

APRIL – JUNE 2024

GRIHA

NEWSLETTER

Green Rating for Integrated Habitat Assessment



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Message from Mr. Sanjay Seth **Vice President & CEO, GRIHA Council**



Every year Earth Day is commemorated on 22 April with an intent to engage and unite people globally in support of safeguarding our planet Earth by fostering behavioural change. This year's Earth Day theme is centred around 'Planet vs. Plastics' which is a clarion call for us to cease plastic use by 2040 as a way to protect human and planetary health. Witnessing the detrimental impacts of plastic use in our daily lives and its adverse effects on Earth's natural balance, let's make conscious efforts to curb the use of plastics and resolve to choose 'Planet over Plastics'.

As a part of the Earth Day celebration, the Senior Programme Manager and Treasurer, GRIHA Council shared insights as a speaker in the seminar titled "India's Decarbonization Strategy: Progress and Challenges" conducted by the Centre for Environment, Sustainability and Human Development, O.P. Jindal University, Haryana.

The Vice-President and CEO, GRIHA Council and Deputy CEO and Secretary, GRIHA Council attended the 10th Berlin Energy Transition Dialogue 2024. Deliberations were conducted with delegates from government organizations, science communities, businesses and civil society on accelerating global energy transition whilst maintaining sustainable growth, job and energy security and just transformation.

Towards advancing sustainable built environment, the Buildings and Climate Global Forum was held in Paris, co-organized by the UN Environment Programme (UNEP) and Global Alliance for Buildings and Construction (Global ABC). The delegation from GRIHA Council attended the event and participated in the deliberations with ministers and high-level representatives of key organizations on the need to strengthen international collaboration in the areas of decarbonizing the built environment and enhancing community resilience.

As part of the entourage visiting the University of New South Wales (UNSW), Sydney, Australia and Deakin University, Melbourne, Australia, the President, GRIHA Council; Vice-President and CEO, GRIHA Council and Deputy CEO and Secretary, GRIHA Council interacted with diverse research teams and professors working on various aspects of climate change and sustainability. Witnessing the innovative and groundbreaking research at both institutions in the sphere of sustainability and climate action was truly encouraging and assuring. With an intent to promote collaborative research, knowledge sharing and capacity building across borders, we look forward to fostering partnerships with UNSW and Deakin University, Australia.

At GRIHA Council, we have completed our first set of training and awareness programmes this quarter. Online training programmes were organized on the GRIHA rating variants- SVAGRIHA and JAN GRIHA for building professionals. In response to industry demand, an online awareness programme was conducted on GRIHA for Interior Spaces, which was launched at last year's 15th GRIHA Summit. Along with this, GRIHA Council conducted two online sessions- Stakeholder Meet with Green Building Consultants to cater to the changing demands of the industry, share new developments and take feedback on our existing processes while maintaining the credibility of the ratings. Another Stakeholder Consultation Meet on Sustainable Building Products was organized for green building product manufacturers, companies,

laboratories, software developers and green building consultants to share on the upcoming new features in the the sphere of green building materials and products. An awareness workshop on GRIHA for Existing Schools Rating Variant was conducted for teachers of the Lotus Valley International School. It was heartening to witness the active participation of the educators of the future leaders in promoting resource optimization and a conscious lifestyle. I'd also like to share GRIHA Council has evaluated and rated more than 250 Jawahar Navodaya Vidyalayas-PM SHRI Schools under 4-Star and 5-Star.

In June, GRIHA Council is conducting a 3-day Online Training Programme on GRIHA V.2019. These sessions will be conducted every Saturday commencing from the 8th, 15th and 22nd of June 2024. I encourage everyone to actively participate and share your insights.

Recently, GRIHA Council gathered for the Annual Retreat at the quintessential hill station, Kasauli, Himachal Pradesh. During the eventful two days, the team reflected on last year's goals, deliberated on new ideas and participated in team-building activities. With renewed enthusiasm, the team is motivated to forge new pathways for a productive year ahead.

I am pleased to announce that GRIHA Council is introducing GRIHA Regional Conclaves from this new fiscal year. With an intent to reach out to every corner of India to advance the development of sustainable habitats and resilient communities, GRIHA Council will be organizing 3 regional conclaves in different cities across India along with the National Summit in New Delhi. This year the three GRIHA regional conclaves will be held in Lucknow, Hyderabad and Jaipur. The first two regional conclaves will be held in Lucknow, Uttar Pradesh and Hyderabad, Telangana on 20th June 2024 and 30th August 2024 respectively and the national 16th GRIHA Summit in New Delhi on 04th -05th December 2024. We will be sharing more information on the event as we draw closer to the event.

I'd also like to share the central theme for this year's GRIHA Regional Conclaves and the national 16th GRIHA Summit i.e. 'Accelerating Climate Action in the Built Environment'. With a focus on moving from planning to action, the theme intends to highlight the best practices in expediting climate action across various dimensions in the built environment.

Let's gear up for an eventful year and mark our calendars for the much-awaited GRIHA Regional Conclaves and the national 16th GRIHA Summit. I anticipate your active engagement in meaningful deliberations and sharing experiences and insights with each one of you.

Friends, I'd like to share that, GRIHA Council will be releasing its quarterly newsletter starting this new fiscal year. The newsletter will encompass information on all the events and trainings undertaken in the current quarter and provide details on the upcoming training programmes and events to be hosted by GRIHA Council in the next quarter.



Why Become a GRIHA Certified Professional?



Gain firsthand experience by getting a chance to conduct **site visits** alongside GRIHA officials.



Project team can claim a point under **Innovation** across all variants, if a GRIHA CP is involved in the entire rating process of the project.



Complimentary Registration to our national and regional Summits.



Set yourself apart from peers in the competitive industry as a GRIHA Certified Professional.

Connect with us for more details

www.grihaindia.org

+91 11 46444500

events@grihaindia.org

#griha4all

To register: <http://events.teriin.org/terievent/registration/regstep1/147>

GRIHA v.2019 Professional Examination Calendar 2024-25

GRIHA Certified Professionals (GRIHA CP)	
Month	Date
July	19.07.2024
August	16.08.2024
September	20.09.2024
October	18.10.2024

GRIHA Evaluator	
Month	Date
August	17.08.2024
October	19.10.2024
February	22.02.2025



SAVE THE DATE

16TH GRIHA SUMMIT

ACCELERATING CLIMATE ACTION IN THE BUILT ENVIRONMENT

4th-5th December 2024
INDIA HABITAT CENTRE
NEW DELHI





GRIHA REGIONAL CONCLAVE

ACCELERATING CLIMATE ACTION IN THE BUILT ENVIRONMENT

HYDERABAD
30 AUGUST 2024

JAIPUR
27 SEPTEMBER 2024

STAY TUNED FOR MORE UPDATES

GRIHA Regional Conclave **Lucknow**

GRIHA Council hosted its first regional conclave in Lucknow on 20 June 2024 to “Accelerate Climate Action in the Built Environment”

This was first in the series of conclaves that are planned throughout the year, along with the annual GRIHA Summit, all centred around the same theme.





Shri Durga Shanker Mishra, Hon'ble Chief Secretary, Government of Uttar Pradesh was scheduled to inaugurate the conclave, however, due to an urgent meeting convened by the Hon'ble Chief Minister of Uttar Pradesh, he could not attend the event. Mr. Sanjay Seth, Vice President & Chief Executive Officer (CEO), GRIHA Council & Senior Director, Sustainable Infrastructure Programme, The Energy and Resources Institute (TERI) briefed the Hon'ble Chief Secretary about the regional conclave and the steps being taken by GRIHA Council for upscaling the green building footprint in the country.

"Environmental ethics are paramount. Mother Earth cannot be taken for granted. If you want to start, start today, start from green buildings, start with GRIHA Council", quoted **Shri Manoj Singh**, Additional Chief Secretary, Government of Uttar Pradesh. He highlighted the importance of behavioral and attributory change that GRIHA Council holds the potential to drive, to bring a paradigm shift in the impact of buildings ecological footprint in the country.



Shri Amrit Abhijat, Principal Secretary Urban Development Department, Government of Uttar Pradesh highlighted that with the current infrastructure, workforce, and finance, we are empowered to create a better world; and we should all come together and formulate a plan to work towards it. He also invited GRIHA Council to conduct the GRIHA regional conclave with the support of Government of Uttar Pradesh annually, in various cities of the state.

Mr. Ashish Tiwari, Secretary, Department of Environment, Forest & Climate Change, Govt. of Uttar Pradesh stated that the need to convert crisis to opportunity, and this is only possible through partnerships at all levels. He acknowledged the work done by GRIHA Council and highlighted the initiatives taken by the Government of Uttar Pradesh in the aspects of water management, waste management, energy efficiency, etc.





Capacity building is a crucial element for upscaling the conception of any idea or thought. **Smt. Sabeena Narula Singh**, Chief Architect, Uttar Pradesh Public Works Department emphasized the importance of building up internal capacities and invited GRIHA Council to collaborate for upskilling the pool of existing professionals.

Smt. Dipa Singh Bagai, Country Head, NRDC India commended GRIHA for providing the thrust to escalate climate action, and emphasized the responsibility it carries to disseminate right information and technical assistance to mitigate climate change.



Mr. Sanjay Seth expressed his gratitude to the confidence reposed by the senior government officials in the brand of GRIHA and assured the various line departments of the Government of Uttar Pradesh to work closely with them to accelerate climate action in the built environment and scale up green building and sustainability in the state of Uttar Pradesh.

Deliberations by industry leaders were carried out during the sessions that overarchingly focused on decarbonizing the construction and building industry, ensuring water security, and developing climate-resilient built infrastructure. GRIHA Council signed two Memorandums of Understanding during the event, one with Indian Institute of Architects (IIA), Uttar Pradesh Chapter, represented by Ar. Sandeep Kumar Saraswat, Chairman and the other with Indian Institute of Interior Designers (IIID), Lucknow Regional Chapter, represented by Ar. Rohit Gupta, Hon. Secretary, to spread awareness and promote widespread adaptation of sustainable habitats in the country. The event concluded with a cultural performance to segue into an evening of networking among the attendees.

Aligning with the vision of becoming Viksit Bharat @2047 encompassing various aspects of development, including economic growth, social progress, environmental sustainability, and good governance, the GRIHA Regional Conclave shall serve as a platform to deliberate on the mitigation and adaptation strategies in accelerating our drive towards decarbonizing the built environment by 2050 and achieving the target of becoming a 'Net Zero' carbon emissions nation by 2070.

The Knowledge Partner for the event was GreenTree Global and the Event Partner was Asai.

Proceedings: https://www.grihaindia.org/conclave/pdf/GRIHA_Regional_Conclave_Lucknow_Proceedings.pdf



GRIHA Trophy for Sustainable Buildings

SHAPE: Sustainable Habitats Associating People with Environment



The poster features logos for VIT (Vellore Institute of Technology), GRIHA (Green Rating for Integrated Habitat Assessment), and ZEMCH NETWORK. The main title 'SHAPE' is prominently displayed in large, bold, blue letters. Below it, the subtitle 'Sustainable Habitats Associating People with Environment' is written in a smaller font. The text 'A Design Competition Exclusively for Professionals | Completed Projects only' is centered. A red hashtag '#LetsSHAPEit' is positioned below the subtitle. The bottom section is divided into three columns: 'Design Categories' with a bulleted list, 'Important Dates' with registration, submission, and announcement deadlines, and 'Registration Open Now!!' with 'Attractive Prizes' including 50,000 Prize Money, a GRIHA Trophy, and a Certificate. A QR code and a website link are provided for more details. The background of the bottom section shows a modern building labeled 'GANDHI BLOCK'.

VIT
Vellore Institute of Technology
School of Architecture (V-SPARC)
School of Civil Engineering (SCE)

GRIHA

ZEMCH NETWORK

GRIHA Trophy for Sustainable Buildings

SHAPE

Sustainable Habitats Associating People with Environment

A Design Competition Exclusively for Professionals |
Completed Projects only

#LetsSHAPEit

Design Categories

- Hospitality
- Institutional
- Residential - Stand-alone
- Residential - Group housing
- Commercial - Retail
- Commercial - Offices

Registration Open Now!!

Attractive Prizes
Prizes for Each Category
50,000 Prize Money + GRIHA Trophy
+ Certificate

Important Dates
Registration Deadline - 31st July 2024
Submission Deadline - 31st August 2024
Announcement of Results - 7th November 2024

For More details:
<https://vit.ac.in/zemch2024/>

GANDHI BLOCK

SHAPE: Sustainable Habitats Associating People with Environment - A Design Competition. The registrations for the competition are now open. Link for the same: <https://vit.ac.in/zemch2024/GRIHA-design-competition.html#ZEMCH2024>

GRIHA Council, School of Architecture (V-SPARC), Vellore Institute of Technology, Vellore and ZEMCH Network are organizing SHAPE (Sustainable Habitats Associating People with Environment) - a design competition for practicing architects inviting entries to showcase their projects under various categories as mentioned below. The contest aims to bring together sustainably designed and executed projects to exhibit and exchange design ideas promoting the association of humans with the environment. Winners will be awarded with a prize money and trophy.

SHASHWAT...**Let Nature be**

GRIHA Council invites you to contribute articles, blogs, poems and other creatives to the 11th edition of the annual magazine 'Shashwat'. We encourage you to explore and write about the sustainability strategies involved in creating and implementing effective action plans. This can include the importance of action plans in achieving specific goals, sharing examples of successful stories, providing insights on best practices and much more.

The entries must be submitted through email to shashwat.griha@gmail.com with the subject line: Article/Blog/Poem/Creatives for Shashwat 2024, latest by 31st July 2024.

The editorial committee formed by GRIHA Council will choose the entries from those submitted for publication. The criteria for the selection are relevance to the originality of scope, theoretical sophistication, and pictorial representation, amongst others.

For more information, refer to the link: <https://www.grihaindia.org/shashwat-2024>

NOTE: The selection process ensures fairness and transparency by treating all applications on a chronological basis, i.e., applications will be processed in the order they are received, ensuring that those who sent earliest have the best chance of being selected.



The graphic features the GRIHA logo at the top left, a purple megaphone with orange lightning bolts, and a light blue background with grey dots. Text includes 'SHASHWAT LET NATURE BE ...', 'Inviting Articles, Blogs & Poems !!', 'DEADLINE EXTENDED', '31st July 2024', and 'Send your entries to shashwat.griha@gmail.com'.

Upcoming Training Programmes **in This Quarter**

Dates	Training Name	Mode	Cost	Details
27 July 2024	Online Training Programme on GRIHA AH		Professionals: Rs. 1,416 Students: Rs. 1,180	Click Here
09 August 2024	Online Training Programme on GRIHA EB		Professionals: Rs. 1,416 Students: Rs. 1,180	Click Here
26-28 September 2024	3-day Training Programme on GRIHA V.2019		Package 1: Training + CP attempt: Rs. 10620 Package 2: Training + Evaluator attempt: Rs. 12980 Package 3: Training + CP + Evaluator attempt: Rs. 15340 Students: Rs. 7080	Click Here

Training Programmes **Concluded in the Previous Quarter**

1. Webinar on GRIHA “Climate-resilient Water Management for Sustainable Future”

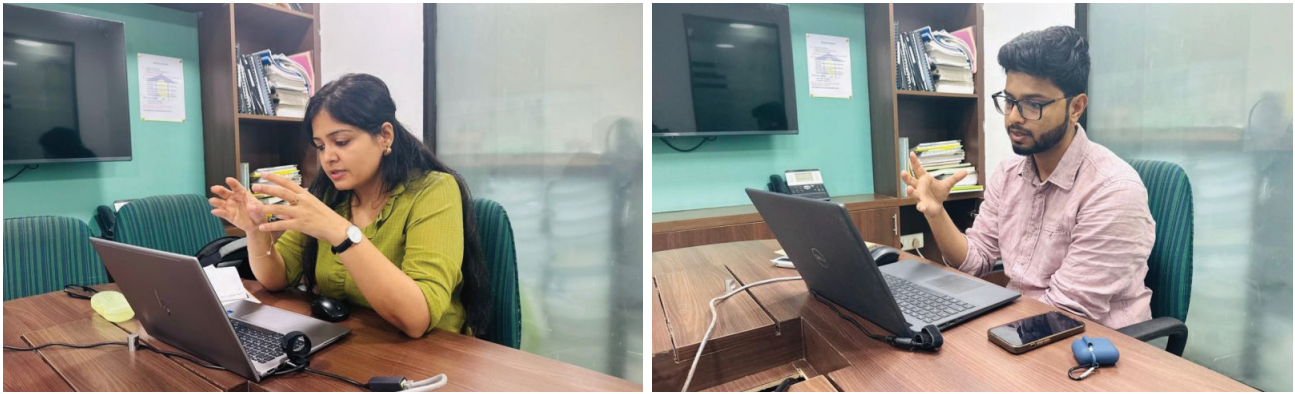
On World Water Day 2024, Mr. Akash Deep, Senior Programme Manager, GRIHA Council was invited to deliver a session during the webinar “Climate-resilient Water Management for Sustainable Future”, organized by Bangalore Chamber of Industry and Commerce (BCIC).

The Session was addressed by Mr. Akash Deep, Senior Programme Manager and Area Convenor, GRIHA Council, TERI - The Energy and Resources Institute and Mr. Ravitej Hegde, Chief Executive Officer Paryavarneer Engineers & Consultants Private Limited.



2. Training Programme on SVAGRIHA V3

A one-day online training programme on SVAGRIHA V3 (the new version of Simple, Versatile, Affordable GRIHA) rating variant was conducted on 19 April 2024. The SVAGRIHA V3 is an extension of the SVAGRIHA rating variant developed for small stand-alone buildings like residences, commercial offices, motels, dispensaries, schools etc. and/or a group of buildings with a cumulative built-up area of 2500 sq.m. or less. The training programme intended to disseminate information on the diverse guiding parameters of the SVAGRIHA V3 guidance cum rating variant for minimizing the environmental impact of small developments. Following the interactive presentation of SVAGRIHA V3, a demonstration of the SVAGRIHA online panel was showcased. Participants were given an elaborate walkthrough of the entire panel from registration to submission of the project for evaluation. Around 25 professionals from the building industry including architects, engineers and planners attended the training programme.



3. Seminar on “India’s Decarbonization Strategy: Progress and Challenges”

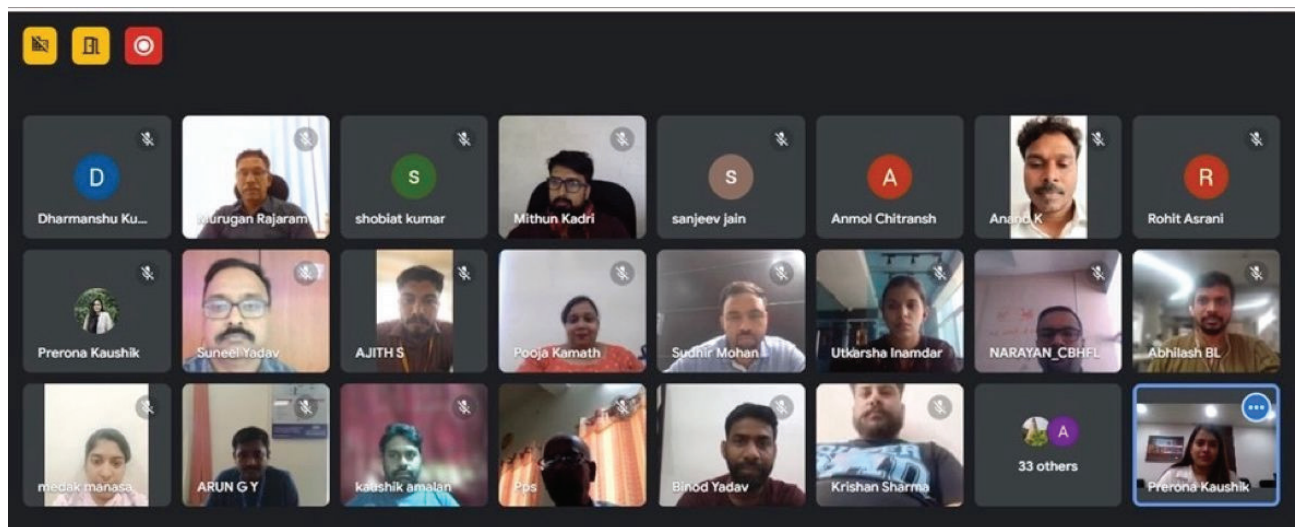
A seminar on “India’s Decarbonization Strategy: Progress and Challenges” was conducted by the Center for Environmental Sustainability and Human Development Jindal School of Liberal Arts and Humanities (JSLH) for Earth Day 2024 on 20 April at OP Jindal University.

Mr. Akash Deep, Senior Programme Manager, GRIHA Council was a speaker during the session on the topic of “Building Energy Efficiency in India”, which focused on energy optimisation by incorporating energy efficiency measures and demand reduction in buildings; and the role of buildings in contributing to the pathway to decarbonize habitats.



4. Webinar on JAN (Jan Awas Nirman) GRIHA Certification

An awareness webinar on JAN (Jan Awas Nirman) GRIHA Certification was organized for the Housing Finance Companies (HFCs) on 20 April 2024. The webinar intended to disseminate information and raise awareness on JAN GRIHA Certification as a solution to integrate stand-alone residential homes into the spectrum of impact assessments of the built sector. Taking sustainability to the grassroots level and promoting conscious alternatives among the masses while constructing their buildings, the JAN GRIHA Certification is a simple easy-to-integrate checklist format certification for all stand-alone self-contained homes with a built-up area of less than 200 sqm. The certification presents a potential opportunity for the HFCs to promote the idea of 'Sustainable Housing' across diverse sections of society. More than 50 participants from various HFCs and the building industry attended the training programme.



5. GRIHA Council at Lotus Valley International School Noida Extension

An awareness workshop on GRIHA for Existing School Rating Variant was conducted for the teachers at the Lotus Valley International School, Greater Noida on 20 April 2024. GRIHA for Existing School Rating Variant is a rating cum educational tool that facilitates schools to stride on the path of sustainability. It intends to instill the concepts of sustainability in the minds of children and engage teachers and students in the implementation of sustainable practices in their schools. The awareness workshop intended to disseminate information on the fundamentals of sustainability in the built environment, criteria for evaluating the environmental performance of schools based on the GRIHA for Existing Schools rating variant and strategies to transform into a green school by reducing its carbon and ecological footprint. Hands-on activities on energy efficiency and sustainability were also conducted for a better understanding of the concepts. More than 50 educators attended the awareness workshop and actively participated in the activities.




6. Webinar on GRIHA for Interior Spaces

A webinar on GRIHA for Interior Spaces was conducted on 26 April 2024 for building professionals, and green building products/ technologies manufacturers. On receiving demand from the industry and recognizing the importance of interior spaces in energy efficiency and occupant well-being, GRIHA Council launched a specialized rating variant- GRIHA for Interior Spaces during the 15th GRIHA Summit 2023. It has been developed to assist in the design and rating of building interiors by evaluating the environmental performance of building interiors for low-impact materials, increased energy and water efficiencies, improved occupant comfort and enhanced social well-being. GRIHA for Interior Spaces Rating endorses eco-friendly materials, energy-efficient designs, and innovative sustainability measures, significantly contributing to India's efforts in promoting sustainable habitats.



GRIHA Rated Projects




RURAL HOSPITAL, Shetphal Pune Division

GRIHA EB

★★★★★

4 STAR



The following strategies were adopted by the project team to reduce the impact of the existing building on the environment:

Site Parameters:

- Preferred parking was provided for electric vehicles.
- Strategies were implemented over 3,190 sq.m. of site area to reduce the Urban Heat Island Effect.

Energy:

- Replacement of old lighting fixtures with LEDs, installation of efficient fans have reduced the annual energy consumption from 8,666 kWh/year to 535 kWh/year demonstrating a reduction of 93.82% from the total energy consumption.
- Solar photovoltaic system of 2 kWp was proposed to generate 3,124 kWh of renewable energy.

Water Efficiency:

- Building water consumption was reduced from 776.35 kiloliters/year to 501.51 kiloliters/year demonstrating a reduction of 35.4% from the total water consumption.

Human Health and Comfort:

- Daylight levels are within the range of 313 – 914 lux and are in compliant with benchmarks of SP41.

Total energy offset
by renewables
= 583.9%


Total reduction in
building water demand
= 35.4%

TOTAL CARBON OFFSET BY THE PROJECT:

By planting native saplings & preserving existing trees: **0.33 ton/year**

By conservation of conventional energy: **12.26 ton/year**

Location : Shetphal, Solapur District, Maharashtra
Site Area : 6,130 sq.m.
Built up Area : 1,040 sq.m.
Typology : Healthcare
Rating Category : GRIHA for Existing Buildings (EB)
Version : 1
Date of Award : 30th April, 2019
Client : Government of Maharashtra
Integrated Design Team : Public Works Department (PWD), Maharashtra
Green Building Consultant : Gadin Consultancy & Co.




NABARD Regional Office, Kolkata

GRIHA

★★★★★

3 STAR



The following strategies were adopted by the project team to reduce the building impact on the environment:

Site Planning & Construction Management:

- Provision of 3-metre-high barricading, wheel washing facility, covering of fine aggregates and impervious platform for hazardous materials at site.
- Provision of safety equipment, clean drinking water facility, clean toilets, daylit and ventilated labour hutments.
- Planning of services along the pathways into one corridor.

Energy:

- Project has achieved an EPI reduction of 40.2% through integration of high-performance systems. The base case value considered for EPI was 140 kWh/sqm/year and design case value was 83.7 kWh/sqm/year. Astronomical timer control has been provided for 100% of the outdoor lighting system.
- Solar photovoltaic system of capacity 40 kWp has been installed.

Occupant Comfort

- 76% of the regularly occupied spaces are day-lit and meet the daylight factor as prescribed by SP 41.
- Noise levels of all the interior spaces are in range of 35.94 dB-39.74 dB and outdoor spaces in range of 62.10 dB, which meet the acceptable limits as defined by NBC.

Water:

- Reduction of 44.98% from the GRIHA base case of 6,787.26 KL and design case of 3,734.19 KL has been demonstrated in the building water demand by installing efficient low-flow fixtures.

Sustainable Building Materials:

- Replacement of 25% of OPC with fly ash in structural concrete and use of AAC blocks with 60% fly ash content.
- Vitrified tiles, granite, laminated wooden flooring and ceramic tiles have been used as flooring materials in the project.

Solid Waste Management:

- Dedicated space for storage of segregated waste has been provided in the project both at building and site level.

Location : Kolkata, West Bengal
Site Area : 4,048.75 m²
Built up Area : 8,355 m²
Typology : Office Building
Rating Category : GRIHA Provisional Rating
Version : Version 3.1
Year of Award : 2023
Client : National Bank for Agriculture & Rural Development (NABARD)
Integrated Design Team : Space Design Group
Green Building Consultant : Agnikridda- Sustainable Building Design Solution



NLC India Limited Registered Office, Chennai, Tamil Nadu



Location : Chennai, Tamil Nadu
Site Area : 1,463.88 m²
Built up Area : 3,038.17 m²
Typology : Commercial
Rating Category : GRIHA Provisional Rating
Version : Version 2015
Year of Award : 2023
Client : NLC (India) Ltd.
Integrated Design Team : GA Architects Pvt Ltd
Green Building Consultant : TransGreen Sustainability Solutions



The following strategies were adopted by the project team to reduce the building impact on the environment:

Site Planning & Construction Management:

- 34.70% of the site surfaces that are visible to sky have been treated through soft paving, shading through trees and high SRI tiles have been applied at the rooftop.
- Provision of 3-metre-high barricading, gravel bed, covering of fine aggregates and imperviousness platform for hazardous materials at site.
- Plantation of native species has been increased by more than 25% than the preconstruction phase.

Energy:

- Project has achieved an EPI reduction of 36%. The base case value considered for EPI is 90 kWh/sqm/year and design case is 57.46 kWh/sqm/year through integration of high-performance systems. Astronomical timer control has been provided for 100% of the outdoor lighting system.
- 8.77% of energy offset through installation of Solar photovoltaic system of capacity 10.4 kWp.

Occupant Comfort:

- 72.42% of the regularly occupied spaces are day-lit and meet the daylight factor as prescribed by SP 41.

Water:

- Reduction of 70.65% from the GRIHA base case of 2,105.6 KL and design case of 617.98 KL has been demonstrated in the building water demand by installing efficient low-flow fixtures.
- Reduction of 90% from the GRIHA base case of 317.13 KL and design case of 31.31 KL has been demonstrated in the landscape water demand by planting native vegetation.

Sustainable Building Materials:

- 31.04% reduction in the embodied energy of the project by using AAC blocks in masonry.
- Vitrified tiles, kota stone, granite, FSC certified wooden flooring and ceramic tiles have been used as flooring materials in the project.

Solid Waste Management:

- Dedicated space for storage of segregated waste has been provided in the project both at building and site level.



ASHAKIRAN MAHILA HOSTEL, Karad Pune Division



Location : Karad, Satara District, Maharashtra
Site Area : 6,321 sq.m.
Built up Area : 993.04 sq.m.
Typology : Hospitality
Rating Category : GRIHA for Existing Buildings (EB)
Version : 1
Date of Award : 30th April, 2019
Client : Government of Maharashtra
Integrated Design Team : Public Works Department (PWD), Maharashtra
Green Building Consultant : Beratung Consultants Pvt. Ltd.



The following strategies were adopted by the project team to reduce the impact of the existing building on the environment:

Site Parameters:

- Preferred parking was provided for electric vehicles .
- Strategies were implemented over 5,193 sq.m. of site area to reduce the Urban Heat Island Area.

Energy:

- Replacement of old lighting fixtures with LEDs, installation of efficient fans have reduced the annual energy consumption from 8,856 kWh/year to 7,872 kWh/year demonstrating a reduction of 11% from the total energy consumption.
- Solar photovoltaic system of 5 kWp was proposed to generate 7,865 kWh of renewable energy.

Water Efficiency:

- Building water consumption was reduced from 780.73 kL/year to 239.44 kL/year demonstrating a reduction of 69.33% from the total water consumption.
- Provision of rainwater harvesting system to cater to 100% of the roof water run-off on site.

Human Health and Comfort:

- Indoor comfort conditions measured in summer months;
 Dry bulb temperature= 29 - 30°C, Relative humidity= 34% - 41%,
 Daylight levels= 282 - 767 lux, Artificial lighting levels= 220 - 593 lux and indoor noise levels: 36 - 40 dB; were compliant with benchmarks of the Indian Model for Adaptive comfort, SP 41 and NBC 2005.

Total energy offset
by renewables
= 99.91%

Total reduction in
building water demand
= 69.33%

TOTAL CARBON OFFSET BY THE PROJECT:

By planting native saplings & preserving existing trees: 0.04 ton/year
By conservation of conventional energy: 9.64 ton/year



New Products Added in the **GRIHA Product Catalogue**



Company Name

Crown Decor Private Limited

Typology

Panelling & Internal Partitions



Company Name

Astral Limited

Typology

Innovation Products



Company Name

Kohler India Corporation Private Limited

Typology

Low-flow fixtures



Company Name

M/S. Lloyd Insulations (India) Ltd.

Typology

Thermal Insulation



Company Name

Supreme Petrochem Ltd

Typology

Thermal Insulation



Company Name

Geeken Seating Collection Pvt. Ltd.

Typology

Innovation Products

For detailed list of enlisted products, refer: <https://www.grihaindia.org/products-catalogue>



Company Name
Ecorain System India Pvt

Typology
Grass Pavers



Company Name
Superlite AAC Blocks
Industry

Typology
Fly-ash bricks/AAC Blocks



Company Name
Magicrete Building Solutions

Typology
Fly-ash bricks/AAC Blocks



Company Name
RAK Ceramics India Pvt.
Ltd.

Typology
Flooring



Company Name
Huliot Pipes and Fittings
Pvt. Ltd.

Typology
Innovation - Environment
Product Declaration

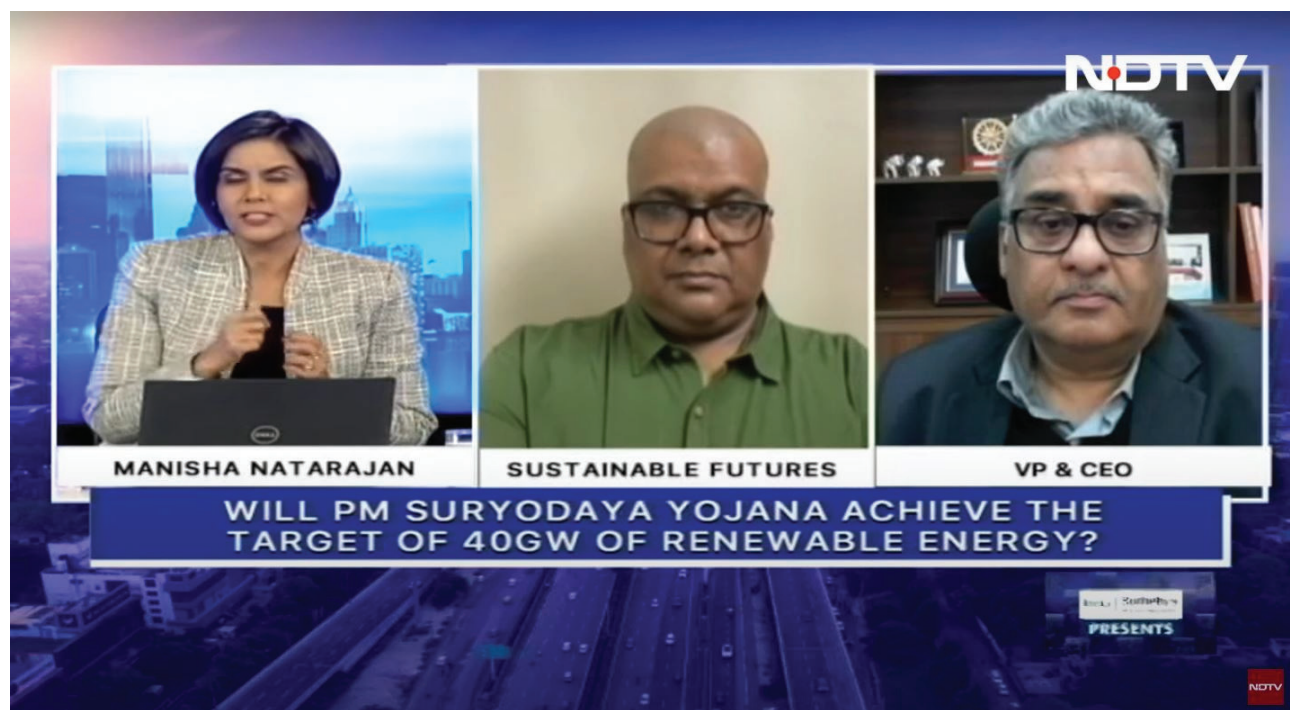


Company Name
Prayag Clay Products Ltd.

Typology
Life Cycle Assessment (LCA)

For detailed list of enlisted products, refer: <https://www.grihaindia.org/products-catalogue>

GRIHA Council at NDTV's The Urban Agenda Series by
India's Sotheby's International Realty



Mr. Sanjay Seth, Vice President and CEO, GRIHA Council and Senior Director, TERI - The Energy and Resources Institute in conversation with Ms. Manisha Natarajan for NDTV's The Urban Agenda Series by India's Sotheby's International Realty on the topic of Rooftop Solar installation in the Indian built environment. The primary focus of the session was around the Pradhan Mantri Suryoday Yojana. The session saw deliberations on the target user groups, issues & possibilities, incentives & policies and on-ground implementation were discussed.

Watch here: <https://youtu.be/znqfndRM8FO>

Ambuja Cements and ACC's blended cement products are now enlisted in 'GRIHA Product Catalogue'

Ambuja Cements and ACC, the cement building and material companies of the diversified Adani Group, have achieved certification for their sustainable blended cement products and are now enlisted in GRIHA's Product Catalogue.

This underscores their leading role in green cement production and commitment to achieving Net Zero emissions by 2050.

Read More:

<https://www.worldcement.com/indian-subcontinent/12042024/ambuja-cements-and-accs-blended-cement-products-are-now-enlisted-in-griha-product-catalogue/>

ABB India achieves 'water positivity' in Bengaluru

ABB India announced Tuesday that its Peenya campus in Bengaluru has been certified 'water positive' by the Green Rating for Integrated Habitat Assessment (GRIHA) Council, having an index of 1.05.

With this, three out of its six manufacturing locations are now 'water positive'.

Previously, the Nelamangala campus and Nashik Plant 1 had received a 'water positive' certification from the GRIHA Council, in association with The Energy and Resources Institute (TERI).

Read More:

<https://timesofindia.indiatimes.com/business/india-business/abb-india-achieves-water-positivity-in-bengaluru/articleshow/108779349.cms>

Varanasi's Rudraksh convention centre gets GRIHA award

The Rudraksh International Cooperation and Conference Centre was inaugurated by Prime Minister Narendra Modi on July 15, 2021

Read More:

<https://www.hindustantimes.com/cities/others/varanasi-rudraksh-convention-centre-gets-griha-award-101718911357809.html>



निर्मित पर्यावरण में जलवायु क्रियाशीलता को तेज करना

श्रीम पर सेमिनार हुआ संपन्न!

लखनऊ: ग्रीहा परिषद का उत्तर प्रदेश में पहला श्रीम क्षेत्रीय सम्मेलन-2024 लखनऊ के एक होटल में आयोजित किया गया। जिसका मुख्य थीम निर्मित पर्यावरण में जलवायु क्रियाशीलता को तेज करना रहा। श्रीम कॉन्फ्रेंस 2024 ने निर्माण और वास्तुकला में स्थायी प्रथाओं और जलवायु संवेदनशीलता पर समीक्षा और चर्चाओं के साथ समाप्त हुआ। इस आयोजन के लिए, ग्रीहा कोलंबो ने ज्ञान साझेदार के रूप में और एएसएआई ने आयोजन साझेदार के रूप में भाग लिया, जिसने विभिन्न क्षेत्रों के पेशेवरों और विशेषज्ञों को एकजुट किया गया। इस आयोजन की सफलता बहुत उत्साहजनक और स्वागत योग्य थी।

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03 शुक्रवार, 21 जून 2024

थीम: निर्मित पर्यावरण में जलवायु क्रियाशीलता को तेज करना



श्रीम पर्यावरण में 20 जून 2024 को लखनऊ, उत्तर प्रदेश में आयोजित पहला क्षेत्रीय सम्मेलन-2024 आयोजित किया गया। जिसका मुख्य थीम निर्मित पर्यावरण में जलवायु क्रियाशीलता को तेज करना रहा। श्रीम कॉन्फ्रेंस 2024 ने निर्माण और वास्तुकला में स्थायी प्रथाओं और जलवायु संवेदनशीलता पर समीक्षा और चर्चाओं के साथ समाप्त हुआ। इस आयोजन के लिए, ग्रीहा कोलंबो ने ज्ञान साझेदार के रूप में और एएसएआई ने आयोजन साझेदार के रूप में भाग लिया, जिसने विभिन्न क्षेत्रों के पेशेवरों और विशेषज्ञों को एकजुट किया गया। इस आयोजन की सफलता बहुत उत्साहजनक और स्वागत योग्य थी।

GRiHA परिषद का पहला GRiHA क्षेत्रीय सम्मेलन लखनऊ में 20 जून को हयात रीजेंसी में होगा आयोजित!

ACCELERATING CLIMATE ACTION IN THE BUILT ENVIRONMENT

20 JUNE 2024 | 10 AM onwards | LUCKNOW | HYATT REGENCY



Speakers:

- Shri Durga Shankar Mishra, Director, Government of Uttar Pradesh
- Shri Anvik Ashfaq, Principal Secretary, Urban Development Department, Government of Uttar Pradesh
- Shri Ashish Tiwari, Secretary, Department of Environment, Forest & Climate Change, Government of Uttar Pradesh
- Smt. Disha Bagal, Director, NTPC India Private Limited
- Dr. Anurag Rajgori, GreenTree Global
- Shri Sanjay Seth, President & Chief Executive Officer (CEO), GRiHA Council & Senior Director
- Shri Hanish Singh, AS, Additional Chief Secretary, Environment, Forest and Climate Change, Government of Uttar Pradesh
- Shri Ajay Chakrabarti, Principal Secretary, Public Works Department, Government of Uttar Pradesh
- Shri Vinayak Garg, Commissioner, Noida Urban Vikas, Ministry of Education, Govt. of India, Department of School Education and Literacy
- Smt. Sandeep Kumar Saranawat, Chairman, BA UP Chapter 8 & Chairman IIS UP Chapter
- Dr. Hitesh Goyal, Professor and Head of Department, Faculty of Architecture, D.A.P.J. Education Society's Institute of Architecture, AKTU, Lucknow
- Shri Shashwan Bhatti, Deputy Chief Executive Officer and Secretary, GRiHA Council & Senior Director, Sustainable Buildings, IESO

Sponsors: GreenTree, CREDIA, NTPC, ISHRAE, AS, IAS, IITM, ARMACELL, ACE, GRiHA, UNFCCC, IESO, etc.

ख़ास ख़बर

विज्ञान-समाचार हेतु : 9469602026

निर्मित पर्यावरण में जलवायु क्रियाशीलता को तेज करना

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विधि विचार

हिन्दी समाचार पत्र

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निर्मित पर्यावरण में जलवायु क्रियाशीलता को तेज करना

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संवाददाता | दैनिक शाक्य समाचार

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