



ACCELERATING CLIMATE ACTION IN THE BUILT ENVIRONMENT



17 FEBRUARY 2025



CHANDIGARH



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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) with the support of the Ministry of New and Renewable Energy (MNRE), Government of India. GRIHA Council administers GRIHA rating variants that evaluate 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 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 Chandigarh was scheduled on 17 February 2025, at Hotel Taj, Jan Marg, Sector-17A, Chandigarh-160017, Chandigarh, India on the theme 'Accelerating Climate Action in the Built Environment'.

Climate change mitigation is a race against time, given the accelerating environmental degradation. The building and construction sector alone contributes nearly 34% of global energy consumption and approximately 37% of greenhouse gas emissions (UNEP, 2022). This underscores the urgent need for transformative measures in design, construction, and urban management.

In response, GRIHA Council is committed to promoting sustainable practices in the built environment while driving innovative solutions to mitigate climate change. Through its initiatives, GRIHA fosters the adoption of green building strategies, energy efficiency, and resilient urban planning, ensuring a more sustainable and climate-responsive future.

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.

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

Chandigarh, often hailed as one of India's most well-planned cities, provides an ideal backdrop for discussions on accelerating climate action in the built environment. As the capital of two states—Punjab and Haryana—yet functioning as a Union Territory, Chandigarh holds a unique position in India's urban landscape. Designed by the renowned architect Le Corbusier, the city is a model of modern urban planning and green spaces, making it a significant case study for sustainable urban development.

Despite its structured design and emphasis on green infrastructure, Chandigarh, as the capital of two agriculturally dominant states, stands as a crucial focal point for climate discussions. Both states are experiencing significant environmental stress, including depleting groundwater levels, increasing pollution, and rising temperatures due to urban sprawl. Chandigarh's role as an administrative and knowledge hub provides a strategic opportunity to address these issues through climate-responsive urban planning and sustainable building practices.

In parallel, the city itself faces pressing environmental challenges due to increasing urbanization, rising energy consumption, vehicular emissions, and the heat island effect. These factors highlight the urgent need for sustainable construction, energy-efficient buildings, and climate-responsive urban policies. Additionally, the rapid expansion of commercial and residential sectors in and around Chandigarh presents both challenges and opportunities for integrating sustainability into urban growth.

Chandigarh has been proactive in green building initiatives and sustainable urban planning, aligning with national policies like the Energy Conservation Building Code (ECBC) and the Smart Cities Mission. The city has made significant progress in solar energy adoption, water conservation, and waste management, supported by initiatives such as the Chandigarh Solar City Program and Municipal Solid Waste Management Rules.

As an emerging smart city, Chandigarh is poised to lead in climate-resilient infrastructure. Urban spaces must adapt not only to technological advancements but also to climate challenges. Beyond smart tech, cities must integrate energy efficiency, carbon reduction, and protection of vulnerable populations. From greener public spaces to smart buildings and energy grids, the focus is on creating sustainable, future-proof urban environments.

The GRIHA Regional Conclave, Chandigarh served as a crucial platform to deliberate on innovative solutions for climate action in the built environment. Bringing together policymakers, architects, developers, and sustainability experts, the conclave fostered discussions on best practices and localized strategies tailored to Chandigarh's climatic and environmental conditions.

The GRIHA Regional Conclave in Chandigarh focused on practical, scalable strategies for sustainable urban development. With the theme "Accelerating Climate Action in the Built Environment," it aligned with the city's vision, addressing resource efficiency, carbon reduction, and climate-responsive growth. Partnering with state governments and industry experts, the conclave highlighted regional inclusivity and reinforced Chandigarh's role as a model for sustainability in India.



Acknowledgements

At the outset, GRIHA Council would like to extend our deepest gratitude to the Government of Punjab, Government of Haryana and Chandigarh Administration for their unwavering support and invaluable contribution to the success of the GRIHA Regional Conclave, Chandigarh.

We are extremely thankful to the eminent dignitaries who graced the event with their esteemed presence: **Shri. T.C. Nautiyal**, IFS, Secretary (Science & Technology), Chandigarh Administration; **Shri. S. Narayanan**, IFS, Director General, HAREDA, Government of Haryana; **Smt. Anita Kumari**, Assistant Commissioner (Estt—I), Navodaya Vidyalaya Samiti, Regional Office Chandigarh, Ministry of Education, Government of India; **Shri Sachin Gupta**, IAS, Commissioner, Municipal Corporation, Ambala; **Shri. Gurharminder Singh**, Joint Director, Directorate of Environment & Climate Change, Department of Science, Technology & Environment Government of Punjab-cum-Principal Scientific Officer, Punjab State Biodiversity Board 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. We are grateful to our **partners**, including government partners, institutional partners, industry partners, multilateral partners, associate partners and media partners for their steadfast support throughout the GRIHA Regional Conclave.

Special thanks to **Greenfinch Real Estate Engineers and Consultants** 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 Chandigarh.

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.

Table of Contents

Contents

Agenda	7
Detailed Agenda	8
Inaugural Session	14
Plenary Session 1	17
Thematic Session 1	20
Thematic Session 2	23
Closing Session	26
Release of GRIHA Publication	27
Signing of Memorandum of Understanding (MoU)	28
GRIHA Felicitation Ceremony	29
GRIHA Rated Projects	30
Cultural Evening	32
GRIHA Green Building Tour	33
Key points	34
Way Forward - Action Points	36
GRIHA Regional Conclave in News	37

Agenda

‘Accelerating Climate Action in the Built Environment’	
17th February 2025 (Monday)	
Venue: Hotel Taj	
Hotel Taj Chandigarh, Sector-17 A, Chandigarh, 160017, India Tel: 0172 661 3000	
0900 – 1000 hrs.	Registration
1000 – 1115 hrs.	Inaugural Session <ul style="list-style-type: none"> • Lighting the Lamp • Welcome Address • Special Remarks • keynote Address • Release of GRIHA Publications • Inaugural Address • GRIHA Updates • GRIHA Felicitation Ceremony • Vote of Thanks
1115 – 1130 hrs.	Networking over Tea/Coffee
1130 – 1300 hrs.	Plenary Session I – Integrating Climate Resilience into Smart City Planning
1300 – 1400 hrs.	Networking Lunch
1400 – 1530 hrs.	Thematic Session 1 – Accelerating Green Transitions through Sustainable Infrastructure
1530 – 1645 hrs.	Thematic Session 2-Sustainable Building Material: Decarbonization in the Construction Sector
1645 – 1650 hrs.	Special Remarks – Shri Sanjay Tandon, Chairman, Competent Group
1650 – 1700 hrs.	Networking Tea/ Coffee
1700 – 1845 hrs.	Closing Session <ul style="list-style-type: none"> • Welcome Address • Special Address • Signing of Memorandum of Understanding • GRIHA Award Ceremony • Vote of Thanks
1845 – 1910 hrs.	Cultural Evening
1910hrs. Onwards	Dinner Reception

Detailed Agenda

'Accelerating Climate Action in the Built Environment'	
17th August 2025 (Monday)	
Venue: Hotel Taj	
Hotel Taj Chandigarh, Sector-17 A, Chandigarh, 160017, India Tel: 0172 661 3000	
0900 – 1000 hrs.	Registration
1000 – 1115 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>Special Remarks: Smt. Anita Kumari, Assistant Commissioner (Estt-I), Navodaya Vidyalaya Samiti, Regional Office, Chandigarh, Ministry of Education, Government of India</p> <p>Keynote Address: Shri. S. Narayanan, IFS, Director General, Department of New & Renewable Energy / HAREDA, Government of Haryana</p> <p>Release of GRIHA Publication</p> <p>Inaugural Address: Sh. T.C. Nautiyal, IFS, Secretary (Science & Technology), Chandigarh Administration</p> <p>GRIHA Updates: Smt. Shabnam Bassi, Deputy Chief Executive Officer & Secretary, GRIHA Council & Director, Sustainable Buildings Division, TERI</p> <p>GRIHA Felicitations Ceremony</p> <p>Vote of Thanks: Dr Amit K Dass, Founder and CEO, Greenfinch Real Estate Engineers and Consultants</p>
1115 – 1130 hrs.	Networking over Tea/Coffee

<p>1130 – 1300 hrs</p>	<p>Plenary Session: Integrating Climate Resilience into Smart City Planning</p> <p>Urban spaces can not only thrive in the face of technological advancements but also need to adapt to the challenges posed by climate change. As cities grow and evolve, we need to think beyond just smart tech and infrastructure—it's about building cities that are both connected and sustainable. A holistic approach that makes the cities more energy-efficient, reduces carbon footprint and protects vulnerable populations is required. From greener public spaces to smart buildings and energy grids, the possibilities are endless. Ultimately, it's about creating urban environments that aren't just smart in terms of technology, but also resilient in ensuring a better, more sustainable quality of life for everyone, now and in the future.</p> <p>In this session, we'll explore strategies to integrate climate resilience into the fabric of smart city planning, governance and urban design that responds to environmental changes and predicts and mitigates climate risks based on data-driven solutions. It aims to engage city planners, architects and policymakers to deliberate on the policies, tools and knowledge required to build future-proof cities, ensuring they can withstand extreme weather events, rising temperatures, and other climate challenges whilst enhancing overall human well-being.</p>
	<p>Moderator:</p> <p>Shri Sanjay Seth, Vice President & Chief Executive Officer, GRIHA Council & Senior Director, Sustainable Infrastructure Program, TERI</p> <p>Speakers:</p> <p>Ar. Ashok B Lall, Founder and Principal Architect, Ashok B Lall Architects Shri Mohit Bansal, Founder, GMI Infrastructure and Whispering Homes Shri Surinder Bahga, Principal Architect, Saakaar Foundation, Chandigarh Dr. Mutthulingam Subramanian, Associate Dean -Infrastructure, IIT Ropar Shri Lalit Bhardwaj, Vice President- Design (MEP) DLF Limited Shri Parampal Singh, Senior Town Planner, Municipal Corporation, Amritsar</p>
<p>1300 – 1400 hrs.</p>	<p>Networking Lunch</p>

<p>1400 – 1515 hrs</p>	<p>Thematic Session 1: Accelerating Green Transitions through Sustainable Infrastructure</p>
	<p>As urbanization accelerates, we must rethink how we build and maintain the infrastructure around us. Sustainable infrastructure is about building the foundations of our cities and communities in a way that’s mindful of the environment, future generations, and the people who live in it. It’s more than just using eco-friendly materials or energy-efficient designs – it’s about creating systems that work in harmony with nature. This includes solar-powered buildings, green roofs that reduce heat, or roads that absorb rainwater to prevent flooding. Sustainable infrastructure means considering the long-term impact of every decision, whether it’s choosing renewable energy sources, designing for reduced waste, or ensuring easy access to public transportation. It’s about creating spaces that are not only functional but also support the health and well-being of everyone who interacts with them.</p> <p>The session will discuss the concept of sustainable infrastructure and its vital role in shaping the future of cities and communities. Experts will deliberate on the integration of sustainable strategies into transportation, waste management, water conservation, construction and building etc to reduce carbon footprint and be cost-effective, adaptable, inclusive and resilient.</p>
	<p>Moderator: Smt. Shabnam Bassi, Deputy Chief Executive Officer & Secretary, GRIHA Council & Director, Sustainable Buildings Division, TERI</p> <p>Speakers: Shri Sachin Gupta, IAS, Commissioner Municipal Corporation Ambala Dr. Balkar Singh, President- ASHRAE Chandigarh Chapter & Former Joint Director, Punjab Energy Development Agency (PEDA), Government of Punjab Ar. Pritpal Singh Ahluwalia, Chairman, IIA Punjab Chapter & Director Ludhiana Smart City Ltd Shri Jit Kumar Gupta, Former Advisor, Town Planning, Punjab Urban Planning & Development Authority (PUDA), Government of Punjab Shri P.S Saini, Ex-Superintending Hospital Engineer, PGIMER, Chandigarh Ar. Shelja Gupta, Principal Architect, Designing Earth</p>

<p>1515 – 1645 hrs.</p>	<p>Thematic Session 2: Sustainable Building Material: Decarbonization in the Construction Sector</p>
	<p>With the global building stock expected to rise dramatically by 2050, the increase in building density could worsen environmental degradation, resource depletion, and climate change if we continue to rely on traditional materials and methods. The resulting high carbon emissions and energy consumption will only add to the strain on our planet. To address these challenges, the focus needs to shift towards sustainable materials that are energy-efficient, durable, and have a low environmental impact. These materials can help reduce the carbon footprint of construction, lower greenhouse gas emissions, cut down on waste, and decrease our reliance on non-renewable resources.</p> <p>This session will provide architects, builders, and developers with the knowledge and tools they need to make sustainable choices in their projects. By prioritizing eco-friendly materials and construction practices, the industry can play a pivotal role in mitigating climate change and creating a more sustainable future for all.</p>
	<p>Setting the Theme: Shri Gurharminder Singh, Joint Director, Directorate of Environment & Climate Change, Department of Science, Technology & Environment, Govt. of Punjab - cum- Principal Scientific Officer, Punjab State Biodiversity Board</p> <p>Moderator: Shri Akash Deep, Deputy General Manager & Treasurer, GRIHA Council</p> <p>Speakers: Ar. Anil Kumar Walia, Chairman, IIA Panchkula Sector and Former Chief Architect Haryana Shri Sanjay Goel, Chief Architect, Designex Architects and Former Director, Ludhiana Smart City Ltd Shri Sidharth Bansal, Co-Founder and Director, Magicrete Building Solutions Pvt. Ltd. Ar. Chetna Rathee, Assistant Professor, NICMAR University Smt. Sangeeta Bagga, Principal, Chandigarh College of Architecture (CCA)</p>

Closing Session and GRIHA Felicitation Ceremony	
1645 – 1700 hrs.	Special Remarks – Shri Sanjay Tandon, Chairman, Competent Group
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 Address- Dr. Jonardan Koner, Senior Professor and Dean of Career Services, International Affairs and Alumni Relations, NICMAR Pune</p> <p>Signing of Memorandum of Understanding</p> <p>GRIHA award 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 Chandigarh, he highlighted the ongoing climate catastrophes and their impact. He conveyed, "Development and environmental protection are not opposing forces but two sides of the same coin. True progress lies in balancing growth with nature. Chandigarh exemplifies this philosophy by integrating aspects such as sustainable water management, smart urban planning, etc. in their policy framework. As a pioneer in green development, the city serves as a model for others, proving that development and ecological responsibility can go hand in hand".



Special Remarks



Smt. Anita Kumari, Assistant Commissioner (Estt-I), Navodaya Vidyalaya Samiti, Regional Office, Chandigarh, Ministry of Education, Government of India

She stressed the importance of turning discussions into action, highlighting that in 2023, Navodaya Vidyalaya Samiti (NVS) strengthened its commitment to sustainability by signing an agreement with the GRIHA Council. As part of this initiative, 379 schools across India were evaluated on key sustainability measures, with most earning high 4-Star or 5-Star ratings. She praised their achievements and concluded with a Sanskrit mantra- Om Saha Nāvavatu, Saha Nau Bhunaktu, Saha Vīryam Karavāvahai, Tejasvināvadhītastu Mā Vidviṣāvahai, Om Shāntiḥ, Shāntiḥ, Shāntiḥ-calling for unity, strength, and wisdom in this shared journey.

Keynote Address

Shri. S. Narayanan, IFS, Director General, Department of New & Renewable Energy / HAREDA, Government of Haryana

He highlighted the importance of a well-structured National Action Plan for energy conservation to sustain future growth. He emphasized the need for effective urban planning, citing Chandigarh and Haryana as examples of well-planned regions. Addressing infrastructure development, he noted the significant investment in smart cities and modernization of old buildings. He also stressed the necessity of strategic planning for India's industrial sector. The Punjab-Haryana conclave, he added, provided meaningful insights for regional progress.



Inaugural Address

Shri T.C. Nautiyal, IFS, Secretary (Science & Technology), Chandigarh Administration

He highlighted the department's efforts toward environmental sustainability, including biodiversity conservation. He stated, "We aim to achieve carbon neutrality by 2030. To address environmental pollution, we are improving waste management, promoting clean mobility by transitioning at least 50% of transportation modes to electric vehicles, amongst many other sustainability initiatives".



GRIHA Updates



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

She highlighted, "GRIHA Council is steadfastly moving forward and spearheading transformative actions in promoting sustainability in the built environment. She shared that combining Chandigarh, Punjab and Haryana, more than 500 projects are registered under GRIHA. She underlined the overall impact of GRIHA projects in the built environment and highlighted the green building incentives provided by the Governments of Punjab and Haryana respectively for GRIHA-registered projects, a step taken by both governments to promote the uptake of green buildings in the states'.

Vote of Thanks

Dr Amit K Dass, Founder and CEO, Greenfinch Real Estate Engineers and Consultants Pvt. Ltd.

He stressed the urgency of accelerating climate action and emphasized India's commitment to achieving net-zero emissions by 2070, a vision laid out by the Hon'ble Prime Minister of India.





Lighting the lamp ceremony by Hon'ble dignitaries during the Inaugural Session



Shri Amit K. Dass, Smt. Anita Kumari, Shri Sanjay Seth, Shri. S. Narayanan, Shri. T.C. Nautiyal & Smt. Shabnam Bassi (from L to R)

Plenary Session

Integrating Climate Resilience into Smart City Planning

The session, titled “Integrating Climate Resilience into Smart City Planning” aimed to explore strategies for integrating climate resilience into smart city planning, governance, and urban design. Brought together city planners, architects, policymakers, and technologists to discuss policies and data-driven solutions for building sustainable and climate-proof cities.



GRIHA REGIONAL CONCLAVE INTEGRATING CLIMATE RESILIENCE INTO SMART CITY PLANNING

17 FEBRUARY 2025 CHANDIGARH



Shri Sanjay Seth, Vice President & CEO, GRIHA Council and Senior Director, Sustainable Infrastructure Program, TERI

He convened the plenary session by highlighting the key role data in policy formulation and implementing sustainable practices in the built environment.

Shri Lalit Bhardwaj, Vice President- Design (MEP) DLF Limited

He emphasized the role of technology in sustainable urban infrastructure planning and development. He highlighted the importance of integrating IoT, and advanced technologies, particularly focusing on passive cooling strategies and the use of Variable Frequency Drives (VFDs) to enhance energy efficiency. Mr. Bhardwaj also stressed the need for technological integration in creating cities that are environmentally responsible and ready for the future.





Ar. Ashok B Lall, Founder and Principal Architect, Ashok B Lall Architects

He underscored the critical importance of designing future cities with a strong ecological foundation. He stated, "Sustainability must be embedded at the heart of urban planning, seamlessly integrated into every facet of city development." Drawing from the example of Chandigarh, Mr. Lall proposed that the city should expand into Mohali with a well-thought-out urban zone, balancing both growth and environmental responsibility. He concluded by reinforcing that this approach is vital not only for a sustainable future but also for building cities that are fair, resilient, and equipped to meet the challenges ahead.

Dr. Mutthulingam Subramaniyan, Associate Dean -Infrastructure, IIT Ropar

He underscored the importance of integrating IoT sensors and AI-driven data analysis in creating smarter and sustainable cities. He called for the strong partnership between academia and industry in creating environmentally responsible urban ecosystems. Dr. Subramaniyam further emphasized that this collaboration is not just an opportunity but a necessity in shaping the future of urban living.



Shri Mohit Bansal, Founder, GMI Infra

He highlighted the importance of transforming urban landscapes to promote sustainability and climate resilience. He spoke about the need for integrating energy-efficient technologies and renewable sources in infrastructure projects.

Shri Surinder Bahga, Principal Architect, Saakaar Foundation, Chandigarh

In his address, he emphasized that sustainability in urban development must be enforced through certain essential measures such as mandatory inclusion of vanity walls, consideration of wind direction, and the widespread integration of solar panels in new buildings. He further advocated for a 5-7% FAR (Floor Area Ratio) incentive for green buildings to encourage environmentally responsible designs.



Shri Parampal Singh, Senior Town Planner, Municipal Corporation, Amritsar

He highlighted the need for municipalities to adopt sustainability in urban planning and design, particularly in managing resources such as water, energy, and waste. He discussed the role of city planning in enhancing both the quality of life and environmental stewardship.



Ar. Ashok B Lall, Shri. Lalit Bhardwaj, Shri Parampal Singh, Shri Sanjay Seth, Shri Mohit Bansal, Shri Surinder Bahga, Dr. Mutthulingam Subramaniyan (from L to R)



Shri Sanjay Seth, Shri. Lalit Bhardwaj, Ar. Ashok B Lall, Shri Parampal Singh, Dr. Mutthulingam Subramaniyan, Shri Surinder Bahga, Shri Mohit Bansal (from L to R)

Thematic Session 1

Accelerating Green Transitions through Sustainable Infrastructure

The session, titled “Accelerating Green Transitions through Sustainable Infrastructure”, convened distinguished experts to deliberate on the significance of sustainable materials in construction to replace conventional materials, which contributes to the holistic approach for a greener future.



GRIHA REGIONAL CONCLAVE

SUSTAINABLE BUILDING MATERIAL: DECARBONIZATION IN THE CONSTRUCTION SECTOR

17 FEBRUARY 2025 CHANDIGARH



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

As a moderator, she commenced the discussion by underlining the need to adopt sustainable construction materials to strengthen the present and future quality of the built environment while addressing the climate change.

Shri Sachin Gupta, IAS, Commissioner Municipal Corporation, Ambala

He told the importance of integrating sustainability into urban development. He highlighted the urgent need for sustainable infrastructure that is in consonance with biodiversity conservation. He further discussed water conservation in urban planning, proposing that floodwaters be redirected into rivers and wastewater treated for irrigation. He also stressed micro-scale urban interventions, such as sustainable landscaping below and along underpass bridges, to improve both aesthetics and environmental impact.





Dr. Balkar Singh, President- ASHRAE Chandigarh Chapter & Former Joint Director, Punjab Energy Development Agency (PEDA), Government of Punjab

He focused on integrating sustainability from the start of infrastructural projects, advocating for energy-saving technologies like installation of rooftop solar panels, reflective roofs, and use of biomass energy. He praised the efforts of Government of Punjab in renewable energy initiatives and called for net-zero buildings that consider sustainability over their entire lifespan.

Ar. Pritpal Singh Ahluwalia, Chairman, IIA Punjab Chapter & Director Ludhiana Smart City Ltd

He stressed the crucial role of architects in ensuring sustainability from the early stages of urban development. He advocated for integrating sustainable strategies such as use of fly ash and treated industrial wastewater in construction. He further emphasized that these measures, could lead to significant environmental benefits and contribute to sustainable development.



Shri Jit Kumar Gupta, Former Advisor, Town Planning, Punjab Urban Planning & Development Authority (PUDA), Government of Punjab

He warned against unchecked urban expansion, emphasizing that regional planning should precede city development to ensure access to basic amenities like water and electricity. He advocated for people-first urban planning, prioritizing pedestrians and marginalized communities over vehicular infrastructure.

Shri P.S Saini, Ex-Superintending Hospital Engineer, PGIMER, Chandigarh

He discussed how optimizing hospital building envelopes can enhance HVAC (Heating, Ventilation, and Air Conditioning) efficiency, leading to reduced energy consumption. He stressed the importance of creating safe, comfortable, and energy-efficient environments for patients. Additionally, he recommended using advanced equipment like magnetic chairs to improve both hospital sustainability and patient comfort, ensuring that healthcare facilities meet modern standards of efficiency and environmental responsibility.



Ar. Shelja Gupta, Principal Architect, Designing Earth

She highlighted the need for developer-consultant collaboration to achieve sustainable urban development. She emphasized micro-green development, effective water harvesting, and eco-friendly landscaping.



Smt. Shabnam Bassi, Shri Pritpal Singh Ahluwalia, Shri Balkar Singh, Shri Sachin Gupta, Shri Jit Kumar Gupta, Smt. Shelja Gupta, Shri P.S Saini (from L to R)



Smt. Shabnam Bassi, Shri Pritpal Singh Ahluwalia, Shri Balkar Singh, Shri Sachin Gupta, Shri Jit Kumar Gupta, Smt. Shelja Gupta, Shri P.S Saini (from L to R)

Thematic Session 2

Sustainable Building Material: Decarbonization in the Construction Sector

The session, titled “ Sustainable Building Material: Decarbonization in the Construction Sector,” focused on policy-driven strategies and innovative materials to reduce carbon emissions in construction, emphasizing energy efficiency, circular economy practices, and sustainable alternatives for a low-carbon built environment.



Shri Gurharminder Singh, Joint Director, Directorate of Environment & Climate Change, Department of Science, Technology & Environment, Govt. of Punjab - cum-Principal Scientific Officer, Punjab State Biodiversity Board

In his thematic address, he highlighted key environmental concerns relating to GHG emissions. He stated that Punjab's per capita carbon emissions are 2.3 tons, with 3.5% of pollution originating from external sources. He emphasized the GHG Mission in the construction sector and noted that 80% of Punjab's land is agricultural, making climate action crucial. He also pointed to temperature drops below 2°C as a key climate trend.

Mr. Akash Deep, Deputy General Manager & Treasurer, GRIHA Council

As moderator of the session, he highlighted about growing environmental challenges, including resource depletion, as the global building stock continues to expand. Stressing the need for eco-friendly materials and sustainable practices, he emphasized the construction sector's role in reducing carbon emissions. His address set the tone for a panel discussion where experts shared practical strategies to make construction more sustainable and environmentally responsible.



Ar. Anil Kumar Walia, Chairman, IIA Panchkula Sector and Former Chief Architect Haryana

He emphasized the importance of convention building materials for sustainability. "Lime can enhance sustainability and affordability in housing," he stated. He highlighted the use of materials compliant with ECBC standards, including green concrete made from recycled aggregates and network fiber-infused concrete, promoting eco-friendly construction practices.



Smt. Sangeeta Bagga, Principal, Chandigarh College of Architecture, Panjab University, Chandigarh, INDIA

She underscored the role of academia in shaping a sustainability-conscious mindset among students. "Students must actively engage with sustainable materials and rethink conventional practices to drive meaningful change," she emphasized. Additionally, she stressed the importance of retrofitting existing structures to enhance sustainability, ensuring that urban growth aligns with environmental responsibility and resource efficiency.

Shri Sanjay Goel, Chief Architect, Designex Architects and Former Director, Ludhiana Smart City Ltd

He highlighted the growing acceptance of modern construction materials. "The materials used in buildings today have no side effects, and AAC blocks are increasingly replacing traditional BOQ elements," he stated. He also emphasized the role of Maharashtra's Bamboo Research and Training Centre in promoting sustainable materials, noting that currently, only 5% of buildings receive sustainability ratings.



Shri Sidharth Bansal, Co-Founder and Director, Magicrete Building Solutions Pvt. Ltd.

He addressed the misconception that green materials are expensive. "Every material requires raw materials and energy, but by using less of both, we make sustainable construction more viable," he explained. He highlighted the rise in the demand and use of AAC block and shared that 100 homes in India now use 3D precast technology, inaugurated by the Hon'ble Prime Minister of India. Advocating for sustainability, he emphasized using agricultural waste instead of coal and pointed out that AAC blocks help absorb carbon from the atmosphere.



Ar. Chetna Rathee, Assistant Professor, NICMAR University, Pune

She emphasized that "Green building is not just about structures; it's about people." She highlighted that Total Cost of Ownership (TCO) is not merely about savings but strategic investments. She also pointed to 3D printing and precast technology as the future of construction, reducing labour needs while addressing land scarcity as a precious resource.





Shri Anil Kumar Walia, Shri Sanjay Goel, Shri Akash Deep, Smt. Sangeeta Bagga, Smt. Chetna Rathee, Shri Sidharth Bansal (from L to R)

Special Remarks



Shri Sanjay Tandon, Chairman, Competent Group

He emphasized that a home should be built to last, carrying memories, emotions, and a legacy. Durability, climate adaptation, and energy efficiency are key, with steel enhancing strength and earthquake-resistant designs ensuring safety. Sustainability is vital, focusing on energy efficiency, green building practices, and water conservation. Efficient grey water management and smart technologies further reduce environmental impact. He stressed the need for stable policies to support sustainability. Ultimately, a well-built home is a foundation for lasting memories, security, and a sustainable future.

Closing Session

Welcome Remarks



Shri Sanjay Seth, Vice President & CEO, GRIHA Council and Senior Director, Sustainable Infrastructure Program, TERI.

He welcomed the gathering and highlighted the key takeaways from the deliberations. He recollected the valuable discussions conducted on various dimensions of sustainability from policy frameworks to smart technologies, all aimed at building a future with resilient, sustainable and inclusive infrastructure development.

Special Address

Dr. Jonardan Koner, Senior Professor and Dean of Career Services, International Affairs and Alumni Relations, NICMAR Pune

"Today, NICMAR becomes a part of GRIHA, and with this step, we reaffirm our commitment to not just sustainable development, but also to make affordable sustainable solutions. It's crucial to create an environment that is better for all, and whatever initiatives we take to achieve this, we will do so together, for the progress of our nation."



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 eminent dignitaries distinguished speakers, delegates and partners for their contribution to the success of the GRIHA Regional Conclave, Chandigarh. She invited the gathering for the upcoming GRIHA Regional Conclaves and the National Summit.

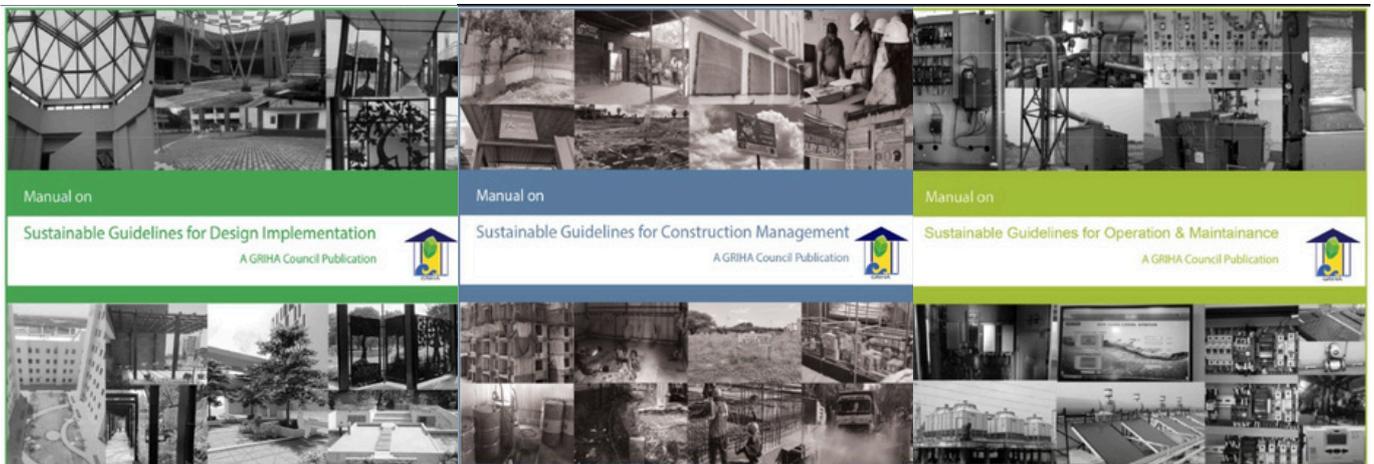
Release of GRIHA Publications

Sustainable Guidelines for Design Implementation, Construction Management

During the conclave the following Set of guidelines were officially launched in the regional language Punjabi

- **Sustainable Guidelines for Design Implementation**
- **Sustainable Guidelines for Construction Management**
- **Sustainable Guidelines for Operation and Maintenance**

These manuals provide comprehensive strategies for designing, constructing, and maintaining green buildings, thereby covering the entire building lifecycle.



A GRIHA Council Publication – Set of Manuals on Sustainable Guidelines for Design Implementation, Construction Management was released during the inaugural session of GRIHA Regional Conclave, Chandigarh

Recognizing the need for accessibility and regional inclusivity, these manuals are also being translated into local languages. The first localized edition, in Punjabi, was unveiled during the Conclave, marking a significant step towards spreading sustainability at the grassroots level. More language launches are planned in the near future, ensuring that sustainable practices reach diverse communities across India.

Signing of Memorandum of Understanding (MoU)

At the GRIHA Regional Conclave in Chandigarh, a significant Memorandum of Understanding (MoU) was signed with The Indian Institute of Architects, Punjab Chapter, and NICMAR University, Pune. This collaboration aims to strengthen knowledge exchange, research, and capacity building in sustainable architecture and infrastructure development. By leveraging the expertise of these institutions, the partnership will promote best practices in green building design, climate-responsive urban planning, and sustainability education. The MoU marks a strategic step toward fostering innovation and regional inclusivity in sustainable development, reinforcing Chandigarh's role as a model city for climate action in the built environment.



GRIHA Council and The Indian Institute of Architects, Punjab Chapter signed a Memorandum of Understanding



GRIHA Council and NICMAR University Pune signed a Memorandum of Understanding



GRIHA Felicitation Ceremony

S. No.	School Name	State	Rating
1	PM Shri School Jawahar Navodaya Vidyalaya Chandigarh	UT-Chandigarh	5 star
2	PM Shri School Jawahar Navodaya Vidyalaya Gurugram	Haryana	5 Star
3	PM Shri School Jawahar Navodaya Vidyalaya Mouli,Panchkula	Haryana	5 star
4	PM Shri School Jawahar Navodaya Vidyalaya Naichana, Rewari	Haryana	5 star
5	PM Shri School Jawahar Navodaya Vidyalaya Naultha, Panipat	Haryana	5 star
6	PM Shri School Jawahar Navodaya Vidyalaya Niwarsi, Kurukshetra	Haryana	5 star
7	PM Shri School Jawahar Navodaya Vidyalaya Pojewall, SBS Nagar	Punjab	5 star
8	PM Shri School Jawahar Navodaya Vidyalaya Yamuna Nagar	Haryana	5 star
9	PM Shri School Jawahar Navodaya Vidyalaya Ambala	Haryana	4 star
10	PM Shri School Jawahar Navodaya Vidyalaya Butana,Sonepat	Haryana	4 star
11	PM Shri School Jawahar Navodaya Vidyalaya Fatehabad	Haryana	4 star
12	PM Shri School Jawahar Navodaya Vidyalaya Goindwal Sahib, TarnTaran	Punjab	4 star
13	PM Shri School Jawahar Navodaya Vidyalaya Jhajjar	Haryana	4 star
14	PM Shri School Jawahar Navodaya Vidyalaya Kaithal	Haryana	4 star
15	PM Shri School Jawahar Navodaya Vidyalaya Mahianwala Kalan, Ferozepur	Punjab	4 star
16	PM Shri School Jawahar Navodaya Vidyalaya Mansa	Punjab	4 star
17	PM Shri School Jawahar Navodaya Vidyalaya Mohali	Punjab	4 star
18	PM Shri School Jawahar Navodaya Vidyalaya Mothuka, Faridabad	Haryana	4 star
19	PM Shri School Jawahar Navodaya Vidyalaya Najochak, Pathankot	Punjab	4 star
20	PM Shri School Jawahar Navodaya Vidyalaya Pulahi, Hoshiarpur	Punjab	4 star
21	PM Shri School Jawahar Navodaya Vidyalaya Sangrur	Punjab	4 star
22	PM Shri School Jawahar Navodaya Vidyalaya Talwandi Madho, Jalandhar	Punjab	4 star
23	PM Shri School Jawahar Navodaya Vidyalaya Teona Pujarian, Bathinda	Punjab	4 star

GRIHA Rated Projects





Cultural Evening



GRIHA Green Building Tour

GRIHA Council conducted a Green Building Tour to the "Net Zero Carbon Homes" in Mohali on 18th February, 2025, which is aspiring for a SVAGRIHA rating. The participants were apprised with various strategies adopted on site, including the passive design strategies integrated into the building.

The tour was graced by the presence of Shri. Ayush Sinha, IAS, Commissioner, Municipal Corporation Yamunanagar and Shri. Sachin Gupta, IAS, Commissioner Municipal Corporation Ambala.

The event was conducted as a concluding event to the GRIHA Regional Conclave held in Chandigarh on 17th February, 2025.



Green Building Tour to AP 421, EMAAR MOHALI HILLS, SECTOR 109, MOHALI, NEAR CHANDIGARH

Key Highlights

Inaugural Session:

- The session highlighted the urgent need for region-specific climate strategies.
- Dignitaries stressed the importance of energy-efficient buildings, sustainable construction materials, and climate-responsive urban policies to mitigate environmental challenges.
- The city's existing green initiatives, solar energy adoption, promoting technological advancements in green infrastructure and planned urban expansion position it as an ideal reference for other growing urban centers seeking sustainable solutions.
- The session reinforced the importance of public-private partnerships, academic contributions, and citizen engagement in accelerating climate action in the built environment.

Plenary Session - Integrating Climate Resilience into Smart City Planning

- The session deliberated on the availability of open-source data and its critical role in enhancing energy efficiency across different building types.
- The session emphasized integrating technologies such as IoT sensors, AI-driven data analytics, and passive cooling solutions like Variable Frequency Drives (VFDs) to optimize energy usage and improve sustainability in urban infrastructure.
- The session emphasized embedding sustainability at the heart of urban planning for creating cities that balance growth with environmental responsibility. By designing urban spaces with a focus on ecological integrity, such as the planned expansion of Chandigarh into Mohali, cities can be developed in a way that promotes long-term sustainability.
- To achieve smarter, more sustainable cities, academia and industry must collaborate to create innovative solutions for optimizing energy use and reducing carbon footprints.

Thematic Session 1- Accelerating Green Transitions through Sustainable Infrastructure

- The session highlighted effective water management in urban planning. Redirecting floodwaters into rivers and treating wastewater for irrigation are practical strategies. Micro-scale interventions, such as sustainable landscaping under underpass bridges, can improve both aesthetics and environmental impact, making cities greener and more sustainable.
- The session deliberated on the adoption of sustainable construction materials for improving the built environment and addressing climate change. Incorporating energy-saving technologies, like rooftop solar panels, reflective roofs, and biomass energy, from the start of urban projects ensures a long-lasting, eco-friendly approach to development.
- The session pointed out that unchecked urban expansion must be avoided, and regional planning should precede city development to ensure access to vital resources like water and electricity. People-first urban planning is key to creating inclusive, resource-efficient cities that serve all residents.
- The session emphasized net-zero buildings should be prioritized in urban development, focusing on sustainability over their entire lifespan. It also discussed the importance of collaboration between developers and consultants for achieving sustainable urban development.

Key Highlights

Thematic Session 2- Sustainable Building Material: Decarbonization in the Construction Sector

- The session discussed the role of academia in fostering a sustainability-conscious mindset among students, engaging them in innovating sustainable materials and rethinking traditional construction practices to drive meaningful change.
- The session highlighted that building materials, such as AAC blocks and green concrete, contribute to eco-friendly construction practices. However, awareness of these materials is still limited, and currently, only a small percentage of buildings are receiving sustainability ratings.
- The session stressed the common misconception that green materials are expensive. By using fewer raw materials and less energy, sustainable construction becomes more feasible. Innovations like AAC blocks and 3D precast technology are helping to reduce carbon emissions, while agricultural waste is being explored as an alternative to coal, contributing to greener building practices.
- The session shared that green building is not just about the physical structure but also about the people who occupy and benefit from it. The total cost of ownership involves more than just cost savings, encompassing strategic investments in sustainability.

Closing Session

- The session discussed the role of capacity building in fostering environmental stewardship and climate leadership amongst students and engaging them in innovating sustainable solutions.
- The session highlighted the crucial role of forging partnerships between industry and academia to strengthen research and development of innovative and sustainable technologies towards achieving the climate goals.

Way Forward - Action Points

The GRIHA Regional Conclave 2025, Chandigarh, centered on “**Accelerating Climate Action in the Built Environment**,” provided key insights and action points for fostering sustainable urban development. The conclave emphasized climate resilience, sustainable infrastructure, and decarbonization in the construction sector. The following strategic action points emerged:

Advocacy & Policy Implementation

- **Facilitating Green Building Adoption:** Encourage the implementation of GRIHA ratings and certifications to integrate sustainability into the built environment.
- **Smart & Resilient Cities:** Collaborate with state governments to develop climate-resilient infrastructure and promote net-zero carbon impact cities.
- **Sustainable Urban Planning:** Strengthen public-private partnerships to enhance urban sustainability policies and regulations.

Sustainable Infrastructure Development

- **Green Construction Materials:** Promote the use of low-carbon and energy-efficient materials, such as bamboo, cross-laminated timber, and recycled steel, to minimize environmental impact.
- **Water & Waste Management:** Implement circular economy strategies to optimize resource utilization, reduce construction waste, and improve water conservation practices.
- **Energy-Efficient Buildings:** Encourage prefabrication, modular construction, and smart design technologies to improve building efficiency and reduce emissions.

Capacity Building & Training

- **Stakeholder Engagement:** Organize awareness programs and training workshops for government officials, architects, urban planners, and builders on sustainable construction practices.
- **Technical Skill Development:** Provide hands-on training for industry professionals on eco-friendly building materials, renewable energy integration, and climate adaptation strategies.

Regional & Grassroots Initiatives

- **Localized Sustainability Resources:** Ensure the availability of sustainable building manuals in regional languages to make green practices accessible at the grassroots level.
- **Community-Led Climate Action:** Promote citizen participation in urban sustainability projects, fostering inclusive growth and resilience against climate challenges.

The GRIHA Council, along with government bodies, industry leaders, and academic institutions, will continue to drive these initiatives, ensuring a transition toward sustainable and climate-responsive urban environments.

GRIHA Regional Conclave in News

ThePrint
 Friday, February 21, 2025
 Support and Journalism

Regional conclave in Chandigarh discusses climate resilience, sustainable infrastructure
 Feb 18 Edition, 2025 01:18 pm IST

Chandigarh, Feb 18 (PTI) A regional conclave here on Monday brought together government officials, industry leaders, architects, and sustainability experts to discuss climate resilience, sustainable infrastructure, and decarbonisation in the construction sector.

Organised by the Green Rating for Integrated Habitat Assessment (GRIHA) Council, Greenfinch real estate Engineers and Consultants, the conclave is part of a series of regional events aimed at promoting climate-conscious urban development, a statement by GRIHA said.

The conclave was inaugurated by Sanjay Seth, vice president and CEO, GRIHA Council, and senior director, The Energy and Resources Institute (TERI), who urged stakeholders to take bold and immediate action in integrating sustainability into urban planning and building practices.

He emphasised that sustainability is no longer an option but a necessity for securing future generations.

The event witnessed participation from dignitaries, including S Narayanan, IFS, Director General, Department of New and Renewable Energy, Government of Haryana, who emphasized policy-driven approaches to achieving net-zero carbon buildings.

Source: ThePrint

CITY AIR NEWS
 HOME NATION PUNJAB HARYANA/HIMACHAL BUSINESS EDUCATION

BREAKING: SIX RETURNING FROM MAHA KUMBH KILLED IN CAR-TRUCK COLLISION IN BIHAR'S BHOJPU

City Architect participates in 'GRIHA Regional Conclave'

Architect Sanjay Seth from Designx Architects and former Director of Ludhiana Smart City Limited participated in GRIHA (Green Rating for Integrated Habitat Assessment) Regional Conclave organised by Ministry of New and Renewable Energy, Government of India in Chandigarh. The theme of the conclave was "Accelerating Climate Action in The Built Environment".

17 FEBRUARY 2025 CHANDIGARH

ACCELERATING CLIMATE ACTION IN THE BUILT ENVIRONMENT

Source: City Air News

@thesavertimes

GRIHA conclave in city, a drives action for sustainable urban development

@ The Savera Times
 Network

Chandigarh: The GRIHA Regional Conclave, held in Chandigarh on Monday, brought together government officials, industry leaders, architects, and sustainability experts to discuss climate resilience, sustainable infrastructure, and decarbonization in construction. Organized by the GRIHA Council and Greenfinch Real Estate Engineers and Consultants as the knowledge partner, the conclave is part of a series of regional events focused on promoting climate-conscious urban development.

In his inaugural speech, Sanjay Seth, Vice President & CEO of GRIHA Council, emphasized that sustainability is crucial for securing future generations and must be integrated into urban planning and building practices. Key dignitaries included S. Narayanan, Director General, Department of New & Renewable Energy, Haryana, who stressed the importance of policy-driven approaches, and T.C. Nautiyal, Secretary (Science & Technology), Chandigarh Administration, who highlighted scientific innovation in sustainable development.

The conclave featured discussions on various themes:
 Plenary Session: Experts explored the integration of climate resilience into smart city planning, emphasizing green infrastructure, energy-efficient urban planning, and governance frameworks for climate adaptation.
 Thematic Track 1: Focused on accelerating green transitions through sustainable infrastructure, highlighting strategies like sustainable waste management, water conservation, and eco-friendly construction innovations.
 Thematic Track 2: Addressed decarbonization in construction through low-carbon materials, energy-efficient designs, and circular economy strategies.

Key outcomes included the signing of MoUs to foster strategic partnerships and recognition of outstanding contributors in green building initiatives. The conclave ended with a cultural evening and networking dinner, ensuring continued collaboration towards climate-resilient urban development.

Source: TheSavertimes

Sustainable urban planning in focus at GRIHA conclave
CHANDIGARH: The Green Rating for Integrated Habitat Assessment (GRIHA) regional conclave on 'Accelerating climate action in the built environment' was held at Sector 17 on Monday. It was inaugurated by Sanjay Seth, vice-president and CEO of GRIHA Council. HTC

Source:HindustanTimes

GRIHA regional conclave discusses climate resilience, sustainable infrastructure and decarbonization in construction sector

PUNJAB EXPRESS BUREAU Chandigarh, February 17

The GRIHA Regional Conclave, held in Chandigarh on February 17, 2025, successfully brought together government officials, industry leaders, architects, and sustainability experts to discuss climate resilience, sustainable infrastructure, and decarbonization in the construction sector.

Organised by the GRIHA Council, with Greenfinch Real Estate Engineers and Consultants serving as the knowledge partner, the conclave was part of a series of regional events aimed at promoting climate-conscious urban development.

The conclave was inaugurated by Sanjay Seth, Vice President and CEO of the GRIHA Council and Senior Director at TERI, who urged stakeholders to take bold and immediate action in integrating sustainability into urban planning and building practices. He emphasized that sustainability is no longer an option, but a necessity

to secure a better future for generations to come.

The event saw participation from several distinguished dignitaries who provided valuable insights on sustainability and innovation.

Among them was S. Narayanan, IFS, Director General of the Department of New & Renewable Energy, Government of Haryana, who highlighted the importance of policy-driven approaches to achieving net-zero carbon buildings. T.C. Nautiyal, IFS, Secretary (Science & Technology) for the Chandigarh Administration, discussed the critical role of scientific innovation in driving sustainable development. Anita Kumari, Assistant Commissioner (Estt-I) at Navodaya Vidyalaya Samiti, Regional Office, Chandigarh, Ministry of Education, Government of India, also shared her perspectives. Shabnam Bassi, Deputy Chief Executive Officer and Secretary of the GRIHA Council, and Director of the Sustainable Buildings Division at TERI, offered her expertise on sustainable buildings.

Source: PunjabExpress



चंडीगढ़ भास्कर 18-02-2025

चंडीगढ़ में सस्टेनेबल सिटीज को लेकर कॉन्क्लेव, एक्सपर्ट्स ने कहा- ग्रीन इन्फ्रास्ट्रक्चर की जरूरत

चंडीगढ़ ग्रिहा (जीआरआईएचए) कॉन्क्लेव सोमवार को चंडीगढ़ में आयोजित की गई। इसमें सरकारी अफसरों, इंडस्ट्री और आर्किटेक्ट्स ने हिस्सा लिया। कंस्ट्रक्शन सेक्टर में क्लाइमेट अडेप्टेशन, संसेबल इन्फ्रास्ट्रक्चर और डिक्लॉनइजेशन के मामलों को लेकर चर्चा की गई। ग्रिहा काउंसिल की तरफ से इसको नॉलेज पार्ट के साथ मिलाकर किया गया जिसमें अलग अलग सेशन आयोजित किए गए। ग्रिहा काउंसिल के वहाइस प्रेसिडेंट और सैनिटर डायरेक्टर टेरी संजय सेठ ने अर्बन प्लानिंग और कंस्ट्रक्शन में संस्टेनेबिलिटी की अजेंड नीड को लेकर जानकारी साझा की। उन्होंने कहा कि संस्टेनेबिलिटी ज्यादा देर तक ऑप्शन नहीं बल्कि जरूरत बन जाएगा ताकि आने वाली पीढ़ियों का भविष्य सुरक्षित रहे। मीटिंग में डायरेक्टर जनरल डिपार्टमेंट ऑफ न्यू एंड रिन्यूएबल एनर्जी गवर्नमेंट ऑफ हरियाणा एस नारायण ने हिस्सा लिया और नेट जीरो कार्बन बिल्डिंग्स को अचीव करने के लिए पॉलिसी मेकिंग को लेकर कहा। चंडीगढ़ प्रशासन से सेक्रेटरी सॉलर एंड टेक्नोलॉजी टीसी नॉटियल भी कॉन्क्लेव में शामिल हुए जिन्होंने संस्टेनेबल

Source: Dainik Bhaskar

पंजाब केसरी ई-पेपर

EDITIONS ▼ Chandigarh Kesar

भा

ग्रीन बिल्डिंग कांसेप्ट से पर्यावरण संरक्षण की रीजनल कॉन्क्लेव संपन्न

स्थिरता कोई विकल्प नहीं, भावी पीढ़ियों की सुरक्षा के लिए अनिवार्यता बन चुकी है



गाज

हुई। विश्व ओ. नवदीप के क्षेत्र में जा रहा है। य प्रैक्टिकल है। कार्यक्रम गंगली पीढ़ी इंटिकोण एवं निदेशक सुरणादायक तानव अंतरिक्ष र विषय के

नारायण ने नीतिगत उपायों के माध्यम से नेट-जीरो कार्बन बिल्डिंग्स को बढ़ावा देने की आवश्यकता पर जोर दिया। प्रशासन के विज्ञान एवं प्रौद्योगिकी के सचिव टी.सी. नॉटियल ने वैज्ञानिक नवाचार को सतत विकास के लिए महत्वपूर्ण कारक बताया। नवोदय विद्यालय समिति, क्षेत्रीय कार्यालय की सहायक आयुक्त अनिता कुमारी, शबनम बासी और डॉ. अमित दास ने भी अपने विचार रखे।

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Source:Punjab Kesri

जानकारी और फोटो हमें भेजें।

ईमेल chd-cityreporter@chd.amarujala.com

व्हाट्सएप करें
76175-66174

पर्यावरण संरक्षण के लिए ग्रीन बिल्डिंग कांसेप्ट की जरूरी

चंडीगढ़। पर्यावरण संरक्षण के लिए ग्रीन बिल्डिंग कांसेप्ट जरूरी है। अगर इसको ठीक से किया तो निश्चित तौर पर पर्यावरण को फायदा मिलेगा। सोमवार को शहर के निजी होटल में ग्रीन बिल्डिंग कांसेप्ट पर चर्चा की गई। इसमें अलग-अलग सेक्टर से जुड़े जानकारों ने अनुभव साझा किए। ग्रिहा काउंसिल की ओर से आयोजित क्षेत्रीय सभा में आए जानकारों ने इसका उद्देश्य बताया। संवाद

Source:AmarUjala



चंडीगढ़ भास्कर 18-02-2025

चंडीगढ़ में संस्तेनेबल सिटीज को लेकर कॉन्क्लेव, एक्सपर्ट्स ने कहा- ग्रीन इंफ्रास्ट्रक्चर की जरूरत

चंडीगढ़। ग्रिहा (जीआरआईएचए) कॉन्क्लेव सोमवार को चंडीगढ़ में आयोजित की गई। इसमें सरकारी अफसरों, इंडस्ट्री और आर्किटेक्ट्स ने हिस्सा लिया। कंस्ट्रक्शन सेक्टर में क्लाइमेट अडेप्टेशन, संस्तेनेबल इंफ्रास्ट्रक्चर और डि कार्बोनाइजेशन के मामलों को लेकर चर्चा की गई। ग्रिहा काउंसिल की तरफ से इसको नॉलेज पार्ट के साथ मिलकर किया गया जिसमें अलग अलग सेशन आयोजित किए गए। ग्रिहा काउंसिल के वाइस प्रेसिडेंट और सीनियर डायरेक्टर टेरी संजय सेठ ने अर्बन प्लानिंग और कंस्ट्रक्शन में संस्तेनेबिलिटी की अर्जेंट नीड को लेकर जानकारी साझा की। उन्होंने कहा कि संस्तेनेबिलिटी ज्यादा देर तक ऑप्शन नहीं बल्कि जरूरत बन जाएगा ताकि आने वाली पीढ़ियों का भविष्य सुरक्षित रहे। मीटिंग में डायरेक्टर जनरल डिपार्टमेंट ऑफ न्यू एंड रिन्यूएबल एनर्जी गवर्नमेंट ऑफ हरियाणा एस नारायण ने हिस्सा लिया और नेट जीरो कार्बन बिल्डिंग्स को अचीव करने के लिए पॉलिसी मेकिंग को लेकर कहा। चंडीगढ़ प्रशासन से सेक्रेटरी साइंस एंड टेक्नोलॉजी टीसी नैटियाल भी कॉन्क्लेव में शामिल हुए जिन्होंने संस्तेनेबल डेवलपमेंट के लिए साइटेफिक् इनोवेशन को लेकर जानकारी रखी। अर्बन संस्तेनेबिलिटी के लिए ग्रीन इंफ्रास्ट्रक्चर, एनर्जी एफिसिएंट अर्बन प्लानिंग, क्लाइमेट अडेप्टेशन के लिए गवर्नेंस फ्रेमवर्क को लेकर बातचीत की गई।

Source: Dainik Bhaskar

The screenshot shows a news article on the LatestLY website. The main headline is "India News | Regional Conclave in Chandigarh Discusses Climate Resilience, Sustainable Infrastructure". The article text mentions that a regional conclave was held on Monday, bringing together government officials, industry leaders, architects, and sustainability experts to discuss climate resilience, sustainable infrastructure, and decarbonisation in the construction sector. The article is dated Friday, February 21, 2025. The website interface includes navigation menus for various news categories and a sidebar with trending news items.

Source: latestly.com

The screenshot shows a Reddit post from the r/Chandigarh subreddit. The text of the post states: "A Green Building Tour was organized on the GRIHA regional conclave, it featured key experts from GRIHA & knowledge partners Greenfinch Real Estate engineering&consultants, Sanchit Malik, Deputy manager of GRIHA Council, Dr. Amit Das, Founder & CEO of Green Finch real estate engineering & consultants." Below the text is a photograph of a group of people standing in front of a modern, multi-story building with a glass facade and green accents. The building appears to be a green building under construction or recently completed.

Source: Reddit -r/chandigarh

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Green Building Tour Showcases Sustainable Innovation at 4th GRIHA Conclave

Mohali: A Green Building Tour was organized on the GRIHA regional conclave

The tour featured key experts from GRIHA and knowledge partners Greenfinch Real Estate engineering and consultants .

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Home > News > Urban Development > Article

Paving the Way for Climate-Resilient Cities: A Call to Action at the Regional Conclave

A regional conclave focused on climate resilience and sustainable construction gathered government officials and industry leaders to discuss sustainable urban development, organized by the GRIHA Council. The event stressed the urgency of incorporating sustainability into urban planning, highlighting data-driven solutions and policy-driven approaches for achieving net-zero carbon buildings.

Devdiscourse News Desk | Chandigarh | Updated: 18-02-2025 00:12 IST | Created: 18-02-2025 00:12 IST



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Country: India SHARE    

A regional conclave gathered in our city on Monday, uniting government officials, industry leaders, architects, and sustainability experts to

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-  1
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-  2
GLOBAL
-  3
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-  4
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42

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