



नवीन एवं
नवीकरणीय ऊर्जा मंत्रालय
MINISTRY OF
NEW AND
RENEWABLE ENERGY



हरित रेटिंग पत्रिका

Green Rating for Integrated Habitat Assessment



ईशावास्यमिदं सर्वं यत्किञ्च जगत्यां जगत्।
तेन त्यक्तेन भुञ्जीथा मा गृधः कस्यस्विद्धनम्॥

*This entire universe is pervaded by the Lord; enjoy only what is allotted to you by renunciation. Do not covet what belongs to others.
Control Greed!*

- Isha Upanishad

Ancient Wisdom: Sustainable Practices

In ancient India, the spiritual culture naturally embraced the principles of circularity, guided by the belief that “what comes from nature, returns to nature.” This cultivated a reverence for nature and encouraged sustainable living long before the concept of “sustainability” was ever defined.

“ तस्माद्वा एतमादत्मन अकाश समभुता.
अकासद्वयुह. वायोरग्निह. अग्नरपाह.
अदभ्य पृथ्वी. पृथ्वी ओसधाय.
ओसादिभ्योसम. अन्नत पुरसाह । ”

“From that atman (Supreme soul) space came into being, from space wind, from wind fire, from fire water, from water earth, from earth plants, from plants food, from food man came into being.”

- Yajur-vedah, Taittiriyaopanisad





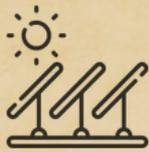
Vayu (Air)



Nature has provided us with the **perfect blend** of air to breathe - about **78% nitrogen, 21% oxygen, and 1% other gases** – a balance that sustains all life.



Agni (Energy)



With approx. 300 sunny days annually and an average **solar radiation of 4-7 kWh/m²/day**, India's solar potential is very high.



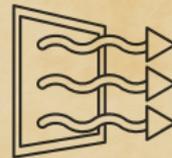
Jal (Water)



Approximately **45% of total irrigation** and **80% of domestic water** needs in India are met from groundwater reserves.



Akash (space)



Proper ventilation **improves productivity by 11%**, and access to natural light **boosts energy levels by 23%**.



Prithvi (Earth)



Recycling 1 tonne of paper **saves 17 trees, 26,500 liters of water, and 4,000 kWh of energy!**

From Wisdom to Action

Every step matters



**Vayu
(Air)**

- ◆ Promote natural ventilation
- ◆ Use public transport or carpool
- ◆ Preserve & protect trees
- ◆ Plant more native/naturalized species
- ◆ Use of green transportation-bicycles, E-vehicle
- ◆ Use environment-friendly paints & varnishes
- ◆ Use carpets & mats at all entrances
- ◆ Don't burn waste
- ◆ Opt for cleaner cooking fuels



**Agni
(Energy)**

- ◆ Switch off lights and appliances when not in use.
- ◆ Wash clothes in cold water
- ◆ Use of LED Lights
- ◆ Use Solar Energy
- ◆ Set the thermostat to 24–26°C for cooling
- ◆ Optimize lighting schedules to avoid unnecessary usage
- ◆ Install BEE rated Appliances



**Jal
(Water)**

- ◆ Recycle & Reuse Water
- ◆ Adopt cultivation of less water-intensive crops like millets
- ◆ Reuse rainwater
- ◆ Minimize use of potable water
- ◆ Install Efficient irrigation systems
- ◆ Plant native landscape species to reduce landscape water demand
- ◆ Fix leaks in flushes, taps and waterpipes



**Akash
(space)**

- ◆ Follow design in harmony with nature
- ◆ Maximize open spaces
- ◆ Design to promote daylight & Ventilation
- ◆ Design to enhance indoor thermal comfort & air quality
- ◆ Include indoor plants in interiors
- ◆ Use low-energy materials in interiors



**Prithvi
(Earth)**

- ◆ Promote use of use eco-friendly materials
- ◆ Avoid polluting soil
- ◆ Promote the concept of reduce, reuse & recycle
- ◆ Avoid use of plastics
- ◆ Waste segregation at source

Pathway to Sustainable
Lifestyle

GRIHA's motto and vision draw inspiration from **ancient wisdom** that advocates a balanced, sustainable lifestyle in harmony with nature.

“

GRIHA's Motto

What gets measured gets managed

GRIHA's Vision

We, at GRIHA Council, stand for credibility, integrity and inclusiveness, while upholding Indian ethos for future-ready and sustainable habitat.

”

GRIHA and its Principles

GRIHA Council is an independent 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 built-environment in India.

GRIHA is a Sanskrit word meaning - 'Abode'.

GRIHA aligns with the path of India's heritage of ecological living in modern architecture, following the principles of ancient Indian philosophies found in Vedic literature, Upanishads, Vastu Shastra, and epics like Ramayana and Mahabharata.

It integrates **Indian cultural wisdom** with **modern green building standards** to create environmentally responsible, energy-efficient, and sustainable habitats.



“

2007



सत्यमेव जयते

नवीन एवं
नवीकरणीय ऊर्जा मंत्रालय
MINISTRY OF
**NEW AND
RENEWABLE ENERGY**

Declared and adopted as the
“**National Rating System
for Green Buildings**”

”

“



**The Climate
Reality Project®**

2008

Recognized as a **“tool for
implementing RE in the
building sector”** by “The Climate
Reality Project”- an organization
founded by **Mr. Al Gore**

”

“

2009



UNITED NATIONS

Recognized as an **“innovative tool”** for sustainable development by the **United Nations**

”

“



UNEP - SBCI

United Nations Environment
Programme's Sustainable Buildings
and Climate Initiative

2010

UNEP-SBCI has developed the
“Common Carbon Metric”
(kWhr/sq m/annum), for international
building energy data collection based
on inputs from **GRIHA**

”

“



UNFCCC

**United Nations Framework
Convention on Climate Change**

2015

Recognized as **India's own green building rating system** and part of mitigation strategy for combating climate change in **INDIA's INDC** submitted to **UNFCCC**.

”

“

2021 & 2024



UNFCCC

**United Nations Framework
Convention on Climate Change**

Recognized that India has developed
its building-energy rating system in
INDIA's NDC submitted to
UNFCCC.

”

“

2023



GRIHA Council awarded as the
National Brand of the Year

”

“



2023

GRIHA Council became a
**Member of international
framework for water
stewardship**

”

“



UN Climate Technology Centre & Network
UNFCCC Technology Mechanism

2023

GRIHA Council became a **Member of UN Climate Technology Centre and Network (CTCN)**, the operational arm of the UN Framework Convention on Climate Change (UNFCCC) Technology Mechanism

”

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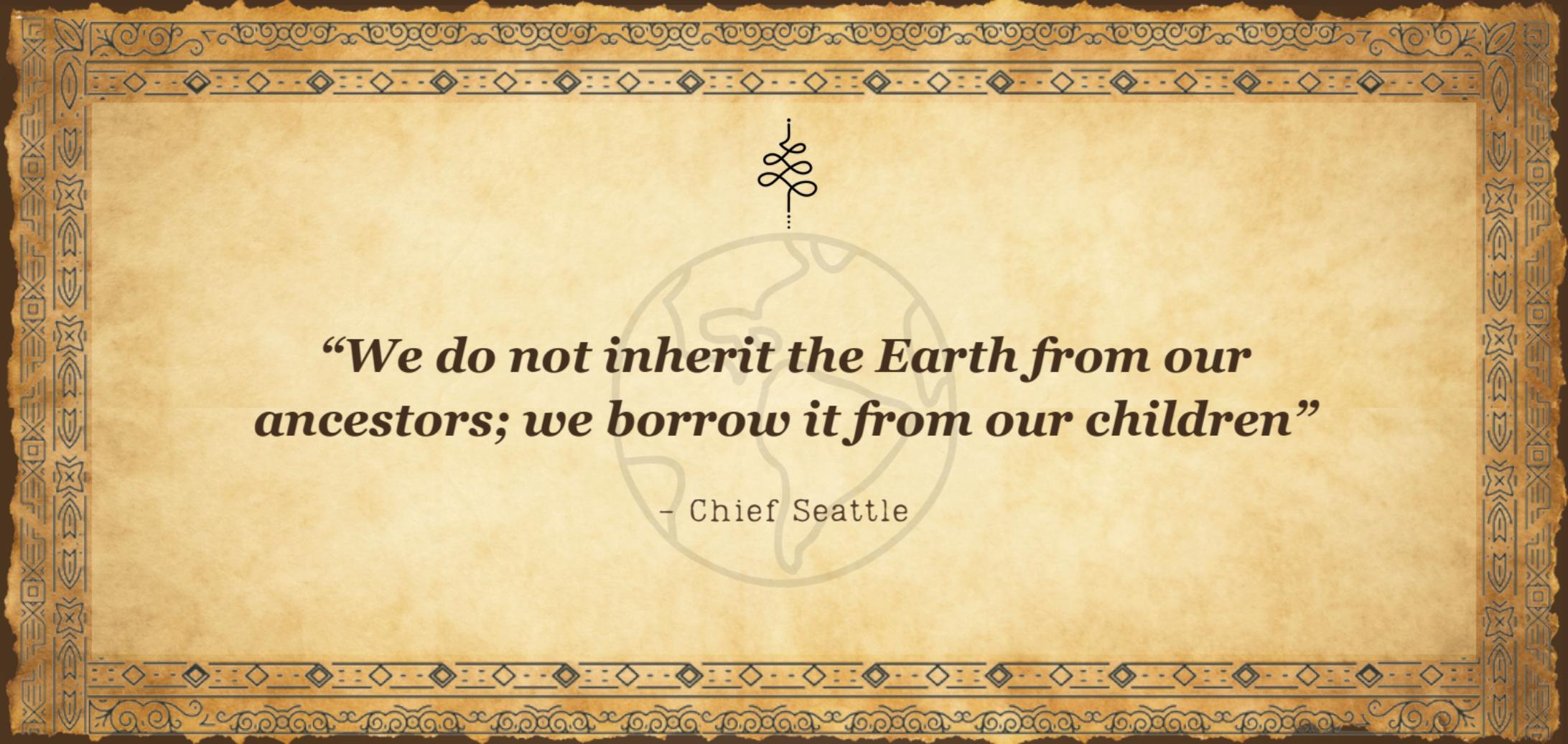


G R E S B

2025

GRIHA Rating Variants recognized internationally for **ESG assessments** and **sustainability benchmarks** for commercial real estate and infrastructure

”



***“We do not inherit the Earth from our
ancestors; we borrow it from our children”***

- Chief Seattle

GRIHA Verticals



Ratings

GRIHA rating variants assess sustainability across various project types such as **new buildings, existing structures, interior spaces, cities, and infrastructure** - tailored to Indian climate, scale, and culture and development needs.



Certifications

GRIHA certifications include **Water Positive, Net Zero Waste, and the Decarbonizing Habitat Program**, recognizing projects that demonstrate excellence in water conservation, waste management, and low-carbon development.



Product Catalogue

The GRIHA Product Catalogue is an **online platform providing verified green building product information** to help professionals select materials that meet GRIHA parameters, enabling informed decisions for sustainable and green construction.



Outreach & Training

GRIHA Council promotes **sustainable development nationwide** through capacity building programs, conclaves and the Annual GRIHA Summit. GRIHA has an extensive **Community** engaging different stakeholders via memberships, certifications, and empanelment.



Publications

GRIHA Council shares knowledge through its publications, **featuring research, manuals, and case studies** on sustainable development. These resources empower professionals, policymakers, and students to adopt and advance green practices.



Events

GRIHA Council conducts targeted **events for professionals, students, and residents**—such as **trainings, competitions, and awareness drives**—focused on GRIHA concepts to promote green building practices nationwide.

Key Features of GRIHA rating

India's only rating agency with **3 site visits** to ensure sustainable practices from design to operations.

Lays emphasis on **cost-effective** strategies for making green buildings.

Common sense oriented rating systems which includes non-applicability clauses.

Emphasizes on **Integrated Design Approach** towards green buildings.

GRIHA Rating Variants

Each GRIHA rating variant is designed with Indian climatology, culture, and scale in mind, ensuring sustainability at different levels of urban and rural development.

The various criteria of GRIHA rating variants are closely associated with the elements of Panch-tatva and Vedic literature which lays the foundation for resource preservation and conservation:

- Climate Resilience
- Energy Conservation
- Water Conservation
- Waste Conservation
- Occupant Comfort
- Governance
- Low-Impact materials
- Social Engagement
- Environment Protection and awareness
- Construction Management

New Buildings



Simple Versatile
Affordable



GRIHA



GRIHA LD



GRIHA for
Affordable Housing



GRIHA for
Interior spaces

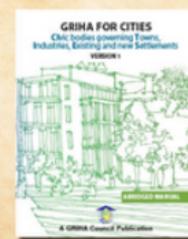
Existing Buildings



GRIHA for
Existing Buildings



GRIHA for
Existing Schools



GRIHA for
CITIES



GRIHA
Infrastructure rating



GRIHA Rating for
Ports

Infrastructure Development

SVAGRIHA



-----Scan Me-----

The United Nations fittingly states that “For the global sustainability goals to be reached, everyone needs to do their part: governments, the private sector, civil society and people like you.”

Simple Versatile Affordable GRIHA



SVAGRIHA is a simple guidance-cum-rating tool to ramp up its adoption by general masses and further minimize the GHG emissions caused by small-scale constructions.

*SVAGRIHA targets to achieve a few of the **Good Life Goals (GLGs)** by adopting the design guidelines.*

***Impact Analysis Tool** helps to understand the qualitative and/or quantitative impact of the project on the environment.*

*Every project has to attain **minimum prescribed points** in each section to avail the rating.*

Rating Process

- 1 Registration
- 2 Orientation workshop (Optional)
- 3 Intermittent Site visit (Optional)
- 4 Submission of Documents & Online Calculators
- 5 Preliminary Evaluation
- 6 Site visit
- 7 Final Evaluation
- 8 Award of Rating

Eligibility

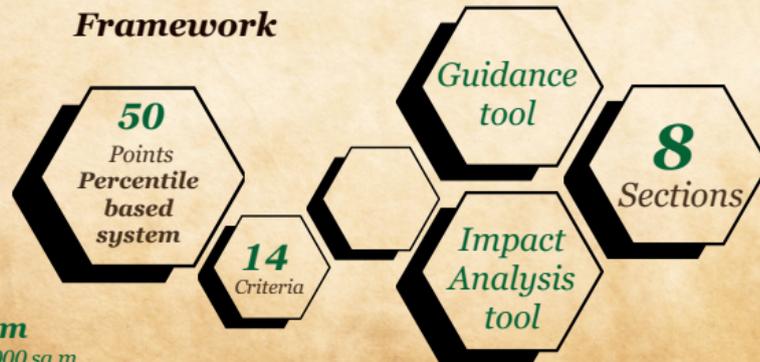


Small projects
Built-up area

50 sq.m to 2,500 sq.m

Note: For residential, 50 sq.m to 5,000 sq.m

Framework



Rating Threshold

Points	Rating
25 - 29	★
30 - 34	★★
35 - 39	★★★
40 - 44	★★★★
45 - 50	★★★★★

GRIHA



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The report “**Climate Change 2021: The Physical Science Basis**” by the **Intergovernmental Panel on Climate Change** emphasises upon the urgency of the global warming crisis and attributes the cause to human activity. Since the late 19th century till date, global surface temperatures have increased by approximately 1.07 °C.

The building and construction industry account for about **38% of global carbon emission** and to ensure at least a stabilisation of global warming at around 1.5°C, **an immediate decarbonisation over the lifecycle of buildings is vital.**

GRIHA



Enhances liveability and workability of the occupants.

A comprehensive update to the last **GRIHA** versions, focusing on enhanced performance, user-friendliness, and alignment with national policies.

It is an Indigenous rating system which adopts holistic approach towards sustainability. It emphasis on passive design, low energy demand and resource optimization.

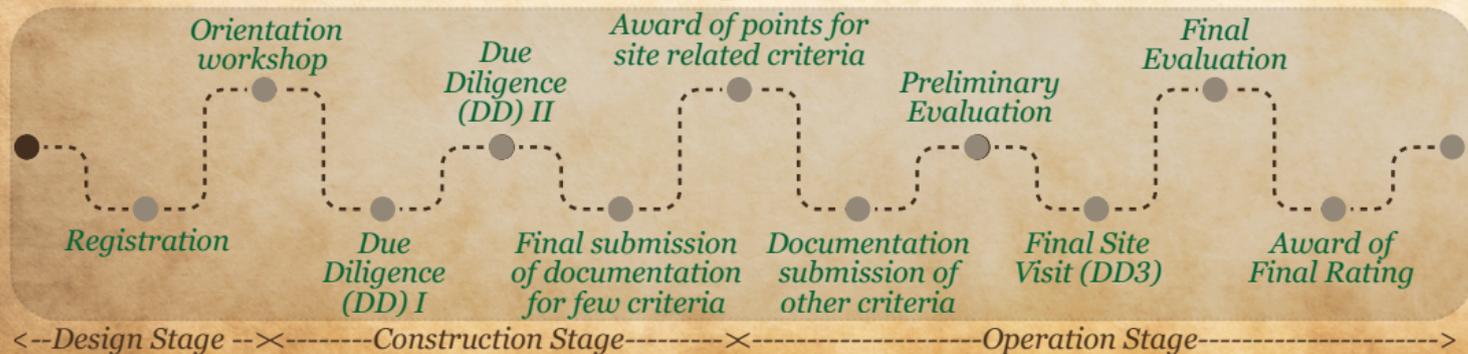
Eligibility



Built-up area more than 2500 sq.m



Rating Process



Rating Threshold

Points	Rating
25 - 40	★
41 - 55	★★
56 - 70	★★★
71 - 85	★★★★
86 +	★★★★★

GRIHA for

Large Development



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According to the 12th Five Year Plan, released by the **Planning Commission of the Government of India**, nearly 285 million people were living in urban agglomerations. India's urban population grew from 285 million to 380 million by 2011, and is projected to reach 600 million by 2030.

This rapid urbanization could lead to 60–70 cities with populations over a million.

In recent years, the government has prioritized developing SEZs, educational hubs, and new townships.

GRIHA Large Developments (LD)



Emergence of new large-scale developments/ townships/ neighborhoods and the growth of older ones are bringing in complex changes to ecology, natural resources & environment at local, regional, and global scales.

Eligibility



Site area \geq
50 hectares (125 acres)

The project is analyzed through two types of appraisals: **Self-Sufficiency and Development Quality**.

--- Sections ---



The intent of **GRIHA LD** is to provide a consolidated framework for assessment of environmental impacts of large scale developments.

GRIHA LD masterplan is a design stage evaluation and phase wise rating is for implementation evaluation.



GRIHA for

Interior Spaces



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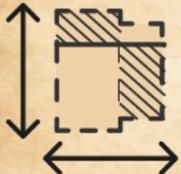
*The impact of carbon emissions from interior construction and renovation projects has not received much attention due to its overall minimal impact on carbon emissions. Studies indicate that each **interior renovation of a building increases carbon emissions**, accumulating significantly over the building's lifespan.*

GRIHA for Interior Spaces (Ins)

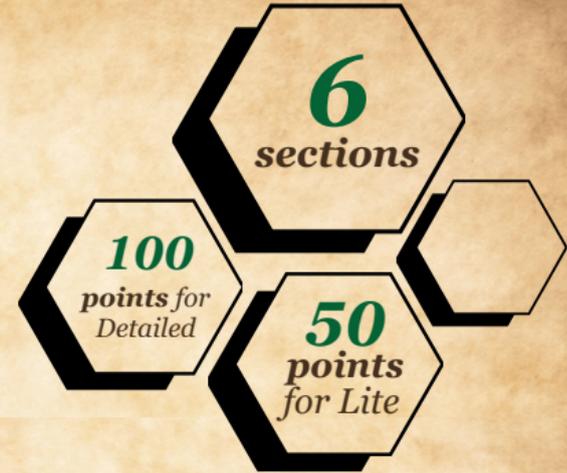
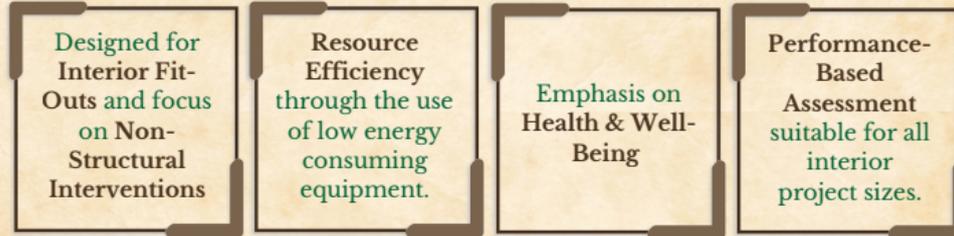


The **GRIHA Interiors (InS)** caters to the specific requirements of owner and tenants- occupied commercial and residential interior spaces. All the aspects of building interiors fit outs are under the scope of this rating.

Eligibility



Carpet area ≥ 25 sq.m



Rating Threshold

Rating	Lite	Detailed
★	25 - 29	25 - 40
★★	30 - 34	41 - 55
★★★	35 - 39	56 - 70
★★★★	40 - 44	71 - 85
★★★★★	45 - 50	86 +

----- GRIHA for Interior Spaces have 3 optional paths for rating: ----->

Lite Version

One-time certification with a validity of **one year**, serves as initial step.

Hybrid Rating framework

Allows project from Lite -version to transition to the Detailed version.

Detailed Version

Comprehensive evaluation of interior fit-outs with a validity of **three years**.

GRIHA for Affordable Housing



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"Housing for All" mission aims to provide affordable, safe, inclusive, and environmentally sustainable housing to eligible urban and rural households by 2022, with the Pradhan Mantri Awas Yojana (PMAY) being the primary initiative.

GRIHA for Affordable Housing (AH)



Helps low-income households lower operational costs and GHG emissions.

Evaluates the environmental performance of residences holistically over its entire life cycle.

Eligibility



Approval/Sanction

Approval/sanction letter issued by government agency confirming project being developed as per PMAY.



Site selection

Boundary must comply with the applicable building bylaws related to environment and regulations in project location.



Compliance with RBI

Compliance with the Reserve Bank of India's "Master Directions – Priority Sector Lending (PSL) – Targets and Classification".

With **GRIHA AH** rating, many low-income households are able to reduce the operational costs and GHG emissions by improving their resource efficiency. The rating evaluates the environmental performance of residences holistically over its entire life cycle. The rating provides a definitive standard for what constitutes a '**green building**' as it is a dedicated assessment cum rating tool, and a pre-fed calculator based system.

Rating Threshold

Points	Rating
25 - 40	★
41 - 55	★★
56 - 70	★★★
71 - 85	★★★★★
86 +	★★★★★



GRIHA for

Existing Building



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According to **India Cooling Action Plan 2019**, approximately 8% of the households have room air conditioners. This is anticipated to rise to 21% and 40% by 2027-28 and 2037-38 respectively. The demand for air conditioning will continue its exponential growth with improvement in household incomes and will become the dominant contributor of GHG emissions nation-wide owing to increased electricity consumption. This situation calls for an immediate energy conservation action plan, especially in the existing building stock.

**UNlocking National Energy-Efficiency potential (UNNATEE),
Bureau of Energy Efficiency, Ministry of Power**

GRIHA for Existing Buildings (EB)



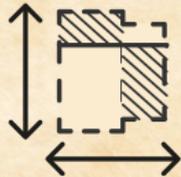
GRIHA EB is an integrated tool to evaluate performance and provide solutions for enhanced energy and water efficiencies, increased thermal & visual comfort, and decreased operational & maintenance costs for existing buildings.

While focusing on the above, the tool has been developed with the underlying objectives of simplicity of execution, economic viability and alignment with national and sub-national policies.

Typologies

- Offices
- Retail spaces
- Institutional buildings
- Hotels
- hospital buildings
- Healthcare facilities
- Residences
- Multi-family high-rise buildings

Eligibility



Built-up area \geq
2,500 sq.m



Salient Features

Performance-Based Evaluation.

Applicable to Operational Buildings.

Low-Cost Retrofitting Focus.

Encourages training, occupant engagement, and green operational practices.

GRIHA for

Existing Schools



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Eco Clubs play an important role in creating environmental awareness amongst the future generation. 2000 Eco-Clubs have been established in Government, Aided, Private, Public Schools and Colleges of NCT of Delhi. Department of Environment provides token grant to each Eco Club School/College for undertaking various Eco-friendly activities.

***Department of Environment
Government of NCT of Delhi***

GRIHA for Existing Schools (ES)



GRIHA ES is developed with an aim to develop proactive attitude amongst the students and teachers to reduce their environmental footprint and adopt a greener lifestyle, by means of learning through play activities, thereby converging towards the national targets.

Rating Threshold

Points	Rating
25 - 29	★
30 - 34	★★
35 - 39	★★★
40 - 44	★★★★
45 - 50	★★★★★

All day schools (except staff residential facilities) which have been operational for at least 1 year.



Rating Process

- ★ Online Registration
- ★ Orientation workshop
- ★ Collection of Data (ECO Team - Teachers and students)
- ★ Interim site visit (Optional)
- ★ Preliminary Evaluation (mandatory)
- ★ Final submission of documents by ECO team
- ★ Final Review by GRIHA Council
- ★ Award of Rating

---GRIHA for Cities---



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The Government of India launched the **Smart Cities Mission (SCM)** on 25 June 2015.

The objective of SCM is to promote cities that provide core infrastructure and give a decent quality of life, clean and sustainable environment to their citizens through application of **smart solutions**. The focus is on **sustainable and inclusive development** and the idea is to look at compact areas, create replicable models which will act as lighthouses for other areas in the same city/other aspiring cities.

**Press Information Bureau
Government of India
Ministry of Housing & Urban Affairs**

GRIHA for CITIES



The **GRIHA for CITIES** rating has been structured as a framework for sustainable development of a city, to be achieved by measuring 'greenness' of existing as well as proposed cities.

*It evaluates the project's performance in areas such as **smart governance, social wellbeing, and transportation.***

*The rating sets **performance benchmarks** for key resources such as energy, water, waste, etc.*



*CITIES is an abbreviation for **C**ivic bodies governing **T**owns, **I**ndustries, **E**xisting and new **S**ettlements.*



Salient Features

Holistic Urban Sustainability Assessment

Performance-Based Indicators

Climate-Responsive Urban Planning

Engages community & transparency in governance

Rating Threshold

Points	Rating
25 - 40	★
41 - 55	★★
56 - 70	★★★
71 - 85	★★★★
86 +	★★★★★

GRIHA Rating for

Ports



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Maritime India Vision (MIV) 2030, the roadmap prepared by the Ministry of Ports, Shipping and Waterways for the maritime sector in the country, aims to strengthen the maritime sector.

Additionally, India's government under **the Sagarmala Program** has implemented several strategies aligned with multiple SDGs, such as promoting renewable energy adoption at ports, waste management systems, and sustainable development initiatives like green hydrogen and ammonia bunkering facilities, etc.

GRIHA Rating for Ports

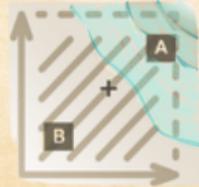


The **GRIHA rating for Ports** establishes guidelines for developing Green Ports in India, acknowledging the crucial contribution of the Indian maritime sector in achieving a net-zero economy.



The evaluation parameters and process in rating varies for new and existing ports.

Eligibility



$A + B \geq 10$ Hectare
 A = Harbour Area
 B = Land Area

Rating Threshold

Points	Rating
25 - 40	★
41 - 55	★★
56 - 70	★★★
71 - 85	★★★★
86 +	★★★★★

	New Port	Existing Port
11%	Sustainable Site Planning	11% Sustainable Site Planning
2%	Project Management	0% Project Management
5%	Social and Environmental Aspects	5% Social and Environmental Aspects
9%	Sustainable Materials	11% Sustainable Materials
11%	Climate Action	11% Climate Action
15%	Energy Management	12% Energy Management
13%	Occupant Comfort	16% Occupant Comfort
13%	Water Management	13% Water Management
5%	Waste Management	5% Waste Management
9%	Carbon Assessment	9% Carbon Assessment
7%	Operation and Maintenance	7% Operation and Maintenance

GRIHA Infrastructure

Rating for Highways



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*Highways play a crucial role in **interconnecting regions** and **supporting economic growth**, making it imperative to construct in a manner that balances environmental responsibility with development goals.*

GRIHA Infrastructure Rating for Highways



The **GRIHA Infrastructure Rating for Highways** encourages project developers, contractors, and stakeholders to adopt sustainable construction techniques, reduce resource consumption, and implement environmental safeguards.

Helps to mitigate the long-term ecological and social impacts of highway projects while enhancing their resilience against climate-related challenges.

Applicability:

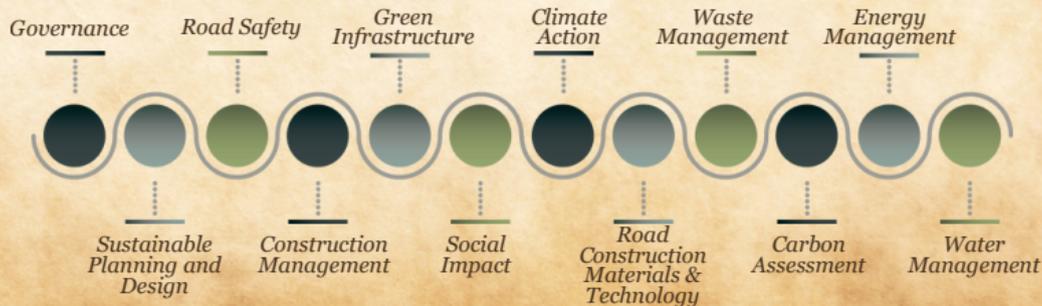
To new, proposed, and expanded National and State highways.



Rating Threshold

Points	Rating
25 - 40	★
41 - 55	★★
56 - 70	★★★
71 - 85	★★★★
86 +	★★★★★

Criteria for Evaluation



Objective:

- Enhancing sustainability
- Providing consistency
- Provides better decision-making parameters
- Offers a holistic view of roadway performance.

1 Himachal Pradesh: 10% additional FAR for GRIHA 4/5-rated projects.

2 Delhi: MoHUA gives 1% to 5% extra ground coverage and FAR for projects of more than 3,000 sq.m plot size on the basis of GRIHA evaluation.

3 Sikkim: Mandatory for all government and semi-government projects to go for a minimum 3-star GRIHA rating.

4 West Bengal: 10% additional FAR and Fast track sanction of plans.

5 Noida & G.Noida
5% additional FAR for projects of plot area greater than 5,000 sq.m.

Uttar Pradesh
5% additional FAR for 4/5 star GRIHA-rated projects.

6 Jharkhand: 3%, 5%, and 7% additional FAR shall be awarded to all building uses (except plotted residential) for achieving a 3-star, 4-star, or 5-star GRIHA rating, respectively.

7 Andra Pradesh: GoAP to provide 25% subsidy of the total fixed capital investment of the project.

8 Tamil Nadu: Industrial projects eligible for a 25% subsidy on the cost of setting up environmental protection infrastructure.

GRIHA Incentives

GRIHA-rated projects are eligible for a range of government and local body incentives, including fast-track approvals, extra FAR/FSI, property tax rebates, and financial subsidies in many states of India. These incentives promote the adoption of sustainable building practices.



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- 9 Jammu and Kashmir:** Upto 15% FAR benefits Exemption from environmental clearance for GRIHA projects.
- 10 Punjab:** 5% additional FAR for 4/5 star GRIHA-rated projects.
- 11 Haryana:** Up to 15% extra FAR for all building uses (except plotted residence) for all GRIHA variants. All PSUs and government buildings to be constructed as per GRIHA norms.
- 12 Rajasthan:** Buildings with GRIHA rating certificate will be eligible for availing additional 7.5% to 15% FAR free of charge.
- 13 Gujrat:** AUDA: 5% discount on chargeable FAR payable to the approving authority. Assistance of up to 50% of consulting charges or INR 2.5 lakh, whichever is less, for industrial buildings of more than 2,000 sq.m built up area. 50% (up to 10 lakh) reimbursement of GRIHA Certification fee for hotel/resort projects.
- 14 Kerala:** Incentives on One-time Building Tax, Stamp Duty and Property Tax for green buildings.

GRIHA Incentives

15 Maharashtra

Government of Maharashtra has made it mandatory to achieve a minimum of 3-star rating for construction projects under GRIHA for all buildings belonging to government, semi-government, local bodies and public sector.

PMC & PCMC:

- Discount in premium charges (payable to Municipal Corporation, for both GRIHA and SVAGRIHA projects).
- Up to 10% discount could be availed on Property Tax for home owners for the GRIHA projects. For SVAGRIHA projects, up to 15% discount on Property Tax for home owners.
- PWD, GoM, mandates GRIHA rating for both new and existing government buildings.





परस्परोपग्रहो जीवानाम्

Living beings sustain each other.

- Tattvartha Sutra

We promote sustainable development where the built environment supports both people and nature.

GRIHA Certifications

An initiative aimed at reducing carbon emissions in the built environment.



**Water Positive
Certification**



**Energy Positive
Certification**



**Net Zero Waste
Certification**



**Net Zero Transport
Certification**



**JAN GRIHA
Caertification**

Note:

Along with these, GRIHA has mandatory reporting on Social and lifestyle carbon emissions.

<-----GRIHA Decarbonizing Habitat Programme (DHP)-----> <----- JAN GRIHA ----->



In response to the growing impacts of climate change, global governments have united through initiatives like the Kyoto Protocol, the Paris Agreement, and COP 26 to curb environmental damage. Guided by the Hon'ble Prime Minister's vision, India has undertaken structured efforts to cut emissions and, at COP 26, committed to achieving Net Zero emissions by 2070.

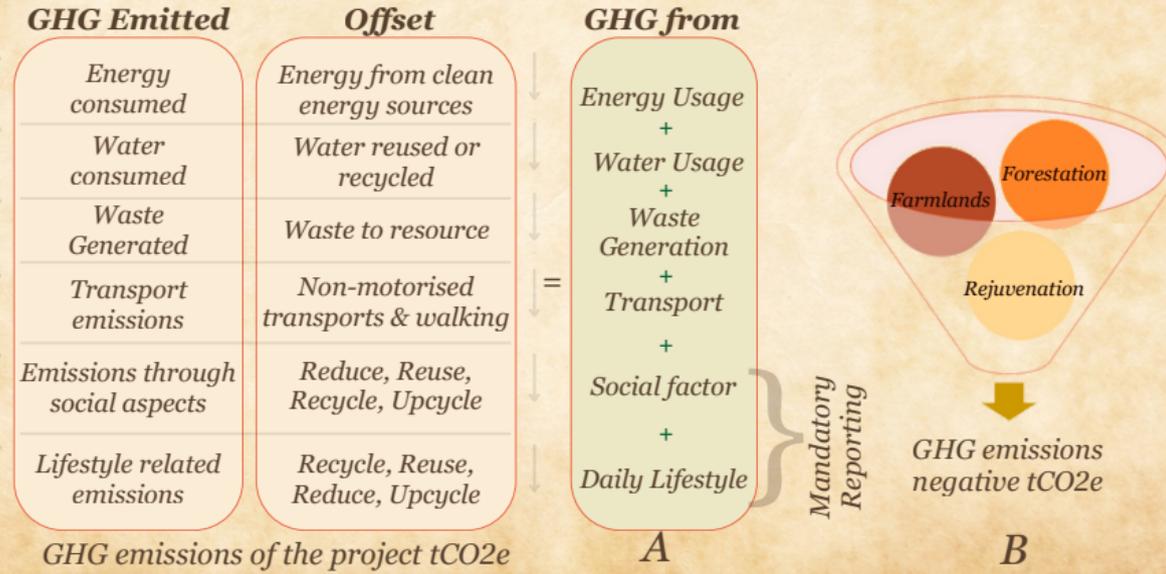
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GRIHA Decarbonizing Habitat Programme (DHP)

A GRIHA Certification Programme

This program enables the organization/ company/ industry to estimate its current **carbon footprint** and **adopt cost effective strategies** that will help in reducing the footprint in the future.

Net GHG emissions of the project are assessed based on:
Reduction in carbon emissions & increase in carbon sequestration:



Certification Process

- Registration
- Orientation Workshop
- Data Collection
- Third Party Assessment
- GHG Reporting
- Issue of Certificate

JAN GRIHA

Certification



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The residential sector accounts for 22% of the total energy used in India. Energy consumption from residential buildings has been envisaged to rise by more than eight times from 2012 to 2050 under the business-as-usual scenario.

*Combined with economic growth, this will lead to an increase in the demand for coal in India and subsequently, carbon emissions. Responding to this urgent need to alter the future scenario, GRIHA is releasing a new certification—**Jan Awas Nirman GRIHA**—also known as **JAN GRIHA**.*

Jan Awas Nirman GRIHA Certification

A GRIHA Certification Programme

JAN GRIHA is aimed at ensuring that sustainability in the built environment is easily adoptable by the masses.

The certification has been developed keeping in mind the limitations of the affordable housing sector and focuses on minimizing any additional cost that the project proponent incurs in making their homes **'Green'**.

Intent



Spread the idea of sustainability at grass root level



Recognize the efforts towards sustainability



Reduction of carbon footprint

Framework



Sustainable Building Design



Sustainable Building Material



Water Management



Waste Management



Energy Optimization



Sustainable Lifestyle

Threshold

Points

Rating

10 - 18

★

19 - 26

★★

27 - 34

★★★

35 - 42

★★★★★

43 - 50

★★★★★★

Salient Features

Affordable

Simple

Innovative

GRIHA

Product Catalogue



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“

“पर्यावरणस्य संरक्षणं, सततविकासस्य कारणम्।
हरितसामग्रीं प्रयोगं कुर्वन्तु, भवितव्यं शुभं भवतु।”

”

*Protection of the environment is the cause of sustainable development.
Use green materials, and let the future be fortunate.*

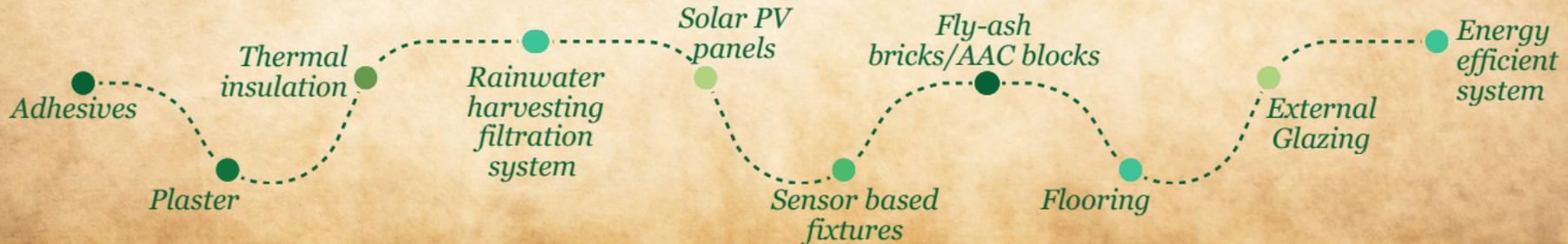
GRIHA Product Catalogue



The **GRIHA Product Catalogue** is a comprehensive inventory of low impact materials, that align with the GRIHA standards. It is designed to promote green building materials and technologies. This catalogue serves as a valuable resource for architects, builders, developers, and sustainability professionals looking to integrate environmentally responsible solutions into their projects.

The products enlisted on the GRIHA Product Catalogue website have been evaluated based on the technical parameters of various GRIHA variants.

Few typology of categories for enlisted products:



GRIHA Prelude Events



**Paryavaran Rakshak
Programme**



**Green building
tour**



**National GRIHA
Summit**



The prelude events are designed with the objective to spread awareness amongst multiple stakeholders on the topics of environmental concern.

Technical Workshops

These workshops are aimed at building technical capacity among architects, engineers, developers, consultants, and other stakeholders.

Green Building Tour

For young building professionals & students, green tours are organized for different GRIHA projects across the country.

Paryavaran Rakshak Programme (PRP)

PRP aimed at sensitize young minds about sustainability through various activities fun activities like Plogging, Nukkad Natak, etc.

GRIHA Events

GRIHA National summit

The GRIHA Summit is the annual flagship event organized by GRIHA Council in association with key stakeholders in construction industry to discuss and deliberate on furtherance of Sustainable Habitat Development in India.

The GRIHA Summit has hosted various technical sessions on sustainable building policies, tools & techniques and exhibitions showcasing sustainable building materials, techniques and technologies. The keynote sessions and panel discussions have been enriched by the participation of distinguished speakers and panelists from different sustainable habitat sector.

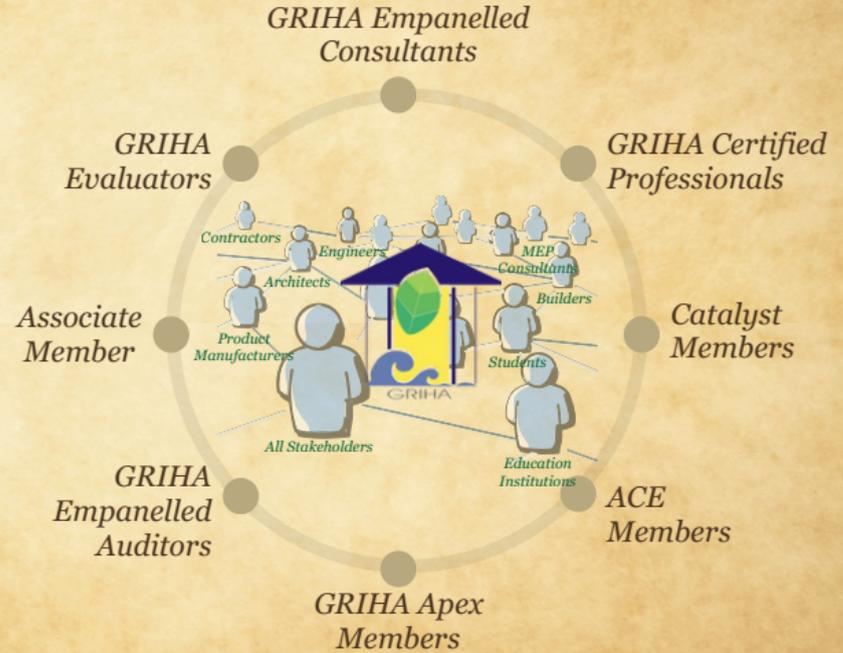


GRIHA Regional Conclaves

GRIHA Regional Conclaves augment the development of sustainable habitats and resilient communities at the regional levels.

This serve as a platform to deliberate on the interdependence between communities and organizations in creating inclusive and climate-resilient infrastructure in our drive towards decarbonizing the built environment by 2050 and achieving the target of becoming a 'Net Zero' nation by 2070.

GRIHA Community



Training and Outreach

Capacity Building programme

Knowledge is the first step towards attaining our commitments to foster a sustainable future.

GRIHA Council organises comprehensive training programs designed to equip professionals from diverse sectors with the tools and knowledge to implement green building practices.



*GRIHA
Rating
Variants*



*Climate
Change &
Green
Buildings*



*Sustainability
in Schools*



*Affordable
Sustainable
Housing*



*Decarbonizing
Habitat
Programme*



*Sustainability
in Interior
Spaces*



*Energy
Efficient
Buildings
compliant with
ECBC 2017 &
ENS 2021*



*GRIHA
Certifications*



GRIHA Publications

The Sustainable guidelines for

- *Design Implementation*
- *Construction Management*
- *Operation and Maintenance*

have been published in regional languages such as Kannada, Assamese, Punjabi and Odia, fostering wider outreach and knowledge dissemination across diverse communities in India.

GRIHA Publications

Our publication includes detailed manuals, guides, and toolkits that support the **implementation of GRIHA rating systems**, offering technical insights and best practices on sustainable buildings and performance evaluation.



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GRIHA Collaborations



Asahi India Glass Ltd.



Mercedes-Benz



Give me trees

Sheffield Hallam University



Lab 4 Living



ATIVA



german cooperation

giz



The Climate Reality Project
INDIA & SOUTH ASIA



Aadhar Housing Finance Ltd.
GHAR BANEGA, TOH DESH BANEGA.



PlayPonics Marketgarden



SWMRT



BILLABONG HIGH INTERNATIONAL SCHOOL
NOIDA



SAINT-GOBAIN



YES BANK



panache
Creating Cool Green Cities...



NARA

ISHRAE

homefirst
Real Estate Solutions



Sundaram
Books for Success...



isa INTERNATIONAL SOLAR ALLIANCE



DIA MOTIVATION ACADEMY
NURTURING GLOBAL CITIZENS

Mahindra LIFESPACES

armacell
MAKING A DIFFERENCE AROUND THE WORLD



MOBIUS FOUNDATION



KARAVYA FOUNDATION



Coal India Limited
Coal India Limited
Coal India Limited

VASTU HOUSING FINANCE

Cu International Copper Association India
Copper Alliance



32nd
• Est'd. 1986 •

JSW Cement
The Leaders' Choice

igsss Indo-Global Social Service Society



LIC
LIC
LIC



bmapc

CO Council of Architecture
वास्तुकर्ता परिषद्
Council of Architecture

MOOLCHAND
Health, Happiness, Wealth

Indiaशेल्डर
होम लोन्स

interio

NIU
National Institute of Urban Affairs

CA
वास्तुकर्ता परिषद्
Council of Architecture

BESTECH

elan
Elevating the Experience



AIAPCO
Association of Indian Architects

AAI
Airports Authority of India

More...

“वसुधैव कुटुम्बकम्।”

“The whole world is one family.”

- Maha Upanishad

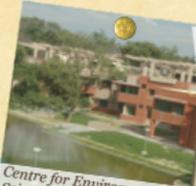


GRIHA has been working actively towards accelerating climate action and adoption of sustainable practices by engaging diverse stakeholders through workshops, awareness drives, training sessions, events, etc.

Eminent GRIHA Projects



Headquarters Building for Unique Identification Authority of India (UIDAI)



Centre for Environmental Science and Engineering, IIT Kanpur



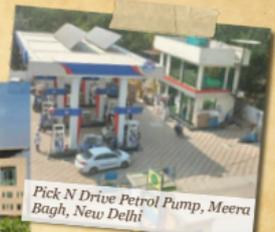
INFOSYS SDB 1, Hyderabad



Supreme Court of India, New Delhi



Punjab National Bank Head Office, New Delhi



Pick N Drive Petrol Pump, Meera Bagh, New Delhi



ITC Grand Chola, Chennai



One Earth, Suzlon - Pune



MoEFCC, New Delhi



MNRE, New Delhi



British School, New Delhi



Bharat Mandapam, New Delhi



Tirupati Airport, Andhra Pradesh



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533 MWp

Renewable energy
system installed



=



642 GWh
Annual Energy Saved

Requirement of
2,14,000+
households (4 pax)

1700+
Rated Buildings

73,000+

Trees preserved

90,000+

New trees planted

1 Billion sq. ft.+
Green Building footprint under GRIHA Rating

5000+
Registered Projects

6000+
Registered Products in GRIHA
product catalogue



=



8,400+
Gtons of CO₂
Emissions averted from the
atmosphere

104 Gigalitres
Annual Water Saved

Requirement of
5,30,000+
households (4 pax)

10 lakh +
Students &
professionals trained

“

Let us deliver the Viksit Bharat 2047 vision by promoting sustainable housing, energy efficiency, waste management, & community-driven environmental initiatives for a cleaner, greener India.

”



GRIHA Council

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110003*



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