GRIHA FOR EXISTING BUILDINGS

‘India’s Own rating system for Green Buildings’
– India’s INDCs (Action plan to combat change)

About GRIHA Council
GRIHA Council is an Independent not-for-profit society jointly set up by The Energy and Resources Institute (TERI) and the Ministry of New and Renewable Energy (MNRE) to promote the development of sustainable buildings and habitats in India.

About GRIHA
GRIHA (Green Rating for Integrated Habitat Assessment) is a Sanskrit word meaning ‘Adobe’. Human Habitats (buildings) interact with the environment in various ways. GRIHA attempts to minimize a building’s resource consumption, waste generation, and overall ecological impact within certain nationally-acceptable limits/benchmarks.

Distribution of POINTS

- Site Parameters: 6
- Energy: 17
- Occupant Health & Comfort: 35
- Water: 25
- Social Aspects: 12
- Maintenance & Housekeeping: 5
- Bonus: 4

STAR RATING

- 01: 25-40
- 02: 41-55
- 03: 56-70
- 04: 71-85
- 05: Above 86

CONTACT DETAILS

GRIHA Council
A-260, Bhisma Pitamah Marg, Defence Colony, New Delhi - 110 024
Tel. +91 11 46444500/24682144-08, Fax: +91 11 24682145
Email: info@grihaindia.org; Website: www.grihaindia.org

ARCHITECTURAL REVIEWS

- Final evaluation
- Final report
- Final decision on the project
- Final documentation
- Final certificate
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- Final report
- Final decision on the project
- Final documentation
- Final certificate

PROCESS RATING

1. Registration
2. Submission of documents
3. Orientation workshop
4. Preliminary evaluation
5. Feasibility check
6. Feasibility check

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GRIHA for Existing buildings (EB) rating is an integrated tool to assess the performance of existing buildings and provide sustainable solutions whilst augmenting the indoor comfort of the occupants. The rated building will enjoy enhanced energy and water performance and increased thermal and visual comfort; ultimately resulting in decreased operational and maintenance costs. GRIHA for Existing Buildings rating is designed with underlining objectives, such as attaining environmental impact reduction, simplicity in execution, alignment with local and national goals, and cost effectiveness.

**What is GRIHA EB?**

- Rates AC as well as Non-AC Buildings.
- Aligned with National Policies.
- Follows National Codes and guidelines, such as NBC, ECBC, CPCB.
- Addresses the data gap in the Indian market.
- Realistic approach towards indoor air quality.
- Optimum rating fee.
- Commissioning is not mandatory.
- Audit is not mandatory.
- Does not impose purchase of imported, expensive products.
- Strategy oriented instead of product oriented.
- Adaptable for all types of buildings.

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**SECTION I: Site Parameters**

- **Criterion 1:** Accessibility to Basic services
  - Intent: Promote walking, cycling and public transport

- **Criterion 2:** Microclimatic Impact
  - Intent: Lower the impact of heat island (UHIE) and promote plantation of trees

**SECTION II: Maintenance & Housekeeping**

- **Criterion 3:** Maintenance, Green procurement and Waste Management
  - Intent: Ensure good practices for maintenance, green procurement, and waste management.

- **Criterion 4:** Metering and monitoring
  - Intent: Promote reliable metering and monitoring

**SECTION III: Energy**

- **Criterion 5:** Energy Efficiency
  - Intent: Ensure energy efficiency

- **Criterion 6:** Renewable Energy Utilization
  - Intent: Promote use of renewable energy

**SECTION IV: Water Efficiency**

- **Criterion 7:** Water footprint
  - Intent: Implement potential water conservation strategies

- **Criterion 8:** Reduction in cumulative water performance
  - Intent: Reduce overall water demand of the habitat

**SECTION V: Occupant Health & Comfort**

- **Criterion 9:** Achieving Indoor comfort Requirements
  - Intent: Ensure that building spaces provide for thermal, visual, and acoustical comfort

- **Criterion 10:** Maintaining Good IAQ
  - Intent: Ensure good indoor air quality

**SECTION VI: Social Aspects**

- **Criterion 11:** Universal Accessibility and Environmental Awareness
  - Intent: Promote accessibility for the people who are differently abled and the elderly and to increase environmental awareness amongst the building users and visitors

**SECTION VII: Bonus Points**

- **Criterion 12:** Bonus Points
  - Intent: Adoption and implementation of innovative strategies in improving the sustainability of the project

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**Fee Structure**

<table>
<thead>
<tr>
<th>S.NO.</th>
<th>Built-up Area</th>
<th>Registration Fee</th>
<th>Certification Fee</th>
<th>Rating Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>5,000 sq. m &amp; below</td>
<td>₹50,000</td>
<td>₹1,50,000</td>
<td>₹2,00,000</td>
</tr>
<tr>
<td>02</td>
<td>5,001 sq. m to 50,000 sq. m</td>
<td>₹50,000</td>
<td>₹1,50,000 + ₹3.5 per additional sq. m over &amp; above 5,000 sq. m</td>
<td>₹2,00,000 + ₹3.5 per additional sq. m over &amp; above 5,000 sq. m</td>
</tr>
<tr>
<td>03</td>
<td>50,001 sq. m &amp; above</td>
<td>₹50,000</td>
<td>₹3,10,000</td>
<td>₹3,60,000</td>
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