2

CO2 Emission Reduction Towards 2020
<table>
<thead>
<tr>
<th>CO2 REDUCTION PROJECTION</th>
<th>TOTAL as of 15 September 2013</th>
<th>NRNC Non Residential New Construction</th>
<th>RNC Residential New Construction</th>
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<td>719</td>
</tr>
</tbody>
</table>

(tCO2e/annum, based on electricity energy reduction only @ 1kWh = 0.69 kg CO2)
Indoor Environment Quality

Energy Efficiency
@ 1kWh = 0.69 kg CO2

Sustainable Site Planning & Management

Material & Resources

Water Efficiency

Innovation

CO2 Emission Reduction Towards 2020
Pre-registration
General Enquiry
Preliminary Consultation for Prospective Applicant

Post-registration
Design Assessment Consultation
Completion and Verification Consultation
green building index facilitators course

in collaboration with
Platform for Implementation of National Benchmarks

- Local Authorities’ Structure Plans and Local Plans
  - Uniform Building Bye Laws
  - MS1525 Code of Energy Efficiency
  - Rainwater Harvesting
  - Industrialised Building System (IBS)
  - Urban Storm Water Drainage (Manual Saliran Mesra Alam, MASMA)
  - Malaysian Timber Certification Scheme (MTCS)
greenbuilding rating
INCENTIVES FOR BUILDINGS OBTAINING GREEN BUILDING INDEX CERTIFICATE

A) TAX EXEMPTION

• Any person who incurs qualifying expenditure (QE) to obtain GBI certification for a building used for his business qualifies for tax exemption. This tax incentive provides exemption on the statutory income which is equivalent to 100% of that expenditure.

• Qualifying expenditure means an additional expenditure (known as the Green Building Cost Sum) incurred in relation to construction of a building, alteration, renovation, extension or improvement of an existing building. The exemption can be up to 100% of statutory income for each year of assessment.

• Any unutilised QE can be carried forward to subsequent years of assessment until the amount is fully exempted. This tax exemption only applies once for each building certified from 24 October 2009 until 31 December 2014.

• The types of tax incentive mutually exclusive to this tax exemption are addressed in the guidelines issued by Lembaga Hasil Dalam Negeri Malaysia (LHDNM).

B) STAMP DUTY EXEMPTION

The stamp duty exemption provides exemption on instruments of transfer of ownership of buildings and residential properties acquired from property developers and awarded GBI certificate. The exemption is on the additional cost of the property incurred to obtain the GBI certificate. The exemption is only given for the first transfer of ownership of the building and for sales and purchase agreements executed from 24 October 2009 until 31 December 2014.

Once certified, applicants can claim for the tax exemption or stamp duty exemption in their annual Income Tax return Forms. The GBI Certificate has to be kept for audit purposes by LHDNM.

Please note that a complete set of guidelines on the tax and stamp duty exemption can be obtained from www.hasil.gov.my.
International Recognition MGBC

Incentives

Stakeholders Participation

Industry Consultation

Education & Training

70 Millions Square Feet Certified

13 States & Territories

175 Buildings & Townships

Truly & Proudly Malaysian

10 Rating Tools & More

2500 Retrained

660 Registered

175 Buildings & Townships

Competent

Professional & Independent

透明

有效

专业

独立

7000万平方英尺认证

13个州与领土

175个建筑及城镇

真正自豪的马来西亚

10个评级工具更多
green building index

challenges
Green building index

all ratings are the same

... FALSE
<table>
<thead>
<tr>
<th>Concerns Addressed</th>
<th>Malaysia GBI</th>
<th>USA LEED</th>
<th>Singapore Greenmark</th>
<th>Indonesia GreenShip</th>
<th>UK BREEAM</th>
<th>Hong Kong BEAM</th>
<th>Japan CASBEE</th>
<th>Germany DGNB-Seal</th>
<th>Australia Green Star</th>
<th>France HQE</th>
<th>Canada/USA Green Globes</th>
<th>Italy Protocol ITACA</th>
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<tr>
<td>Energy</td>
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<td>Platinum</td>
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Notes:
1. Sourced and Modified from King Sturge (2009).
2. Data for DGNB-Seal, HQE, and Protocol ITACA is not exhaustive and additional criteria may be included in the assessment.

A Broad Comparison of Rating Tools
<table>
<thead>
<tr>
<th>Malaysia Green Building Index</th>
<th>USA LEED</th>
<th>Singapore Green Mark</th>
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</thead>
<tbody>
<tr>
<td>Total 100 Points Available</td>
<td>Total 100 Points Available</td>
<td>Total 140 + 20 points Available</td>
</tr>
<tr>
<td>Maximum 100 Points</td>
<td>Maximum 100 Points, with prerequisite</td>
<td>Maximum 120 Points, with mandatory items</td>
</tr>
</tbody>
</table>

- **PLATINUM (86 - 100 points)**
  - Malaysia: 100
  - USA: Platinum
  - Singapore: Platinum

- **GOLD (76 to 85 points)**
  - Malaysia: 85
  - USA: Gold
  - Singapore: Gold Plus

- **SILVER (66 to 75 points)**
  - Malaysia: 75
  - USA: Silver
  - Singapore: Gold

- **CERTIFIED (50 to 65 points)**
  - Malaysia: 65
  - USA: Certified
  - Singapore: Certified
is more expensive

... FALSE
- One basic entry level fee
- No penalty for achieving better rating
- No hidden charges
green building index

is more difficult

... False
Basic Compliance with National, State and Local Authorities’ Standards Guidelines and Best Practices
= Green Building Index Certified Rating

- Local Authorities’ Structure Plans and Local Plans
  - Uniform Building Bye Laws
  - MS1525 Code of Energy Efficiency
  - Rainwater Harvesting
  - Industrialised Building System (IBS)
- Urban Storm Water Drainage (Manual Saliran Mesra Alam, MASMA)
- Malaysian Timber Certification Scheme (MTCS)
Green Building Index is owned by individuals ...

... FALSE
Greenbuildingindex SB

- Administration
- Non-profit

- Wholly owned by PAM (60%) & ACEM (40%)
Green Building Index Accreditation Panel (GBIAP)
- Supervise Technical Committees & Working Groups
- Independent panel
- Formulation of rating tools, certification, and accreditation of Certifiers and Facilitators
- Currently 10 members;
  - 5 Architects appointed by PAM
  - 4 Engineers appointed by ACEM
  - 1 Quantity Surveyors appointed by PAM & ACEM

Green Building Index Consultative Panel (GBICP)
- Invitation extended to members of Building Industry Presidents Council (BIPC)

Green Building Index Sdn Bhd (GSB)
- Administration
- Non-profit
- Wholly owned by PAM (60%) & ACEM (40%)
green building index is participated by stakeholders of the industry...TRUE!
THE GBI RATING TOOLS

RESIDENTIAL NEW CONSTRUCTION (RNC)

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

This tool places more emphasis on Sustainable Site Planning & Management (SSIP) followed by Energy Efficiency (EE). It serves to encourage developers and home owners to consider the environmental quality of homes and their inhabitants through better site selection, provision of public transport access, improved community services and connectivity, as well as improved infrastructure.

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

NON-RESIDENTIAL NEW CONSTRUCTION (NRNC)

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

The six criteria that make up the NRNC rating, are based on Energy Efficiency (EE) and Indoor Environmental Quality (IEQ) as it has the greatest impact on the use of energy, cost of occupancy and other aspects of the building.

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

SOUTH EAST ASIA (SEA)

GIB RESIDENTIAL NEW CONSTRUCTION (RNC)

GIB NON-RESIDENTIAL NEW CONSTRUCTION (NRNC)

GIB NON-RESIDENTIAL EXISTING BUILDING (NREB)

GIB NRNC: DATA CENTRE

GIB NREB: DATA CENTRE

TOWNSHIP

Sustainable Townships are places that meet the diverse needs of the community, both now and in the future. They are places that are well planned and designed, safe and secure, and enhance the surrounding environment, thus providing a high quality of life for the people who live, work and play there.

The GBI Townships set out a vision for sustainability within the built environment and provides guidance to assist end users to deliver sustainable townships.

Please refer to the Sustainable Townships section (page 18) for more details.

OBOTOWNSHIP POINTS ALLOCATION CHART

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OBOTOWNSHIP POINTS ALLOCATION CHART

OBOTOWNSHIP POINTS ALLOCATION CHART
Opening for Industry Consultation
October 2013

Industry Review Data Collection & Verification

With MIID

green building index

Interior

With MAH/HO

green building index

Hotel

Industry Review

green building index

Hospital

Data Collection & Verification
GBI RESIDENTIAL NEW CONSTRUCTION TOOL (VERSION 3)

RNC Version 3
- Revised November 2012

1st Industry Review
- November 2012
- Facebook

2nd Industry Review
- February 2013
- Seminar & briefing session

3rd Industry Review
- April - May 2013
- Workshops
- Reference Guide
green building index is a Malaysian tool developed by Malaysian industry for Malaysian industry...TRUE!
Platform for Implementation of National Benchmarks

- Local Authorities’ Structure Plans and Local Plans
- Uniform Building Bye Laws
- MS1525 Code of Energy Efficiency
- Rainwater Harvesting
- Industrialised Building System (IBS)
- Urban Storm Water Drainage (Manual Saliran Mesra Alam, MASMA)
- Malaysian Timber Certification Scheme (MTCS)
is Malaysia’s ONLY internationally recognised rating

...TRUE!
is competent and transparent
...TRUE!
greenbuildingindex
professionals
green building index professionals
is one of the world’s most successful new rating tool
... TRUE!
GREEN EXCELLENCE

50 MILLION SQUARE FEET CERTIFIED GREEN BUILDINGS
60 MILLION SQUARE FEET CERTIFIED GREEN BUILDINGS

GREENING MALAYSIA ONE BUILDING AT A TIME
70 MILLION SQUARE FEET
CERTIFIED GREEN BUILDINGS