



GRIHA

Regional Conclave 2024

ACCELERATING CLIMATE ACTION IN THE BUILT ENVIRONMENT

📍 LUCKNOW

📅 20 JUNE 2024



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Introduction

'GRIHA Council', recognized as the '**National Rating System for Green Buildings in India**', was developed by **The Energy and Resources Institute (TERI)** in support with the Ministry of New and Renewable Energy (MNRE), Government of India. 'GRIHA Council' evaluates the environmental performance of a building holistically over its entire life cycle, thereby providing a definitive standard for green buildings and sustainable habitats. The Government of India has also recognized 'GRIHA' as a tool to evaluate greenhouse gas (GHG) reduction from habitats under its obligations to mitigate climate change as contained in the Nationally Determined Contributions (NDC's) documentation submitted to the **United Nations Framework Convention on Climate Change (UNFCCC)**.

Over the years, GRIHA Council has been hosting its annual summits to deliberate on issues which are of national discourse in association with distinguished entities from national and international spheres, encompassing government bodies, industry partners, multilateral and bilateral organizations, academia, and building practitioners. The Council's prominent affiliations are with esteemed entities including the Ministries of Housing & Urban Affairs, Power, New and Renewable Energy; Bureau of Energy Efficiency; Life Insurance Corporation of India; Indian Oil Corporation Limited; Bhopal Smart City Development Corporation Limited; Government of Maharashtra; Uttar Pradesh; Andhra Pradesh; European Union; Royal Danish Embassy; 2000- Watt Smart Cities Association; DLF; AIS; JSW Cement; Mahindra Lifespaces Developers Limited; JK Cement Limited; Saint Gobain; Larsen & Toubro; Sheffield Hallam University; UNSW Sydney; Council of Architecture; National Institute of Urban Affairs. The past summits had been designed on the themes such as "Approach to Integrated Sustainability", "Fostering Partnerships for Sustainable Habitats", "Transforming Habitats", "Sustainable is Affordable", "Rejuvenating Resilient Habitats", "Restoring Green Economy", "Towards Net Positive Habitats", and "Empowering Sustainable and Resilient Communities".

The **GRIHA Regional Conclave** was scheduled on **20th June 2024** at **Hyatt Regency, Vibhuti Khand, Gomti Nagar, Lucknow - 226010, Uttar Pradesh, India** on the theme '**Accelerating Climate Action in the Built Environment**'.

The climate change mitigation action is a race against time when compared to the escalated pace of damage that is being repeatedly done to the environment, thus there is an urgent need to accelerate climate action. The building and construction industry alone accounts for nearly 34% of global energy consumption and about 37% of greenhouse gas emissions (UNEP, 2022). The time is now to embark on transformative efforts to revolutionize our design processes, construction practices, and management of urban spaces. Towards this, GRIHA Council aims to address the urgent need to adopt sustainable practices in the built environment whilst advancing innovative solutions to mitigate the adverse effects of climate change.

This year GRIHA Council is pleased to introduce the GRIHA Regional Conclaves. The conclaves come with the idea to augment the development of sustainable habitats and resilient communities at the regional level. Three GRIHA Regional Conclaves are planned in Lucknow, Hyderabad, and Jaipur this fiscal year around the central theme, 'Accelerating Climate Action in the Built Environment'.

The 16th GRIHA Summit and GRIHA Regional Conclaves shall 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. 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 Regional Conclaves and Summit shall serve as platforms to deliberate on the mitigation and adaptation strategies in creating inclusive and climate resilient infrastructure.

We invite all stakeholders, including policymakers, industry leaders, architects, urban planners, researchers, and civil society to come together and share insights, knowledge, and experiences in our drive towards advancing sustainability in the built environment.

We at GRIHA Council invite you to participate in the GRIHA Regional Conclaves and the 16th GRIHA Summit.

Background

Lucknow, the capital of Uttar Pradesh revered as the 'City of Nawabs' symbolizes the historical grandeur, cultural richness and flourishing economic landscapes. With exquisite aesthetics and ingenious construction, the city's rich architectural magnificence serves as an exemplar for integrating sustainable building practices into contemporary construction paradigm. A bustling metropolitan hub, Lucknow's opulent heritage seamlessly blends with modern advancements making it an ideal location to organize the first GRIHA Regional Conclave in Lucknow. Taking inspiration from the blend of cultural and artistic excellence embedded in the city's architectural landscape, the sessions for the conclave were designed around the concepts of decarbonization of the construction industry, revisiting the significance of vernacular architecture in building climate resilience and innovating for water security.

Lucknow is amongst the top 5 largest cities in India by area, the eleventh most populous city and the twelfth most populous urban agglomeration of India. It has evolved into a major urban centre with rapid infrastructure development. More than 50 % of the population is expected to migrate to urban centers for which corresponding infrastructure is yet to be built. More than 8% of GRIHA-registered projects in India are registered in Uttar Pradesh, making it imperative that the remaining construction in the state is sustainable.

The city of Lucknow also stands as a core for governance and administration, housing the state's most pivotal government offices, bureaucratic hubs and departmental headquarters which include – the Urban Development Department (UDD), Public Works Department (PWD) Reserve Bank of India (RBI), Uttar Pradesh Rajkiya Nirman Nigam Ltd (UPRNN), Uttar Pradesh Metro Rail corporation (UPMRC) etc. The strong presence of governmental institutions underscores the city's strategic importance and provides a conducive environment for policy discussions and collaborations to foster sustainable development. Moreover, the presence of bureaucracy, financial institutions, prestigious educational, technology and research institutions, developers and builder community and allied industry partners further highlights the suitability of Lucknow as a location for hosting the first GRIHA Regional Conclave in Uttar Pradesh. Along with this, it continues to be an important centre of art, design, culture and tourism. The entwined cultural prominence with modern development binds the past with the future, making Lucknow an ideal locale for hosting the first GRIHA Regional Conclave in Uttar Pradesh.

GRIHA Regional Conclaves intends to highlight the imperative of regional inclusivity in the discourse on sustainability in the built environment. GRIHA Council proposes to host regional conclaves in partnership with state governments and industry experts across many cities pan India. These regional conclaves seek to provide a forum to address region-specific challenges and identify tailor-made strategies that align with the local climatic conditions, cultural contexts and resource availability, thereby making them locally relevant and effective.



Acknowledgements

At the outset, GRIHA Council would like to extend our deepest gratitude to the Government of Uttar Pradesh for their unwavering support and invaluable contribution to the success of the GRIHA Regional Conclave, Lucknow.

We extend our sincere gratitude to **Shri Durga Shanker Mishra**, Hon'ble Chief Secretary, Government of Uttar Pradesh for his appreciation for GRIHA Council's efforts in scaling up the green building footprint in the country and accelerating climate action in the built environment.

We are extremely thankful to the eminent dignitaries who graced the event with their esteemed presence: **Shri Manoj Singh**, IAS, Additional Chief Secretary, Environment, Forest and Climate Change Department, Government of Uttar Pradesh; **Shri Amrit Abhijat**, Principal Secretary, Urban Development Department, Government of Uttar Pradesh; **Smt. Dipa Singh Bagai**, Director, NRDC India Private Limited; **Shri Ashish Tiwari**, Secretary, Environment, Forest and Climate Change Department, Government of Uttar Pradesh; **Shri Sanjay Kumar Srivastava**, Principal Chief Conservator of Forests (PCCF), Wildlife and Mission Director, Plantation, Social Forestry, Government of Uttar Pradesh; **Shri Binay Kumar Sinha**, Deputy Commissioner, Navodaya Vidyalaya Samiti, Regional Office Lucknow, Ministry of Education, Government of India and **Smt. Sabeena Narula Singh**, Chief Architect, Uttar Pradesh Public Works Department, Lucknow, Uttar Pradesh.

We express our sincere gratitude to **Shri Sandeep Kumar Saraswat**, Chairman, Indian Institute of Architects (IIA), Uttar Pradesh Chapter & Ex-Chairman, Institute of Indian Interior Designers (IIID) Lucknow Regional Chapter and **Shri Rohit Gupta**, Hon. Secretary, Institute of Indian Interior Designers (IIID) Lucknow Regional Chapter for collaborating with GRIHA Council in the drive towards sustainability.

Special gratitude to all our **moderators** and **speakers** for their insightful contributions across various facets of sustainability. The realization of the GRIHA Regional Conclave, Lucknow was made possible through the unwavering support of our partners, including **government partners, institutional partners, industry partners, multilateral partner, associate partners** and **media partners**.

Special thanks to **GreenTree Global** for their invaluable support, insights and contributions as our **Knowledge Partner**.

Our sincere appreciation is also extended to our **Event Partner**- ASAI for their pivotal role in the seamless organization of the GRIHA Regional Conclave in Lucknow.

The success of the event was further enriched by the active participation and engagement of our esteemed delegates, who contributed to a plethora of enriching discussions. We express our heartfelt thanks to all participants and guests for their invaluable role in making the event a success.

Lastly, we convey our profound gratitude and admiration for the visionary leadership provided by **Dr Vibha Dhawan**, President, GRIHA Council, and Director General, TERI, whose commitment has guided us on a journey towards a greener India.

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Agenda

'Accelerating Climate Action in the Built Environment'	
20th June 2024 (Thursday)	
Venue: Hyatt Regency Lucknow Regency Rd, Vibhuti Khand, Gomti Nagar, Lucknow, Uttar Pradesh- 226010, India Tel: 0522 426 1234	
0900 – 1000 hrs.	Registration
1000 – 1100 hrs.	Inaugural Session <ul style="list-style-type: none"> • Lighting the lamp • Welcome Address • Special Address • Release of GRIHA Publication • Keynote Address • GRIHA Updates • Inaugural Address • GRIHA Award Ceremony • Vote of Thanks
1100 – 1130 hrs.	Networking Tea/Coffee
1130 – 1300 hrs.	Plenary Session: Challenges in Decarbonizing the Construction Industry
1300 – 1400 hrs.	Networking Lunch
1400 – 1530 hrs.	Thematic Track 1: Role of Vernacular Architecture in 'Building' Climate Resilience
1530 – 1545 hrs.	Networking
1600 – 1700 hrs.	Thematic Track 2: Make Every Drop Count: Innovating for Water Security
1700 – 1815 hrs.	Valedictory Session <ul style="list-style-type: none"> • Welcome Address • Special Remarks • Special Address • Keynote Address • Signing of Memorandum of Understanding • Valedictory Address • GRIHA Award Ceremony • Vote of Thanks
1815 – 1845 hrs.	Networking Tea/ Coffee
1845 – 1910 hrs.	Cultural Evening
1910 Onwards	Dinner Reception

Detailed Agenda

‘Accelerating Climate Action in the Built Environment’	
20 th June 2024 (Thursday)	
Venue: Hyatt Regency Lucknow Regency Rd, Vibhuti Khand, Gomti Nagar, Lucknow, Uttar Pradesh 226010 India Tel: 0522 426 1234	
0900 – 1000 hrs.	Registration
1000 – 1100 hrs.	Inaugural Session
	<p>Lighting the Lamp</p> <p>Welcome Address: Shri Sanjay Seth, Vice President & Chief Executive Officer, GRIHA Council & Senior Director, Sustainable Infrastructure Programme, TERI</p> <p>Release of GRIHA Publication</p> <p>Special Remarks: Smt. Dipa Singh Bagai, Director, NRDC India Private Limited</p> <p>Keynote Address: Shri Amrit Abhijat, Principal Secretary, Urban Development Department, Government of Uttar Pradesh</p> <p>Inaugural Address: *Shri Durga Shanker Mishra, Hon’ble Chief Secretary, Government of Uttar Pradesh</p> <p>GRIHA Felicitation Ceremony</p> <p>GRIHA Updates: Smt. Shabnam Bassi, Deputy Chief Executive Officer & Secretary, GRIHA Council & Director, Sustainable Buildings Division, TERI</p> <p>Vote of Thanks: Shri Anurag Bajpai, Director, GreenTree Global</p>
1100 – 1130 hrs.	Coffee/Tea Break

*invited

<p>1130 – 1300 hrs.</p>	<p>Plenary Session: Challenges in Decarbonizing of Construction Industry</p> <p>Decarbonizing construction means cutting down or eliminating carbon emissions from construction processes and materials to promote sustainability and care for the environment. It's urgent because construction is crucial for development and contributes significantly to emissions, making up about 37% of global emissions.</p> <p>In response to the pressing challenge of climate change, the construction sector must mitigate its environmental footprint by minimizing emissions across the entire lifecycle of buildings. The construction sector faces several obstacles in this effort, including the elevated costs associated with procuring sustainable materials, lack of awareness, the absence of clear emissions standards, and significant financing challenges, etc.</p> <p>Despite these challenges, the momentum of decarbonization in construction is growing. Embracing innovative solutions, sector collaboration and a sustainable culture can significantly enable India's construction industry to contribute to a greener future.</p> <p>This session brings together esteemed government and private industry stakeholders to address the challenge by convening industry leaders to bridge the gap and develop a unified approach to decarbonizing construction.</p>
	<p>Setting the Theme:</p> <p>Shri Ashish Tiwari, Secretary, Department of Environment, Forest & Climate Change, Government of Uttar Pradesh</p> <p>Moderator:</p> <p>Shri Sanjay Seth, Vice President & Chief Executive Officer, GRIHA Council & Senior Director, Sustainable Infrastructure Programme, TERI</p> <p>Speakers:</p> <p>Shri Ankit Kumar Srivastava, Assistant General Manager, Reserve Bank of India (RBI), Lucknow</p> <p>Smt. Dipti Jayant, Chief Architect, Uttar Pradesh Rajkiya Nirman Nigam Ltd. (UPRNN)</p> <p>Shri Chetan Tyagi, Deputy General Manager, Uttar Pradesh Metro Rail Corporation (UPMRC)</p>
<p>1300 – 1400 hrs.</p>	<p>Lunch Break</p>

<p>1400 – 1530 hrs.</p>	<p>Thematic Session 1: Role of Vernacular Architecture in 'Building' Climate Resilience</p>
	<p>Vernacular architecture, rooted in the local environment, culture, and community, presents a holistic approach to sustainable development. It uses local traditions and materials vital for sustainable development—integrating its principles into modern design aids in meeting climate goals while strengthening our bond with our surroundings. It fosters identity and community resilience, offering a sustainable alternative in an era of urbanization and environmental degradation.</p> <p>Embracing vernacular architecture supports sustainable development by honoring indigenous wisdom, promoting cultural heritage, and fostering social equity. Its revival offers creative solutions bridging tradition and modernity for a resilient built environment, symbolizing hope in the face of climate change.</p> <p>This session brings together dignitaries from diverse backgrounds, including academicians, architects, and government officials, to discuss the transformative potential of vernacular architecture in promoting cultural heritage preservation by guarding against climate change.</p>
	<p>Setting the theme: Shri Sandeep Kumar Saraswat, Chairman, IIA UP Chapter & ex-Chairman, IIID UP Chapter</p> <p>Moderator: Smt. Shabnam Bassi, Deputy Chief Executive Officer & Secretary, GRIHA Council & Director, Sustainable Buildings Division, TERI</p> <p>Speakers:</p> <p>Dr. Ritu Gulati, Professor and Head of Department, Faculty of Architecture, Dr A P J Abdul Kalam Technical University (AKTU), Lucknow</p> <p>Shri Anurag Bajpai, Director, GreenTree Global</p> <p>Ar. Ashok Kumar, Principal Architect. Arch-En Design</p>

<p>1600 – 1700 hrs.</p>	<p>Thematic Session 2: Make Every Drop Count: Innovating for Water Security</p>
	<p>As water scarcity becomes a growing concern, ensuring water security becomes paramount. This involves implementing measures to guarantee reliable access to safe and sufficient water resources, mitigating risks posed by scarcity, and promoting sustainable water management practices.</p> <p>Water security in the built environment entails efficient water supply systems, conservation measures, stormwater management, wastewater treatment, quality monitoring, climate resilience, and community engagement. By integrating these strategies, urban areas can ensure reliable access to clean water, mitigate risks, and promote sustainable development.</p> <p>This session brings together government officials, private sector leaders, architects, and developers to address the challenges and importance of securing water resources and fostering collaborative solutions for a sustainable future.</p>
	<p>Setting the theme & Moderator:</p> <p>Shri Sanjay Kumar Srivastava, PCCF Wildlife & Mission Director Plantation, Social Forestry, Government of Uttar Pradesh</p> <p>Speakers:</p> <p>Dr. Vandana Sehgal, Principal and Dean of Faculty of Architecture and Planning, Dr A P J Abdul Kalam Technical University (AKTU), Lucknow</p> <p>Ar. Asheesh Shrivastava, Architect, ANB Consultants</p> <p>Shri Akash Deep, Deputy General Manager & Treasurer, GRIHA Council</p>

Valedictory Session and GRIHA Felicitation Ceremony	
1700 – 1845 hrs.	<p>Welcome Address: Shri Sanjay Seth, Vice President & Chief Executive Officer, GRIHA Council & Senior Director, Sustainable Infrastructure Programme, TERI</p> <p>Special Remarks: Shri Binay Kumar Sinha, Deputy Commissioner Navodaya Vidyalaya Samiti Regional Office Lucknow, Ministry of Education, Government of India</p> <p>Special Address: Smt. Sabeena Narula Singh, Chief Architect, Uttar Pradesh Public Works Department Lucknow, Uttar Pradesh</p> <p>Signing of Memorandum of Understanding</p> <ul style="list-style-type: none"> • Indian Institute of Architects (IIA) Uttar Pradesh Chapter • Institute of Indian Interior Designers (IIID) Lucknow Chapter <p>Valedictory address: Shri Manoj Singh, IAS, Additional Chief Secretary, Environment, Forest and Climate Change Department, Government of Uttar Pradesh</p> <p>GRIHA Felicitation Ceremony</p> <p>Vote of Thanks: Smt. Shabnam Bassi, Deputy Chief Executive Officer & Secretary, GRIHA Council & Director, Sustainable Buildings Division, TERI</p>
1845 – 1910 hrs.	Cultural Evening
1910 hrs. onwards	Dinner Reception
Closing of GRIHA Regional Conclave	

Inaugural Session

Welcome Address

Shri Sanjay Seth, Vice President and Chief Executive Officer, GRIHA Council and Senior Director, The Energy and Resources Institute (TERI) during the Inaugural session of the GRIHA Regional Conclave in Lucknow, highlighted our responsibility to protect the planet Earth for future generations.

He conveyed, *"If we don't alter our lifestyle choices, we are going to make a mess of this lovely world provided by the Almighty. It is time for collective action to align with national and international discourses, basing on Mission L.I.F.E. and focusing on Viksit Bharat 2047"*.



Special Remarks



Speaking on the occasion, **Smt. Dipa Singh Bagai**, Country Head, NRDC India, gave her special remarks about the heat stress. She emphasized, *"To tackle the heat stress that we are all facing, it is imperative that we call for an urban cooling policy, to find ways and means to come out of this situation in the most affordable and environment-friendly way. We have effective climate mitigation tools and instruments, what we lack is implementation. Efforts exist, but it needs to be far accelerated"*.

Keynote Address

Shri Amrit Abhijat, Principal Secretary, Urban Development Department, Government of Uttar Pradesh, highlighted the major problem of climate change that is being experienced.

He emphasized, *"We are living with the problem of climate change, and a large part of the blame is on for the effects of climate change that we face today. The Government of Uttar Pradesh is deeply committed to the purpose of climate action and steadfastly working towards the same"*.



GRIHA Updates

Smt. Shabnam Bassi, Deputy Chief Executive Officer & Secretary, GRIHA Council and Director, Sustainable Buildings Division, TERI talked about sustainability in the built environment.

She briefly outlined the vast expanse of activities carried out by GRIHA Council. *"GRIHA Council is committed to tread on the path of sustainable development to move towards low carbon and resilient future"*, she added.



Vote of Thanks



Shri Anurag Bajpai, Director, GreenTree Global, stated, *"People and Stakeholder participation are crucial elements in the advancement of sustainable infrastructure. People talking about Net Zero in India is an acknowledgement, which is a step towards progress, when compared to ignorance"*.



Shri Anurag Bajpai, Smt. Dipa Singh Bagai, Shri Sanjay Seth, Shri Amrit Abhijat and Smt. Shabnam Bassi (from L to R)

Key Takeaways: Inaugural Session

- The session addressed prevalent heat stress and necessitated the requirement of an urgent urban cooling policy emphasizing affordable and environmentally sustainable solutions. Accelerating urban cooling strategies involves integrating green infrastructure, utilizing sustainable building materials, incorporating efficient water management strategies, and enhancing energy efficiency in urban design.
- The session emphasized that stakeholder participation is crucial in advancing sustainable infrastructure. The growing discourse on achieving Net Zero in India marks a significant shift toward acknowledging climate issues and moving beyond previous levels of ignorance.
- The session pointed out that while effective climate mitigation tools exist, its implementation remains a significant challenge. Effective implementation requires robust policy regulations, dedicated funding, continuous research, and strong stakeholder collaboration.

Plenary Session 1

Challenges in Decarbonizing of Construction Industries

The session, titled “**Challenges in Decarbonizing of Construction Industries**,” convened distinguished experts to deliberate on the Challenges and Potential Strategies to decarbonize construction sector by eliminating carbon emissions from construction processes, add-construction processes and materials to promote sustainability.



CHALLENGES IN DECARBONIZING THE CONSTRUCTION INDUSTRY

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Shri Ashish Tiwari, Secretary, Department of Environment, Forest & Climate Change, Government of Uttar Pradesh delivered introductory remarks wherein he highlighted the state's efforts in developing climate-smart districts across all 75 districts.

He stated, *“We need to convert crisis to opportunity, and this is only possible through partnerships at all levels. Uttar Pradesh (UP) is prone to be one of the biggest sufferers due to the impact of climate change, so we need to be proactive and ensure corrective measures on ground. UP is proud to be a pioneering state to release Green Budget Tagging for all the departments”.*



Shri Sanjay Seth, Vice President & CEO of the GRIHA Council and Senior Director of the Sustainable Infrastructure Programme at TERI, moderated the plenary session. He initiated the session by emphasizing on the urgent need to respond to the pressing challenge of decarbonizing the construction sector across entire lifecycle, based on a holistic approach which considers aspects such as, financing materials, capacity building, and awareness.

Shri Ankit Kumar Srivastava, Assistant General Manager (T-C) Estate Department, Reserve Bank of India (RBI), Lucknow. He emphasized, *“India is the second-largest market in the world for green bonds”*.

He discussed how the RBI has established a green deposit framework for projects, incorporating third-party assessments to ensure transparency. He also highlighted the introduction of green bonds in the Budget 2022-23, showcasing the increasing focus on sustainable financial practices in India.



Shri Chetan Tyagi, Deputy General Manager of Environment, Uttar Pradesh Metro Rail Corporation Limited (UPMRC), opined that, *“Since 2019, approximately 80,000 people in Lucknow use the metro daily, leading to a significant reduction in greenhouse gas emissions”*.

He emphasized UPMRC's commitment to a low- carbon pathway, as demonstrated by their mandate for all metro stations to achieve green ratings. He also stressed the importance of incorporating lessons learned in the upcoming projects, stating that continuous learning and implementation are key to sustainable development.

Smt. Dipti Jayant, Joint Chief Architect Uttar Pradesh Rajkiya Nirman Nigam (UPRNN), emphasized the critical role of capacity building in advancing innovative ideas and initiatives.

She shared, *“Capacity building is a crucial element for upscaling the conception of any idea or thought. GRIHA Council, with its extensive body of work in sustainable development, and PWD, Uttar Pradesh and UPRNN should collaborate for upskilling our pool of existing professionals”*.





Smt. Dipti Jayant, Shri Sanjay Seth, Shri Ashish Tiwari, Shri Chetan Tyagi and Shri Ankit Kumar Srivastava
(from L to R)

Key Takeaways: Plenary Session

- The session highlighted that India is the world's second-largest market for green bonds. The Reserve Bank of India has implemented a green deposit framework with third-party assessments to ensure transparency and accelerate the vision of green nation development.
- The Uttar Pradesh Metro Rail Corporation (UPMRC) reaffirmed its commitment to tread on a low-carbon pathway, mandating green ratings for all metro stations. The session concluded by highlighting that fostering collaboration and leveraging financial mechanisms can contribute to the greater goal of building a greener and sustainable future.
- The session deliberated on the challenges such as high costs of sustainable materials, lack of awareness, unclear emissions standards, and substantial financing hurdles that need to be addressed to accelerate the sustainable transition of the construction industry. However, the momentum for decarbonization is increasing, it is driven by a unified approach which integrates innovative solutions and cross-sectoral collaboration.
- The session emphasized that the role of GRIHA Council is crucial in building capacities of diverse stakeholder groups in collaboration with institutions such as the Public Works Department, Uttar Pradesh Rajkiya Nirman Nigam (UPRNN) to upskill professionals in sustainable building and construction practices.

Thematic Session 1

Role of Vernacular Architecture in 'Building' Climate Resilience

The session, titled “**Role of Vernacular Architecture in 'Building' Climate Resilience,**” convened distinguished experts to deliberate on the significance of vernacular architecture, which is rooted in the local environment, culture, and community, presenting a holistic approach to sustainable development.

Role Of Vernacular Architecture In 'Building' Climate Resilience

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Shri Sandeep Kumar Saraswat, Chairman, The Indian Institute of Architects, UP Chapter, and ex-Chairman of the Institute of Indian Interior Designers (IIID), Lucknow Regional Chapter, set the context for the session.

He affirmed, the organization's commitment to sustainable architecture and shared, *“Integrating vernacular architecture principles in the modern designs aids in meeting climate goals while strengthening our bond with the surrounding environment”*.



Smt. Shabnam Bassi, Deputy Chief Executive Officer and Secretary, GRIHA Council and Director, Sustainable Buildings Division, TERI as a moderator of the session facilitated discussions with dignitaries on the role of vernacular architecture in building climate resilience.

She commenced the discussion by understanding the need to revive the principles of vernacular architecture in bridging the gap between conventional and modern building practices for strengthening climate resilience in the built environment.



Dr. Ritu Gulati, Professor and Head of the Department of Faculty of Architecture & Planning, Dr. A P J Abdul Kalam Technical University (AKTU), Lucknow, emphasized the importance of revisiting the vernacular architecture principles.

She advocated for learning from ancient designs to create buildings that harmonize with nature. Dr. Gulati suggested, *“Looking at Eastern cultures for inspiration and highlighted the need for collaboration among engineers, architects, government, and academia”*. She noted that academic institutions like AKTU plays a pivotal role in bridging the gap between theory and implementation of vernacular architecture principles.



Ar. Ashok Kumar, President, ARCH-EN DESIGN, underscored the importance of knowledge dissemination on green building concepts.

He emphasized the need to inspire general masses to achieve higher green building ratings for better positive impact. *“Today, with the challenges of climate change, temperature variations, I aspire to see my buildings go green”*, he added.



Shri Anurag Bajpai, Director, GreenTree Global, highlighted the disconnect between ideas and implementation due to lack of awareness. He advocated for educating the general public about green building benefits through simplified digital media.

Additionally, he discussed insights gained from their work on a telecom tower project in South Korea, emphasizing the importance of understanding architecture in project development. Shri Bajpai also noted challenges in financing green projects, suggesting the inclusion of green architecture in academic curricula. He emphasized, *“The role of entertainment media in promoting awareness of green building practices”*.





Dr. Ritu Gulati, Smt. Shabnam Bassi, Shri Sandeep Kumar Saraswat, Ar. Ashok Kumar and Shri Anurag Bajpai (From L to R)

Key Takeaways: Thematic Session 1

- The session emphasized that returning to the principles of vernacular architecture is the need of the hour. There is much to learn from ancient architectural practices, which have long embraced adaptive and enduring traditions.
- The session highlighted that building professionals, developers, builders and most importantly end users should be informed and made aware of green building concepts and encouraged to opt for green building ratings, thereby enhancing positive environmental impacts and overall human well-being.
- The session pointed out that the most accessible- digital media should be used as an active form of communication to bridge the gap between theoretical knowledge and its implementation. Simplified and engaging content must be created to effectively communicate the advantages of sustainable architecture, leading to a more informed and proactive society.

Thematic Session 2

Make Every Drop Count: Innovating for Water Security

The session, titled “**Make Every Drop Count: Innovating for Water Security**,” convened distinguished experts to deliberate on the need to ensure water security based on a holistic approach to sustainable development.



MAKE EVERY DROP COUNT:
INNOVATING FOR WATER SECURITY

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Shri Sanjay Kumar Srivastava, IFS, Principal Chief Conservator of Forests (PCCF), Wildlife & Mission Director, Plantation and Social Forestry, Government of Uttar Pradesh, delivered introductory remarks and moderated the session. Setting the tone of the session, he highlighted, *“The urgent need to engage government officials, private sector leaders, architects, and academicians to collectively work towards securing water resources”*.



Dr. Vandana Sehgal, Dean & Principal, Faculty of Architecture and Planning, AKTU Lucknow, emphasized, *“Restoring natural balance for future generations”*.

She highlighted, *“Water has societal and cultural importance and advocated for its judicious usage. Conserving water systems are ingrained in the ethos of Indian culture”*.



Dr. D. Vasudevan, Chief General Manager, Varanasi Smart City, Uttar Pradesh, underscored the pivotal role of IoT in strengthening and restoring water systems. He emphasized, *“Leveraging IoT sensors for real-time data collection and machine learning will aid in developing predictive models. These advanced technologies provide essential insights into water efficiency and quality, facilitating sustainable management practices”*.



Ar. Asheesh Srivastava, Architect, ANB Consultants, Lucknow, emphasized the need for technological interventions to ensure water security. He advocated for decentralized water treatment systems to conserve energy and water resources, citing climate change as a major driver of groundwater depletion.

Ar. Srivastava underscored the importance of educating future generations on effective water management practices. *“In our pollution reduction project near the Taj Mahal, we found that effective traffic management significantly reduces pollution”*, he added.



Shri Akash Deep, Deputy General Manager and Treasurer, GRIHA Council, highlighted the consequences of neglecting regional aspects in design strategies.

He pointed out, *“Our current urban planning has led to catastrophic floods in cities like Shimla, Rishikesh, Jodhpur, Gurugram, Bhopal, Mumbai, Chennai, Bengaluru, often washing out settlements. There is an urgent need to pause, intervene, and revise our urban planning strategies to mitigate these challenges”*.

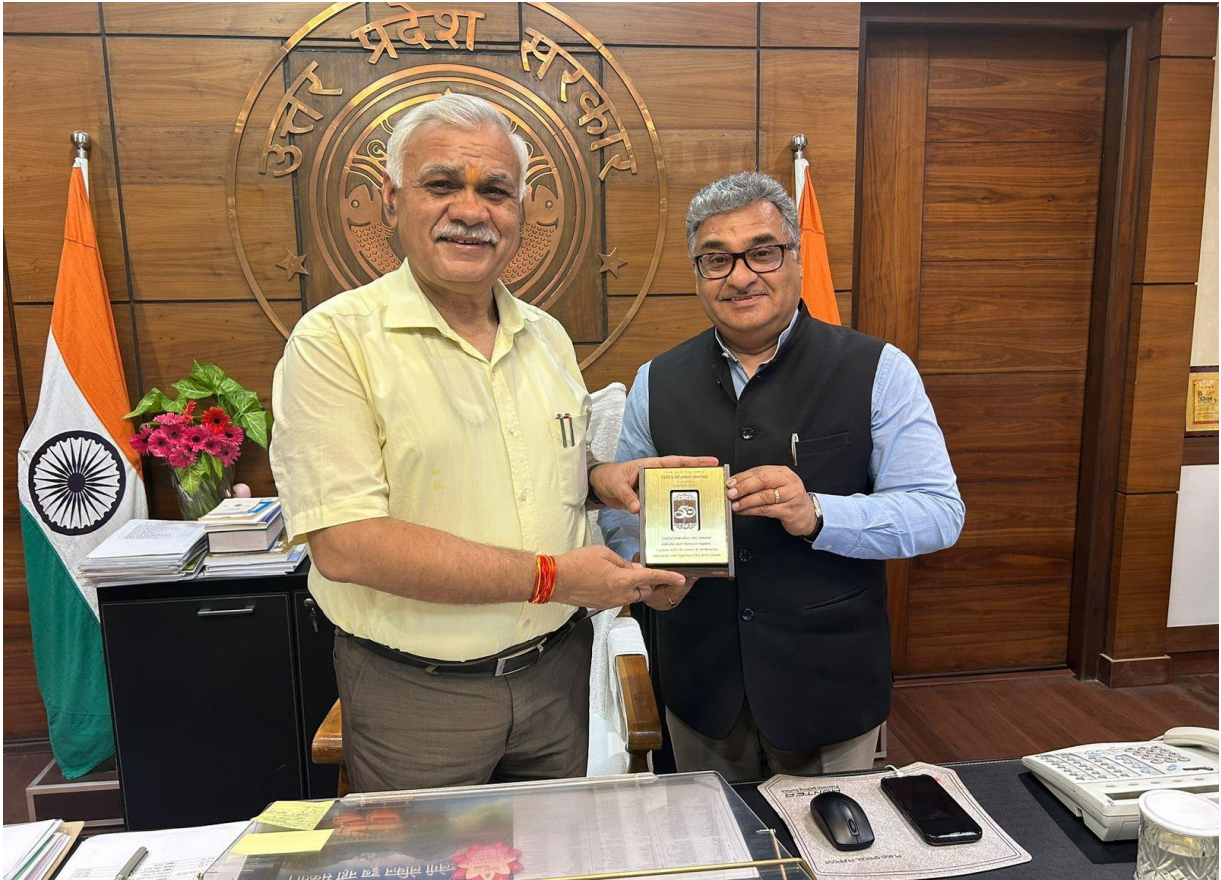


Ar. Asheesh Srivastava, Dr. D. Vasudevan, Dr. Vandana Sehgal, Shri Sanjay Kumar Srivastava and Shri Akash Deep (From L to R)

Key Takeaways: Thematic Session 2

- The session emphasized that natural resources are finite and demand a balanced approach to building a liveable world for future generations.
- The session pointed out that strengthening water security in the built environment requires integrated and interdisciplinary strategies which include- robust water supply systems, conservation measures, effective stormwater management, advanced wastewater treatment, rigorous quality monitoring, climate resilience, and active community engagement.
- The session reiterated that water holds profound significance in civilization, vital for survival and societal advancement. By nurturing a culture of conservation, encouraging prudent water management practices and harnessing advanced technologies, urban areas can achieve sustainable water management practices.
- The session shared that technological advancements play a pivotal role in enhancing water security. Decentralized water treatment systems offer energy and water savings, while IoT applications facilitate predictive modelling for optimizing water efficiency and quality.

Words of Encouragement



Shri Sanjay Seth, Vice President & Chief Executive Officer (CEO), GRIHA Council & Senior Director, Sustainable Infrastructure Programme, The Energy and Resources Institute (TERI) met with Shri Durga Shanker Mishra, Hon'ble Chief Secretary, Government of Uttar Pradesh, at the Secretariat

Shri Durga Shanker Mishra, Hon'ble Chief Secretary, Government of Uttar Pradesh conveyed his appreciation for the role of GRIHA Council in scaling up green building footprint in the country through policy initiatives. He was pleased to hear about the collaborative actions undertaken by the Government of Uttar Pradesh and GRIHA Council in accelerating climate action in the state.

The Hon'ble Chief Secretary, Government of Uttar Pradesh had confirmed his intent to attend the inaugural session of the conclave, however, due to an urgent meeting convened by the Hon'ble Chief Minister of Uttar Pradesh, he could not participate in the event. However, Shri Sanjay Seth, Vice President & Chief Executive Officer (CEO), GRIHA Council & Senior Director, Sustainable Infrastructure Programme, The Energy and Resources Institute (TERI) met with him in his good office and briefed him on the substantial outcomes of the conclave.

Valedictory Session

Welcome Remarks



Shri Sanjay Seth, Vice President & CEO, GRIHA Council and Senior Director, Sustainable Infrastructure Programme, TERI, delivered welcome remarks and highlighted the key takeaways from the event. He underscored the importance of collaborative efforts in advancing sustainable development and climate resilience in the built environment.

Special Remarks



Shri B.K. Sinha, Deputy Commissioner, Navodaya Vidyalaya Samiti RO, Ministry of Education, Government of India, Department of School Education and Literacy.

He shared, *“The initiatives undertaken by Navodaya Vidyalaya Samiti is a testament that JNVs are moving towards contributing to enhancing the green building footprint, whilst sensitizing children of the perils of climate change and instilling sense of consciousness of sustainable lifestyle choices in them”*.

Special Address



Smt. Sabeena Narula Singh, Chief Architect, Uttar Pradesh Public Works Department shared the initiatives undertaken by UP PWD such as creating urban forests for carbon reduction, increasing biodiversity and construction of green buildings through implementation of GRIHA ratings as policy interventions.

She shared, *“Capacity building is crucial for implementing and upscaling any idea or concept”*. She also invited GRIHA Council to collaborate for building internal capacities in the organization on green building practices and construction.

Valedictory Address



Shri Manoj Singh, Additional Chief Secretary, Environment Forest and Climate Change Department, Government of Uttar Pradesh, delivered the valedictory address.

He highlighted the importance of behavioral change in accelerating the drive towards sustainability. He shared that GRIHA Council holds the potential to drive and bring a paradigm shift in significantly reducing the building's ecological footprint in the country.

He stated, *“Environmental ethics are of paramount importance and Mother Earth cannot be taken for granted. If we want to start; we start today, start from green buildings, start with GRIHA Council”*.

Vote of Thanks

Smt. Shabnam Bassi, Deputy Chief Executive Officer and Secretary, GRIHA Council and Director, Sustainable Buildings Division, TERI.

She extended her heartfelt gratitude to all the distinguished speakers, participants and partners for their contribution to the success of the GRIHA Regional Conclave, Lucknow. She invited the gathering for the upcoming GRIHA Regional Conclaves in Hyderabad and Jaipur followed by the annual national 16th GRIHA Summit in New Delhi.



Key Takeaways: Valedictory Session

- The session highlighted that the UP Public Works Department (PWD) has undertaken significant steps, such as establishing urban forests to mitigate carbon emissions, enhance biodiversity and promote green building construction through mandatory GRIHA ratings.
- GRIHA Council's efforts in sensitizing students and teachers of Jawahar Navodaya Vidyalaya (JNVs) about sustainable lifestyles and green building practices were appreciated. It was shared that by nurturing environmental consciousness from an early age, JNVs are equipping future leaders to make informed decisions for a sustainable future.
- Capacity building emerged as a unanimous recommendation, essential for scaling up innovative environmental practices. There was a strong emphasis on enhancing internal capabilities and upskilling industry professionals with the support of GRIHA Council.
- The session underscored that a comprehensive approach based on cross-sectoral collaborative efforts, strategic policy interventions, capacity-building efforts, and educational initiatives are required to build environmental stewardship and address global environmental challenges.

Release of GRIHA Publication

Manual on Good Construction Management Practices

Manual on “**Good Construction Management Practices**” has been meticulously crafted to provide extensive guidance on good practices for construction activities on-site that not only ensure resource efficiency and the safety and well-being of the workforce but also safeguard our environment. It encapsulates the fundamental aspects such as labour safety, air and soil protection, water conservation, material and waste management and tree preservation. Through practical cases on a wide range of construction processes and procedures, this manual provides a reference guide to the construction industry and strives for continuous improvement.



Manual on

GOOD CONSTRUCTION MANAGEMENT PRACTICES

A GRIHA Council Publication



A GRIHA Council Publication- Manual on Good Construction Management Practices was released during the inaugural session of GRIHA Regional Conclave, Lucknow

Signing of Memorandum of Understanding (MoU)



A Memorandum of Understanding was signed between GRIHA Council and The Indian Institute of Architects (IIA) by Shri Sanjay Seth, VP & CEO, GRIHA Council & Shri Sandeep Kumar Saraswat, Chairman, IIA, UP Chapter & ex-Chairman, IIID, UP Chapter



A Memorandum of Understanding was signed between GRIHA Council and Institute of Indian Interior Designers (IIID) by Shri Sanjay Seth, VP & CEO, GRIHA Council & Shri Rohit Gupta, Hon. Secretary, Institute of Indian Interior Designers (IIID), Lucknow Regional Chapter

GRIHA Felicitation Ceremony

S.No.	State	Name of the Project	Rating Variant	Rating Achieved
1	Uttar Pradesh	Reserve Bank of India, Lucknow, Uttar Pradesh	GRIHA Existing Building (GRIHA EB)	5 Star
2	Uttar Pradesh	Construction Of 1040 EWS Units at Light House Project (LHP) site at Lucknow, Uttar Pradesh Under Global Housing Technology Challenge-India (GHTC-India)	GRIHA for Affordable Housing (GRIHA AH)	4 Star
3	Uttar Pradesh	Rudraksha International Cooperation and Convention Center, Varanasi, Uttar Pradesh	GRIHA	3 Star
4	Uttar Pradesh	Jawahar Navodaya Vidyalaya, Bahraich	GRIHA for Existing School (GRIHA ES)	5 Star
5	Uttar Pradesh	PM SHRI School Jawahar Navodaya Vidyalaya, Kanpur Dehat, Uttar Pradesh	GRIHA for Existing School (GRIHA ES)	5 Star
6	Uttar Pradesh	Jawahar Navodaya Vidyalaya, Maharajganj, Uttar Pradesh	GRIHA for Existing School (GRIHA ES)	5 Star
7	Uttar Pradesh	PM SHRI School Jawahar Navodaya Vidyalaya Mainpuri, Uttar Pradesh	GRIHA for Existing School (GRIHA ES)	5 Star
8	Uttar Pradesh	Jawahar Navodaya Vidyalaya, Ambedkar Nagar, Uttar Pradesh	GRIHA for Existing School (GRIHA ES)	4 Star
9	Uttar Pradesh	Jawahar Navodaya Vidyalaya Azamgarh, Uttar Pradesh	GRIHA for Existing School (GRIHA ES)	4 Star
10	Uttar Pradesh	PM SHRI School Jawahar Navodaya Vidyalaya, Hathras, Uttar Pradesh	GRIHA for Existing School (GRIHA ES)	4 Star
11	Uttar Pradesh	Jawahar Navodaya Vidyalaya, Jaunpur, Uttar Pradesh	GRIHA for Existing School (GRIHA ES)	4 Star
12	Uttar Pradesh	Jawahar Navodaya Vidyalaya, Kannauj, Uttar Pradesh	GRIHA for Existing School (GRIHA ES)	4 Star
13	Uttar Pradesh	PM SHRI School Jawahar Navodaya Vidyalaya, Kaushambi, Uttar Pradesh	GRIHA for Existing School (GRIHA ES)	4 Star
14	Uttar Pradesh	Jawahar Navodaya Vidyalaya Mathura, Uttar Pradesh	GRIHA for Existing School (GRIHA ES)	4 Star
15	Uttar Pradesh	Jawahar Navodaya Vidyalaya Meerut, Uttar Pradesh	GRIHA for Existing School (GRIHA ES)	4 Star
16	Uttar Pradesh	Jawahar Navodaya Vidyalaya, Varanasi, Uttar Pradesh	GRIHA for Existing School (GRIHA ES)	4 Star

GRIHA Rated Projects





Cultural Evening



GRIHA Green Building Tour

Green Building Tour to Light House Project (LHP), Lucknow

GRIHA Council conducted a **Green Building Tour to Light House Project** in Lucknow on June 21, 2024. This is a 4-star rated project under GRIHA for Affordable Housing (GRIHA AH) rating variant.

Light House Project is an initiative by **Building Materials and Technology Promotion Council (BMTPC)** to promote structural stay-in-place formwork system to build load bearing monolithic concrete wall structures based on shear wall concept. The tour was attended by a mix of working professionals and students who engaged in insightful discussions with the Project team and the GRIHA officials.



Green Building Tour to Light House Project, Lucknow, Uttar Pradesh

Way Forward - Action Points

In line with the deliberations held during the GRIHA Regional Conclave, Lucknow and key takeaways drawn from the sessions, GRIHA Council intends to work on the following action points to support the Government of Uttar Pradesh in its journey of sustainable transition in the state.

- **Advocacy:**

During the GRIHA Regional Conclave in Lucknow, it was proposed that GRIHA Council should establish a dedicated regional centre to work closely with the state government with an intent to extend the presence of GRIHA in the state of Uttar Pradesh. The regional centre would:

- Facilitate the **adoption of green building practices** through GRIHA ratings and certifications.
- Provide **handholding to diverse stakeholder groups** including government officials, building professionals, developers, policymakers and academicians etc. to implement sustainable building practices effectively and efficiently.
- Encourage the **uptake of green building products** through GRIHA Product Catalogue.

Along with this, GRIHA Council in association with the Government of Uttar Pradesh and industry partners proposes to organize GRIHA Regional Conclaves annually at various locations and regions of the state of Uttar Pradesh. Reaching every corner of the state, these events will provide a platform to discuss and deliberate with bureaucrats, industry experts, building professionals and civil society on the furtherance of sustainable habitat development in the state and India. Permeating the idea of sustainability to a broader audience and stakeholders, the GRIHA Regional Conclaves aim to drive new initiatives, provide insights on best practices, and showcase sustainable products and green business opportunities to elicit practical applications that are most relevant in the context of the State.

- **Training and Capacity Building:**

Through awareness programmes and capacity-building training workshops, GRIHA Council proposes to disseminate knowledge to diverse stakeholder groups on various facets of green buildings and sustainable construction practices. These programmes will acquaint professionals such as government officials, architects, engineers, urban planners, developers, builders, students, and end-users etc.

- **Fostering Collaboration and Partnerships:**

Cultivating partnerships is a prerequisite to taking any initiative forward. GRIHA Council proposes to collaborate with diverse stakeholders including government officials, architects, engineers, planners and industry experts. These collaborations intend to jointly work on diverse aspects of strengthening sustainability in the built environment such as promoting environmental stewardship, cool roof adoption, and implementation etc.

GRIHA Council in News



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SOCIAL MEDIA

निर्मित पर्यावरण में जलवायु क्रियाशीलता को तेज करना थीम पर सेमिनार हुआ संपन्न!

लखनऊ। ग्रीहा परिषद का उत्तर प्रदेश में पहला ग्रीहा क्षेत्रीय सम्मेलन-2024 लखनऊ के एक होटल में आयोजित किया गया। जिसका मुख्य थीम निर्मित पर्यावरण में जलवायु क्रियाशीलता को तेज करना रहा। ग्रीहा कॉन्क्लेव 2024 ने निर्माण और वास्तुकला में स्थायी प्रथाओं और जलवायु संवेदनशीलता पर समीक्षा और चर्चाओं के साथ समाप्त हुआ। इस आयोजन के लिए, ग्रीनट्री ग्लोबल ने ज्ञान साझेदार के रूप में और एएसएआई ने आयोजन साझेदार के रूप में भाग लिया, जिससे विभिन्न क्षेत्रों के पेशेवरों और विशेषज्ञों को एकत्र किया गया। इस आयोजन की शुरुआत भव्य उद्घाटन समारोह और स्वागत संबोधनों से हुई। उद्घाटन सत्र में दीप प्रज्वलन, ग्रीहा प्रकाशन का प्रकाशन, एमओयू के साइनिंग के साथ ग्रीहा पुरस्कार समारोह शामिल था। प्लेनरी सत्र में निर्माण उद्योग के कार्बन निकालने के चुनौतीपूर्ण मुद्दों पर चर्चा हुई। प्रतिष्ठित अध्यक्षों ने अपने विशेषज्ञता और दृष्टिकोण साझा किया। इसके बाद, पहले विषय सत्र ने स्थानीय वास्तुकला के रूप में जलवायु संवेदनशीलता में सुधार की संभावनाओं को जांचा। प्रमुख अध्यागमन करने वाले वक्ताओं ने इस महत्वपूर्ण विषय पर अपने दृष्टिकोण साझा किए। आयोजन ने जल संरक्षण और प्रबंधन की महत्वपूर्ण भूमिका पर ध्यान दिया और इसके दूसरे विषय सत्र में नई उपायों पर चर्चा की। ग्रीहा पुरस्कार समारोह ने स्थायी निर्माण और वास्तुकला में अद्वितीय योगदानों को सम्मानित किया। इस आयोजन का उपसमाप्ति वाले संबोधन और धन्यवाद वोट से हुआ। ग्रीहा कॉन्क्लेव 2024 ने वास्तुकला, निर्माण उद्योग के नेताओं और नीति निर्माताओं के लिए एक साधन बनाया ताकि वे निर्धारित कार्यायोजनाओं की चर्चा कर सकें जो निर्मित पर्यावरण में एक स्थायी और जलवायु-संरक्षणशील भविष्य को प्राप्त करने में सहायक साबित हो।

एकसीलरेटिंग क्लाइमेट एक्शन इन-द-बिल्ट एनवायरमेंट पर रीजनल कान्क्लेव 2024 का हुआ आयोजन



प्रदेश सरकार बहुत ज्यादा गंभीर है, तथा इसको कैसे फेंस किया जाए यह भी एक चिंता का विषय है। हमने शहरों में साफ सफाई के लिए मशीन तथा मैनपावर दोनों लगा रखी हैं ताकि कूड़ा जल्द से जल्द उठा लिया जाए तथा उसको डिस्पोज कर दिया जाए। डिस्पोज करने के लिए हमें बहुत सारे संसाधन जुटाना पड़ते हैं। हमको जनता से जो अपेक्षित सहयोग है वह नहीं मिल पाता है इस समय यूपी में डेढ़ लाख किलोमीटर सड़कें हैं। सरकार ने उपवन स्कीम के अंतर्गत सड़कों के किनारे तथा खाली जमीनों पर बहुत बड़े पैमाने पर पौधे लगवाए हैं। इन पौधों से आगे चलकर बहुत बड़ा फायदा पूरे समाज को होगा। कार्यक्रम को श्रीमती दीपा बागची रिटायर्ड आईएएस एवं अन्य वक्ताओं ने भी संबोधित किया।

फहीम बेगम
लखनऊ। गोमती नगर स्थित एक होटल में शब्दपार एवं उत्तर प्रदेश सरकार द्वारा एकसीलरेटिंग क्लाइमेट एक्शन इन द बिल्ट एनवायरमेंट पर रीजनल कान्क्लेव 2024 का आयोजन किया गया, जिसका उद्घाटन अमृत अभिजात

आईएएस प्रमुख सचिव अर्बन डेवलपमेंट डिपार्टमेंट उ.प्र. गवर्नमेंट द्वारा दीप जलाकर किया गया। इस कार्यक्रम में अनुराग बाजपेई शबनम बस्ती एवं दीपा बागची भी उपस्थित रहीं। श्री अमृत अभिजात ने अपने संबोधन में बताया कि क्लाइमेट चेंज बहुत ही गंभीर विषय है। इस विषय पर उत्तर

जलवायु परिवर्तन ग्रीहा कॉन्क्लेव में विशेषज्ञों ने जलवायु परिवर्तन के मुद्दे पर की चर्चा, साल 2050 तक देश को डीकार्बोनाइज बनाना लक्ष्य

'बढ़ती गर्मी के लिए बेतरतीब शहरीकरण भी जिम्मेदार'



कॉन्क्लेव में प्रमुख सचिव स्तर के कई आईएएस अफसरों ने भी हिस्सा लिया।

एनबीटी, लखनऊ: बेतरतीब शहरीकरण भी बढ़ती गर्मी और मौसम में लगातार हो रहे परिवर्तन के लिए जिम्मेदार है। केंद्री के जलवायु तैयार करने की होड़ से लोगों का जीवन आने वाले समय में काफी मुश्किल होगा। जलवायु परिवर्तन का ही असर है कि बड़े शहरों के रात ब दिन के तापमान में अब बड़ा अंतर नहीं रह गया है। ये बातें गुरुनन्द को गोमती नगर के एक होटल में ग्रीहा (इंटरनेट डिबेटेड असिस्टेंट के लिए ग्रीन रेटिंग) द्वारा आयोजित क्षेत्रीय कॉन्क्लेव 2024 के दौरान विशेषज्ञों ने कही। साल 2050 तक देश को डीकार्बोनाइज बनाने के लिए गुरुनन्द को आयोजित किए गए कॉन्क्लेव में प्रमुख सचिव स्तर के कई आईएएस अफसरों ने भी हिस्सा लिया। कॉन्क्लेव में कई विशेषज्ञों ने जलवायु परिवर्तन को लेकर योजनाबद्ध शहरीकरण के साथ बुनियादी ढांचे को मजबूत करने पर जोर दिया। ग्रीहा के वाइस प्रेजिडेंट संजय सेठ ने कहा कि अभी तक जलवायु परिवर्तन के मुद्दे को लेकर देश की राजधानी दिल्ली में कॉन्क्लेव का आयोजन होता था। लेकिन हाली वार किसी राज्य की राजधानी में कॉन्क्लेव का आयोजन किया गया।

एमओयू साइन
कॉन्क्लेव में ग्रीहा ने आईआईए के साथ जलवायु परिवर्तन पर काम करने के लिए एमओयू पर साइन किया। इस अवसर पर अरबीआई के असिस्टेंट मैनेजर अंकित श्रीवास्तव, यूपीआरएनएन की चीफ ऑफिसर रिती जयंत, यूपी मेट्रो रेल कॉर्पोरेशन से डिप्टी जनरल मैनेजर जेतन त्यागी, प्रफेसर कृति मुलाठी, ग्रीन ट्री ग्लोबल के डायरेक्टर अनुराग बाजपेई, एकेटीयू में ऑफिसर विभाग की हेड वंदना सहनल सहित अन्य सेक्टर के जानकारों ने जलवायु परिवर्तन के मुद्दे पर अपना पक्ष रखा।

स्मार्ट सिटी योजना कारगर
शहरी विकास के लिए स्मार्ट सिटी योजना कारगर है। क्योंकि स्मार्ट सिटी प्रोजेक्ट के तहत कोई भी विकास कार्य पर्यवेक्षण को संरक्षित करते हुए ही हो सके है। सरकार के साथ हर आम आदमी को पर्यवेक्षण को संरक्षित करने के लिए आगे आना होगा। सरकार ग्रीन बेल्ट को काफी प्रमत्ता दे रही है।
-अमृत अभिजात, शहरी विकास विभाग के प्रमुख सचिव

बड़ी संख्या में पौधरोपण जरूरी
यूपी खुद में एक देश के बराबर है। यहां जलवायु परिवर्तन पर बड़े स्तर पर काम करने की जरूरत है। जलवायु परिवर्तन का असर पूरी दुनिया में देखने को मिल रहा है, इसलिए जलवायु परिवर्तन को संरक्षित रखने और पौधरोपण को बड़ी संख्या में करने की जरूरत है।
-अरशी तिवारी, पर्यावरण एवं वन विभाग के सचिव

ग्रीन बेल्ट को डिवेलप करना होगा
जलवायु परिवर्तन को रोकने के लिए सबसे जरूरी अपने जलवायु को संरक्षित करना है। बेटे हुए पानी को दोबारा इस्तेमाल के लिए बनाया जाए। इसके साथ ही ग्रीन बेल्ट को डिवेलप करना और ई-व्यक्तिगत सारके कारगर साबित होगा।
-नमोज रिश, अपर मुख्य सचिव

विविध विचार

RNI.NO. UPHIN/2022/83444

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निर्मित पर्यावरण में जलवायु क्रियाशीलता को तेज करना थीम पर सेमिनार हुआ संपन्न!

लखनऊ। ग्रीहा परिषद का उत्तर प्रदेश में पहला ग्रीहा क्षेत्रीय सम्मेलन-2024 लखनऊ के एक होटल में आयोजित किया गया। जिसका मुख्य थीम निर्मित पर्यावरण में जलवायु क्रियाशीलता को तेज करना रहा। ग्रीहा कॉन्क्लेव 2024 ने निर्माण और वास्तुकला में स्थायी प्रथाओं और जलवायु संवेदनशीलता पर समीक्षा और चर्चाओं के साथ समाप्त हुआ। इस आयोजन के लिए, ग्रीनट्री ग्लोबल ने ज्ञान साझेदार के रूप में और एएसएआई ने आयोजन साझेदार के रूप में भाग लिया, जिससे विभिन्न क्षेत्रों के पेशेवरों और विशेषज्ञों को एकत्र किया गया। इस आयोजन की शुरुआत भव्य उद्घाटन समारोह और स्वागत संबोधनों से हुई। उद्घाटन सत्र में दीप प्रज्ज्वलन, ग्रीहा प्रकाशन का प्रकाशन, एमओयू के साइनिंग के साथ ग्रीहा पुरस्कार समारोह शामिल था। प्लेनरी सत्र में निर्माण उद्योग के कार्बन निकालने के चुनौतीपूर्ण मुद्दों पर चर्चा हुई। प्रतिष्ठित अध्यक्षों ने अपने विशेषज्ञता और दृष्टिकोण साझा किया। इसके बाद, पहले विषय सत्र ने स्थानीय वास्तुकला के रूप में जलवायु संवेदनशीलता में सुधार की संभावनाओं को जांचा। प्रमुख अध्यागमन करने वाले वक्ताओं ने इस महत्वपूर्ण विषय पर अपने दृष्टिकोण साझा किए। आयोजन ने जल संरक्षण और प्रबंधन की महत्वपूर्ण भूमिका पर ध्यान दिया और इसके दूसरे विषय सत्र में नई उपायों पर चर्चा की। ग्रीहा पुरस्कार समारोह ने स्थायी निर्माण और वास्तुकला में अद्वितीय योगदानों को सम्मानित किया। इस आयोजन का उपसमाप्ति वाले संबोधन और धन्यवाद वोट से हुआ। ग्रीहा कॉन्क्लेव 2024 ने वास्तुकला, निर्माण उद्योग के नेताओं और नीति निर्माताओं के लिए एक साधन बनाया ताकि वे निर्धारित कार्रवाई योजनाओं की चर्चा कर सकें जो निर्मित पर्यावरण में एक स्थायी और जलवायु-संरक्षणशील भविष्य को प्राप्त करने में सहायक साबित हो।



03 शुक्रवार, 21 जून 2024

थीम: निर्मित पर्यावरण में जलवायु क्रियाशीलता को तेज करना



संवाददाता | दैनिक शाक्य समाचार

ग्रीहा परिषद ने 20 जून 2024 को लखनऊ, उत्तर प्रदेश में अपना पहला ग्रीहा क्षेत्रीय सम्मेलन 2024 आयोजित किया, जिसका मुख्य थीम था 'निर्मित पर्यावरण में जलवायु क्रियाशीलता को तेज करना।' ग्रीहा कॉन्क्लेव 2024 ने निर्माण और वास्तुकला में स्थायी प्रथाओं और जलवायु संवेदनशीलता पर समीक्षा और चर्चाओं के साथ समाप्त हुआ। इस आयोजन के लिए, ग्रीनट्री ग्लोबल ने ज्ञान साझेदार के रूप में और एएसएआई ने आयोजन साझेदार के रूप में भाग लिया, जिससे विभिन्न क्षेत्रों के पेशेवरों और विशेषज्ञों को एकत्र किया गया।

इसके बाद, पहले विषय सत्र ने स्थानीय वास्तुकला के रूप में जलवायु संवेदनशीलता में सुधार की संभावनाओं को जांचा। प्रमुख अध्यागमन करने वाले वक्ताओं ने इस महत्वपूर्ण विषय पर अपने दृष्टिकोण साझा किए।

आयोजन ने जल संरक्षण और प्रबंधन की महत्वपूर्ण भूमिका पर ध्यान दिया और इसके दूसरे विषय सत्र में नई उपायों पर चर्चा की। ग्रीहा पुरस्कार समारोह ने स्थायी निर्माण और वास्तुकला में अद्वितीय योगदानों को सम्मानित किया।

इस आयोजन की शुरुआत भव्य उद्घाटन समारोह और स्वागत संबोधनों से हुई। उद्घाटन सत्र में दीप प्रज्ज्वलन, ग्रीहा प्रकाशन का प्रकाशन, एमओयू के साइनिंग के साथ ग्रीहा पुरस्कार समारोह शामिल था। प्लेनरी सत्र में निर्माण उद्योग के कार्बन निकालने के चुनौतीपूर्ण मुद्दों पर चर्चा हुई। प्रतिष्ठित अध्यक्षों ने अपने विशेषज्ञता और दृष्टिकोण साझा किया।

इस आयोजन का उपसमाप्ति वाले संबोधन और धन्यवाद वोट से हुआ। ग्रीहा कॉन्क्लेव 2024 ने वास्तुकला, निर्माण उद्योग के नेताओं और नीति निर्माताओं के लिए एक साधन बनाया ताकि वे निर्धारित कार्रवाई योजनाओं की चर्चा कर सकें जो निर्मित पर्यावरण में एक स्थायी और जलवायु-संरक्षणशील भविष्य को प्राप्त करने में सहायक साबित हो।



खास खबर

विज्ञापन-समाचार हेतु : 9456960026

निर्मित पर्यावरण में जलवायु क्रियाशीलता को तेज करना थीम पर सेमिनार हुआ संपन्न!

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