What are Green Buildings?
Any building that is constructed, adversely impacts the environment. A green building is one that makes minimal impact on the environment. Its design is climate responsive, and utmost care is taken while constructing to preserve the environment. It is operated in such a manner that it utilizes all resources efficiently. Sustainability is not added on to conventional buildings but it lies in the approach of designing, construction, and operation.

Why Green Buildings?
We in India are steering into an era of unprecedented public and private sector development but at significant environmental costs. This massive increase in use of environmental resources has contributed towards climate change. The time has come where we can no longer be deprived of the benefits of green building practices that can reduce the negative impact of construction on our environment.

GRIHA was devised in pursuit of creating sustainable habitat and eliminate adverse impact on environment. We help design buildings and habitats, which are resource efficient throughout their life cycle.

The earth provides enough to satisfy every man's needs, but not every man's greed.
— Mahatma Gandhi

Who are We?
GRIHA Council is an independent not-for-profit society established jointly by The Energy and Resources Institute (TERI) and Ministry of New and Renewable Energy (MNRE), Government of India (GoI). It promotes and facilitates GRIHA National rating system for green buildings in India, which is a design and evaluation tool for green buildings and habitats. The National Advisory Committee (NAC) and Technical Advisory Committee (TAC) of GRIHA council include experts from ministries, state nodal agencies and building industry to strengthen the green building movement through their leadership and experience.

What is GRIHA?
GRIHA is a rating tool which evaluates the environmental performance of a building holistically over its entire life cycle, based on quantitative and qualitative criteria, thereby providing a definitive standard for green buildings and habitat. It seeks to minimise resource consumption, waste generation and overall ecological/environmental impact of buildings and habitat. Based on the principle of ‘what gets measured, gets managed’, GRIHA measures a building’s environmental performance on a scale of 1-5 stars.

It brings together the wisdom of traditional architecture and modern technology to create a sustainable future.

Benefits of Adopting GRIHA
- 30–50% reduction in energy consumption.
- Renewable energy integration to offset grid demand.
- 40–65% reduction in building water consumption.
- 5–30% of lighting energy consumption or its equivalent met through renewable energy.

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How can one get Involved?

<table>
<thead>
<tr>
<th>As an Individual</th>
<th>As an Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Evaluator</strong></td>
<td><strong>Product Catalogue</strong></td>
</tr>
<tr>
<td>GRWA Evaluators are involved in ensuring third party assessment of GRIHA registered projects in their field of expertise and for projects in their localities.</td>
<td>It provides information about verified green building products meant to be used to make sustainable buildings and habitats.</td>
</tr>
<tr>
<td><strong>GIWA Certified Professional</strong></td>
<td><strong>For Manufacturers Committed to Sustainable Habitats</strong></td>
</tr>
<tr>
<td>Certified professionals assist GIWA projects in documentation and partake in awareness programmes.</td>
<td></td>
</tr>
<tr>
<td><strong>Associate Membership</strong></td>
<td><strong>For Organizations Committed to Sustainable Habitats</strong></td>
</tr>
<tr>
<td>Organizations who are committed to sustainable built environment can join hands with GIWA and become associate members to promote this common goal.</td>
<td></td>
</tr>
<tr>
<td><strong>CATALYST (Creating Awareness Through Academics: Leading to Youth’s Sustainable Transformation)</strong></td>
<td><strong>For Educational Institutes</strong></td>
</tr>
<tr>
<td>Bringing together institutional heads towards the common goal of educating and sensitizing youths about sustainable habitats.</td>
<td></td>
</tr>
</tbody>
</table>

**Types of Training Modules**

**Professionals**

- **1-day training programme**
  - General awareness programme on green buildings and sustainable habitats through GIWA rating.
- **3-day training programme**
  - Intensive training about GIWA requirements to become GIWA certified professionals and evaluators.

**Students**

- **Webinars**
  - Online awareness programme on specific topics, which participants can access from any location on their PCs.
- **Conferences**
  - Platform enabling interaction with erudite national and international speakers, facilitating awareness about current regional and global scenarios.
- **Green tours**
  - Provide hands-on understanding of the green features in real buildings to students and professionals.

**Capacity Building**

**SVGRIHA**

It is a Simple, Versatile, and Affordable rating system. It is a design-evaluate tool which allows the architect/constructor to do self-assessment of the project. It addresses sustainability of small buildings, which have small individual environmental footprints, however have enormous cumulative effect on environment.

**GIWA**

GIWA is a point-based rating system which guides a project in achieving sustainable design and at the same time helps assess the greenness of a project. It is a performance based system where points are earned for meeting the intent of the criteria (also true for all other GIWA variants).

**GIWA Pre-certification**

GIWA pre-certification is awarded to the projects before construction for committing to comply with GRWA rating on completion. Benefits include: fast-track environmental clearance; securing incentives as applicable in a potential location; branding opportunity for projects under construction; increase in the sustainability quotient of the project by incorporating suggestions from field specialists.

**GIWA LD**

GIWA LD much acclaimed rating system for green large developments, such as green campuses, townships, and special economic zones (SEZs). The initiative is to provide a comprehensive assessment of environmental impact of large-scale developments on the environment.

**Which Rating should you Apply for?**

<table>
<thead>
<tr>
<th>GRIWA Vаriants</th>
<th>Rating Selection criteria (Built up area/site/any other)</th>
<th>When to apply</th>
<th>Registration Fees* (GST as applicable)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>GRESA</strong></td>
<td>&lt; 2,500 sq. m – 5,000 sq. m – 3.14 lakh</td>
<td>Pre-design/ design stage</td>
<td>3.14 lakh</td>
</tr>
<tr>
<td><strong>GRIWA</strong></td>
<td>≤ 5,000 sq. m – 1.7 lakh</td>
<td>Pre-design/ design stage</td>
<td>1.7 lakh</td>
</tr>
<tr>
<td><strong>GIWA</strong></td>
<td>&gt; 5,000 sq. m – 4,000 sq. m – 2 lakh</td>
<td>Pre-design/ design stage</td>
<td>2 lakh</td>
</tr>
<tr>
<td><strong>GIWA for AH</strong></td>
<td>≥ 1,50,000 sq. m – 2.50 lakh</td>
<td>Master plan rating</td>
<td>2.50 lakh</td>
</tr>
<tr>
<td><strong>GIWA for CITIES</strong></td>
<td>Site area &gt; 50 hectares (125 acres) – 1.25 lakh</td>
<td>Pre-design/ design stage</td>
<td>1.25 lakh</td>
</tr>
<tr>
<td><strong>GIWA for Existing Buildings</strong></td>
<td>Site area &gt; 50 hectares (125 acres) – 3.25 lakh</td>
<td>Pre-design/ design stage</td>
<td>3.25 lakh</td>
</tr>
<tr>
<td><strong>GRIWA for Existing Buildings</strong></td>
<td>Site area &gt; 1,50,000 sq. m – 3.75 lakh</td>
<td>Pre-design/ design stage, partially/ completed/completed</td>
<td>3.75 lakh</td>
</tr>
<tr>
<td><strong>SVAGRIHA</strong></td>
<td>≤ 2,499 sq. m – 2,499 lakh – 7,00,000</td>
<td>Pre-design/ design stage, partially/ completed/completed</td>
<td>7,00,000</td>
</tr>
</tbody>
</table>

*Projects can choose to take Pre-Certification at the design stage. It can be used for marketing or to facilitate the approval of incentives by various authorities.