



# ACCELERATING CLIMATE ACTION IN THE BUILT ENVIRONMENT



**30 AUGUST 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)** 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** was scheduled on **30<sup>th</sup> August 2024** at **The Park Hotel, Raj Bhavan Rd, Somajiguda, Hyderabad - 500082, Telangana, India** on the theme **‘Accelerating Climate Action in the Built Environment’**.

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 16<sup>th</sup> 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 16<sup>th</sup> GRIHA Summit.**

## Background

Hyderabad, a rapidly expanding metropolitan in southern India, offers a distinctive and pertinent backdrop for discussions focused on accelerating climate action in the built environment. It is the capital city of the youngest state of the Union of States in India, Telangana and is the fastest-growing centre for technology infrastructure. The city's dynamic growth and its significant environmental challenges and opportunities underscore the importance of the conclave's theme. As one of the major urban hubs in India, Hyderabad has experienced unprecedented increases in both population and infrastructure, leading to pressing environmental issues such as higher energy consumption, air pollution, and the urban heat island effect. These issues highlight the urgent need for sustainable solutions in the built environment.

The city's expansion offers both challenges and opportunities for climate action. The rapid development of commercial and residential areas makes Hyderabad an ideal case study for implementing and scaling green building practices. Hyderabad has also been proactive in promoting sustainability and climate action. The state government and various local bodies have launched several green initiatives and policies aimed at reducing carbon emissions and enhancing energy efficiency. The GRIHA Regional Conclave, Hyderabad provides a platform to deliberate on practical strategies applicable to similar urban contexts across the region.

Furthermore, Hyderabad is home to numerous stakeholders in the building and construction sectors who are actively engaged in sustainability efforts. This includes private companies and public institutions dedicated to advancing green building practices and climate resilience. The conclave offers a valuable opportunity to bring these stakeholders together, exchange best practices, brainstorm and develop collaborative solutions that support the broader goal of accelerating climate action. The theme of "Accelerating Climate Action in the Built Environment" aligns seamlessly with Hyderabad's current urban and environmental landscape. The city's evolving infrastructure provides a practical platform for exploring innovative solutions that address climate change impacts, improve resource efficiency, and promote sustainable urban development. By convening in Hyderabad, the conclave focuses on actionable strategies that are both theoretically sound and practically viable within the context of a rapidly transforming major Indian city.

The GRIHA Regional Conclaves are designed to emphasize the importance of regional inclusivity in sustainability discussions within the built environment. In partnership with state governments and industry experts, the GRIHA Council plans to host these conclaves in various cities across India. These regional forums aim to address specific challenges and develop strategies tailored to local climatic conditions, cultural contexts, and resource availability, ensuring that solutions are both relevant and effective.



## Acknowledgements

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

We extend our sincere gratitude to **Shri Duddilla Sridhar Babu**, Hon'ble Minister, Ministry of Information Technology, Electronics & Communications; Industries & Commerce and Legislative Affairs, Government of Telangana 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: **Smt. Hari Chandana Dasari, IAS**, Special Secretary to Government, Roads and Buildings Department, Government of Telangana; **Shri D Radhakrishna Reddy**, Director (Project & Planning), Bangalore Metro Rail Corporation Limited (BMRCL); **Shri T Gopalakrishna**, Deputy Commissioner, Navodaya Vidyalaya Samiti, Regional Office, Hyderabad, Ministry of Education, Government of India; and **Dr. Madhumathi A**, Director, School of Architecture (V-SPARC), Vellore Institute of Technology, Vellore, Tamil Nadu, India.

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

Special thanks to **Ela Green Buildings & Infrastructure Consultants** for their invaluable support, insights and contributions as the **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 Hyderabad.

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’	
30 <sup>th</sup> August 2024 (Friday)	
Venue: The Park Hotel Raj Bhavan Rd, Somajiguda, Hyderabad, Telangana 500082, India Tel: 040 4499 0000	
0900 – 1000 hrs.	Registration
1000 – 1100 hrs.	<b>Inaugural Session</b> <ul style="list-style-type: none"> <li>• Lighting the lamp</li> <li>• Welcome Address</li> <li>• Release of GRIHA Publication</li> <li>• Special Address</li> <li>• Inaugural Address</li> <li>• Signing of Memorandum of Understanding</li> <li>• GRIHA Updates</li> <li>• GRIHA Award Ceremony</li> <li>• Vote of Thanks</li> </ul>
1100 – 1130 hrs.	Networking Tea/Coffee
1130 – 1300 hrs.	<b>Plenary Session:</b> Blueprint to Legislation – Policies Shaping Climate Action
1300 – 1400 hrs.	Networking Lunch
1400 – 1530 hrs.	<b>Thematic Track 1:</b> Material Matters – Sustainable Choices in Construction
1530 – 1545 hrs.	Networking
1600 – 1700 hrs.	<b>Thematic Track 2:</b> Making Climate Action Smarter
1700 – 1815 hrs.	<b>Valedictory Session</b> <ul style="list-style-type: none"> <li>• Welcome Address</li> <li>• Special Address</li> <li>• Special Address</li> <li>• Signing of Memorandum of Understanding</li> <li>• Valedictory Address</li> <li>• GRIHA Award Ceremony</li> <li>• Vote of Thanks</li> </ul>
1815 – 1845 hrs.	Networking Tea/ Coffee
1845 – 1910 hrs.	Cultural Evening
1910 Onwards	Dinner Reception



## Detailed Agenda

'Accelerating Climate Action in the Built Environment'	
30 <sup>th</sup> August 2024 (Friday)	
Venue: The Park Hotel Raj Bhavan Rd, Somajiguda, Hyderabad, Telangana 500082, India Tel: 040 4499 0000	
0900 – 1000 hrs.	Registration
1000 – 1100 hrs.	Inaugural Session
	<p><b>Lighting the Lamp</b></p> <p><b>Welcome Address:</b>  <b>Shri Sanjay Seth</b>, Vice President &amp; Chief Executive Officer, GRIHA Council &amp; Senior Director, Sustainable Infrastructure Programme, TERI</p> <p><b>Release of GRIHA Publication</b></p> <p><b>Special Address:</b>  <b>Shri D Radhakrishna Reddy</b>, Director (Project &amp; Planning), Bangalore Metro Rail Corporation Limited (BMRL)</p> <p><b>Inaugural Address:</b>  <b>Shri Duddilla Sridhar Babu</b>, Hon'ble Minister, Ministry of Information Technology, Electronics &amp; Communications; Industries &amp; Commerce and Legislative Affairs, Government of Telangana</p> <p><b>Signing of Memorandum of Understanding (MoU)</b></p> <p><b>GRIHA Updates:</b>  <b>Smt. Shabnam Bassi</b>, Deputy Chief Executive Officer &amp; Secretary, GRIHA Council &amp; Director, Sustainable Buildings Division, TERI</p> <p><b>GRIHA Felicitations Ceremony</b></p> <p><b>Vote of Thanks:</b>  <b>Smt. Samhita M</b>, Founder and Managing Director, Ela Green Buildings &amp; Infrastructure Consultants</p>
1100 – 1130 hrs.	Coffee/Tea Break

1130 – 1300 hrs	<b>Plenary Session:</b> <b>Blueprint to Legislation – Policies Shaping Climate Action</b>
	<p>Regulations and frameworks are crucial for effectively enhancing environmental quality, and thus policies and actions shall go hand-in-hand to address the effects of climate change in the built environment.</p> <p>The session aims to create a platform to discuss and understand the systematic procedures in framing policies and schemes that address sustainability in the built environment. The dynamic process of transforming climate action blueprints into robust legislation involves informed decision-making for new policies which subsequently evolves into successful actions. This approach helps gain trust and support from stakeholders, thereby bridging the gaps between past, present, and future climate actions.</p> <p>The discussion will include speakers from the private sector, government, academia, and policymaking, all with a deep understanding of the multifaceted approach required to shape and implement effective environmental policies. These experts will share their insights on successful collaboration strategies, the challenges encountered, and the path forward for impactful climate legislation.</p>
1300 – 1400 hrs.	<b>Setting the Theme &amp; Moderator:</b> <b>Shri Sanjay Seth</b> , Vice President & Chief Executive Officer, GRIHA Council & Senior Director, Sustainable Infrastructure Programme, TERI
	<b>Speakers:</b> <b>Dr. Anirban Ghosh</b> , Professor & Head, Centre for Sustainability, Mahindra University  <b>Smt. Samhita M</b> , Founder and Managing Director, Ela Green Buildings & Infrastructure Consultants  <b>Shri Ravindra Babu KS</b> , Superintending Engineer, IIT Hyderabad

1400 – 1530 hrs	<b>Thematic Session 1:</b> <b>Material Matters – Sustainable Choices in Construction</b>
	<p>With the building stock projected to increase significantly by 2050, the anticipated rise in building density—if reliant on conventional materials and methods—will contribute to environmental degradation, and resource depletion, and exacerbate global climate change through high carbon emissions and energy consumption.</p> <p>To mitigate these impacts, the focus should be on sustainable materials that offer high efficiency, usability, and low embodied energy, reducing construction's carbon footprint. Sustainable materials can significantly lower greenhouse gas emissions, minimize waste, and decrease reliance on non-renewable resources.</p> <p>This session aims to equip architects, builders, and developers with the insights needed to make informed decisions in their projects. By prioritizing sustainable materials and promoting environmentally friendly building practices, the construction industry can be crucial in combating climate change and fostering a more sustainable future.</p>
	<p><b>Setting the Theme:</b>  <b>Shri Ankit Bhalla</b>, Manager, GRIHA Council</p> <p><b>Moderator:</b>  <b>Smt. Shabnam Bassi</b>, Deputy Chief Executive Officer &amp; Secretary, GRIHA Council &amp; Director, Sustainable Buildings Division, TERI</p> <p><b>Speakers:</b>  <b>Smt. Neetu Jain</b>, Managing Director, Panache Green Tech Solutions Pvt. Ltd.  <b>Shri Tarun Jami</b>, Founder &amp; Chief Executive Officer, GreenJams  <b>Shri Mohit Agarwal</b>, Founder, Vinayak Industries</p>

1600 – 1700 hrs.	<b>Thematic Session 2: Making Climate Action Smarter</b>
	<p>Smart technologies are revolutionizing the construction industry, significantly enhancing sustainability by optimizing time, cost, labour, and resources. Advancements like Building Information Modeling (BIM), construction monitoring drones, Artificial Intelligence (AI), the Internet of Things (IoT), and Data Analytics play a crucial role in enabling precise planning, design, and management of construction projects. These technologies improve stakeholder collaboration and facilitate faster project completion with enhanced quality control and reduced environmental impact.</p> <p>The session will discuss smart technologies that enhance sustainability in construction processes, focusing on methods that minimize on-site construction time and use smart sensors and devices to boost efficiency.</p> <p>Aligning these innovations with climate action initiatives, the construction industry can significantly accelerate efforts to combat climate change and promote a more sustainable future.</p> <p><b>Setting the Theme &amp; Moderator:</b></p> <p><b>Dr. Rajkiran V Bilolikar</b>, Professor, Centre for Energy Studies at Administrative Staff College of India (ASCI)</p> <p><b>Speakers:</b></p> <p><b>Smt. Vijayadurga Koppiseti</b>, Founder &amp; Chief Executive Officer, Architude BIM (Building Information Modelling) Services</p> <p><b>Shri Ramesh Samala</b> Regional Lead-IBMS, Digital Energy BU, Digital Buildings, Schneider Electric</p> <p><b>Shri Akash Deep</b>, Deputy General Manager &amp; Treasurer, GRIHA Council</p> <p><b>Dr. Nina Lazar</b>, Assistant Professor, School of Architecture, Vellore Institute of Technology</p>

Valedictory Session and GRIHA Felicitation Ceremony	
1700 – 1845 hrs.	<p><b>Welcome Address:</b>  <b>Shri Sanjay Seth</b>, Vice President &amp; Chief Executive Officer, GRIHA Council &amp; Senior Director, Sustainable Infrastructure Programme, TERI</p> <p><b>Special Address:</b>  <b>Shri T Gopalakrishna</b>, Deputy Commissioner, Navodaya Vidyalaya Samiti, Regional Office, Hyderabad, Ministry of Education, Government of India</p> <p><b>Special Address:</b>  <b>Dr. Madhumathi A</b>, Director, School of Architecture (V-SPARC), Vellore Institute of Technology, Vellore, Tamil Nadu, India</p> <p><b>Signing of Memorandum of Understanding</b></p> <p><b>Valedictory address:</b>  <b>Smt. Hari Chandana Dasari, IAS</b>, Special Secretary to Government, Roads and Buildings Department, Government of Telangana</p> <p><b>GRIHA Felicitation Ceremony</b></p> <p><b>Vote of Thanks:</b>  <b>Smt. Shabnam Bassi</b>, Deputy Chief Executive Officer &amp; Secretary, GRIHA Council &amp; 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 Hyderabad, highlighted the grave dangers of the present and way forward for the future.

He conveyed, "Telangana is the youngest state in our country, and we need to work closely with each other to have sustainable growth. *Let us remind ourselves that today we stand in the coldest year of the future & the hottest of the past. Our actions today shape the world we leave behind. We are facing alarming situations due to climate-related disasters, each one more severe than the last. Hence the theme emphasizes accelerated actions to address the situation*".



### Special Address



Speaking on the occasion, **Shri D Radhakrishna Reddy**, Director (Project & Planning), Bangalore Metro Rail Corporation Limited (BMRCL), presented a special address about the contribution of BMRCL to climate action. He emphasized, "*Our commitment to sustainability is reflected in every aspect of our operations. We have incorporated advanced technologies and invested in renewable energy sources to minimize our environmental impact. Our collaboration with GRIHA signifies our shared commitment to advancing sustainable practices in the built environment and reinforces our dedication to accelerating climate action*".

### Inaugural Address

**Shri Duddilla Sridhar Babu**, Hon'ble Minister, Ministry of Information Technology, Electronics & Communications; Industries & Commerce and Legislative Affairs, Government of Telangana in his inaugural address, highlighted the state government's approaches to address climate change. He conveyed, "*Water management is the next big challenge in our country. We are investing to revitalize the MUSI riverfront, which is our dream project. Telangana government has also formulated a policy 'HYDRA' to conserve all the natural streams and water bodies in the state to counter the problem of flooding. Our urban development vision, 'The Future City' project and the Industrial Smart City Project in Zaheerabad emphasizes the crucial role of partnerships, particularly with GRIHA in setting new standards for sustainable City Development. Together, let's drive meaningful change*".





## 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. " *We are expanding our activities beyond the Delhi region to strengthen our presence across India. We eagerly anticipate collaborating closely in this area, as recommended by the Hon'ble Minister.*", she added.



## Vote of Thanks



**Smt. Samhita M**, Founder and Managing Director, Ela Green Buildings & Infrastructure Consultants, stated, "*In the days to come, India will require the ability to develop an economy that is more resilient to disruptions than ever before*". She also added, "*We are proud of the impact we've made, and I congratulate the Telangana government for their committed policies and fast track processes.*"



**Lighting the Lamp ceremony by Hon'ble dignitaries during the Inaugural Session**





Smt. Shabnam Bassi, Shri D. Radhakrishna Reddy, Shri Duddilla Sridhar Babu, Shri Sanjay Seth, & Smt. Samhita M  
(from L to R)

## Key Takeaways: Inaugural Session

- The session addressed the futuristic approach of the Telangana State Government in addressing climate change and emphasizing affordable and environmentally sustainable solutions.
- The session highlighted the essential role of stakeholder involvement in advancing sustainable approaches. The increasing focus on achieving Net Zero in India represents a major step forward in recognizing climate issues and moving beyond past oversights.
- The session emphasized on accelerated actions towards a greener environment by integrating green infrastructure, utilizing sustainable building materials, incorporating efficient water management strategies, and enhancing energy efficiency.
- The session pointed out that the implementation of plans requires robust policy regulations, dedicated funding, continuous research, and strong stakeholder collaboration.

# Plenary Session 1

## Blueprint to Legislation - Policies Shaping Climate Action

The session, titled “**Blueprint to Legislation - Policies Shaping Climate Action**,” convened distinguished experts to discuss about the robust climate action policies in enhancing sustainability in the construction & related processes.



**Shri Sanjay Seth**, Vice President & CEO, GRIHA Council and Senior Director, Sustainable Infrastructure Programme, TERI opened the plenary session by highlighting the significant role of availability of data in open source and facilitating its efficient utilization across all types of buildings. He shared about the world-class Centre of Excellence established by TERI and Mahindra Group to test building material properties.

**Dr. Anirban Ghosh**, Professor & Head, Centre for Sustainability, Mahindra University. He emphasized, *“If a policy mandating green building practices were introduced tomorrow, its success would hinge on having viable alternatives available, and so we initiated the Mahindra TERI Centre of Excellence”*. He also stated *“As Developers, we are committed to promoting green materials at no additional cost, demonstrating that such buildings can even sell faster than conventional ones. Today, there's no logical reason to choose anything other than green. We're prepared for policies that mandate green buildings, as failing to do so causes long-term harm”*.





**Smt. Samhita M**, Founder and Managing Director, Ela Green Buildings & Infrastructure Consultants, opined, *“Adoption of green building practices must originate at the policy level as well as at the implementation level. While awareness of green buildings is widespread, true implementation hinges on policy-driven initiatives. The government has the power to streamline processes, making the built environment more efficient by simplifying these processes, so we can achieve greater efficiency”*. She also added that, *“Telangana has made significant strides in this direction, setting a commendable example of how effective policy can drive sustainable development.”*.

**Shri Ravindra Babu KS**, Superintending Engineer, IIT Hyderabad emphasized the advancing innovative ideas and initiatives that were implemented in the IIT Hyderabad Campus. He emphasized the efficient utilization of resources in the campus project, *“We have focused on vertical growth of built space to reduce building footprint. Additionally, the campus was designed with bioswales to manage runoff water within our campus”* He shared, *“We have planted almost 40,000 trees in less than 2.5 years span for which we received the award from Telangana Government. On a pilot basis, we are developing Miyawaki dense forest which will be expanded in future”*.







Shri Ravindra Babu KS, Shri Sanjay Seth, Smt. Samhita M, and Shri Anirban Ghosh  
(from L to R)

## Key Takeaways: Plenary Session

- The session highlighted the importance of effective climate action that requires a transition from conceptual plans to concrete legislation. Developing robust policies is essential for guiding and implementing climate strategies effectively.
- The session emphasized that embracing green building practices becomes more achievable as the array of alternative options becomes wider and available. Rapid advancements in this sector are crucial to provide viable choices and encourage broader adoption.
- The successful implementation of green building practices depends heavily on policy-driven initiatives and active cooperation from developers. Policies must be established at the governmental level to drive widespread adoption, while developers play a key role in implementing these regulatory frameworks.
- The session highlighted IIT Hyderabad's significant contributions to the green built environment in setting high standards and serving as an exemplary model for neighborhood-level development. Their efforts demonstrate how innovative practices can lead to effective and sustainable local development.
- GRIHA and TERI are developing an infrastructure rating aligning with the vision of Shri Nitin Gadkari Hon'ble Minister for Road Transport and Highways in making highways green and sustainable, thereby reducing carbon emissions.

## Thematic Session 1

### Material Matters Sustainable Choices in Construction

The session, titled “**Material Matters Sustainable Choices in Construction**”, 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.



## MATERIAL MATTERS: SUSTAINABLE CHOICES IN CONSTRUCTION

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**Shri Ankit Bhalla**, Manager, GRIHA Council set the tone of the event and presented on GRIHA Product Catalogue. He underscored that choosing sustainable materials not only impacts the environmental footprint of construction projects but also influences their long-term performance and efficiency. He added that sustainable materials contribute to reducing resource consumption, minimizing waste, and enhancing the overall durability and health of buildings.

**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 sustainable building materials in construction.

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.





**Smt. Neetu Jain**, Managing Director, Panache Green Tech Solutions Pvt. Ltd., emphasized the importance of the cool roofing concept.

She advocated for using the cool roof in the construction and how it benefits the users as well as the environment. She highlighted the concept of Panache Green Tech Solutions' cool roof product and discussed the manufacturing details.

**Shri. Tarun Jami**, Founder & Chief Executive Officer, GreenJams, underscored the importance of carbon footprint reduction on green building concepts.

He emphasized the need to utilize carbon neutral materials and about empowering local communities in manufacturing them. He discussed about his carbon negative building material 'Agrocrete' and emphasized on adopting benchmarks for embodied carbon of building materials.



**Shri Mohit Agarwal**, Founder, Vinayak Industries, highlighted the importance of ethical practices from manufacturers. He also said that incorporating performance-based criteria into green rating systems ensures effective sustainability measures. Regular rechecks are crucial for maintaining standards. He suggested, *"Manufacturers should focus on innovative solutions to transform the industry. Streamlining processes and structures is key, and ongoing certification and revaluation are necessary to ensure continued compliance with sustainability goals"*.







Smt. Neetu Jain, Smt. Shabnam Bassi, Shri Tarun Jami, and Shri Mohit Agarwal (From L to R)

## Key Takeaways: Thematic Session 1

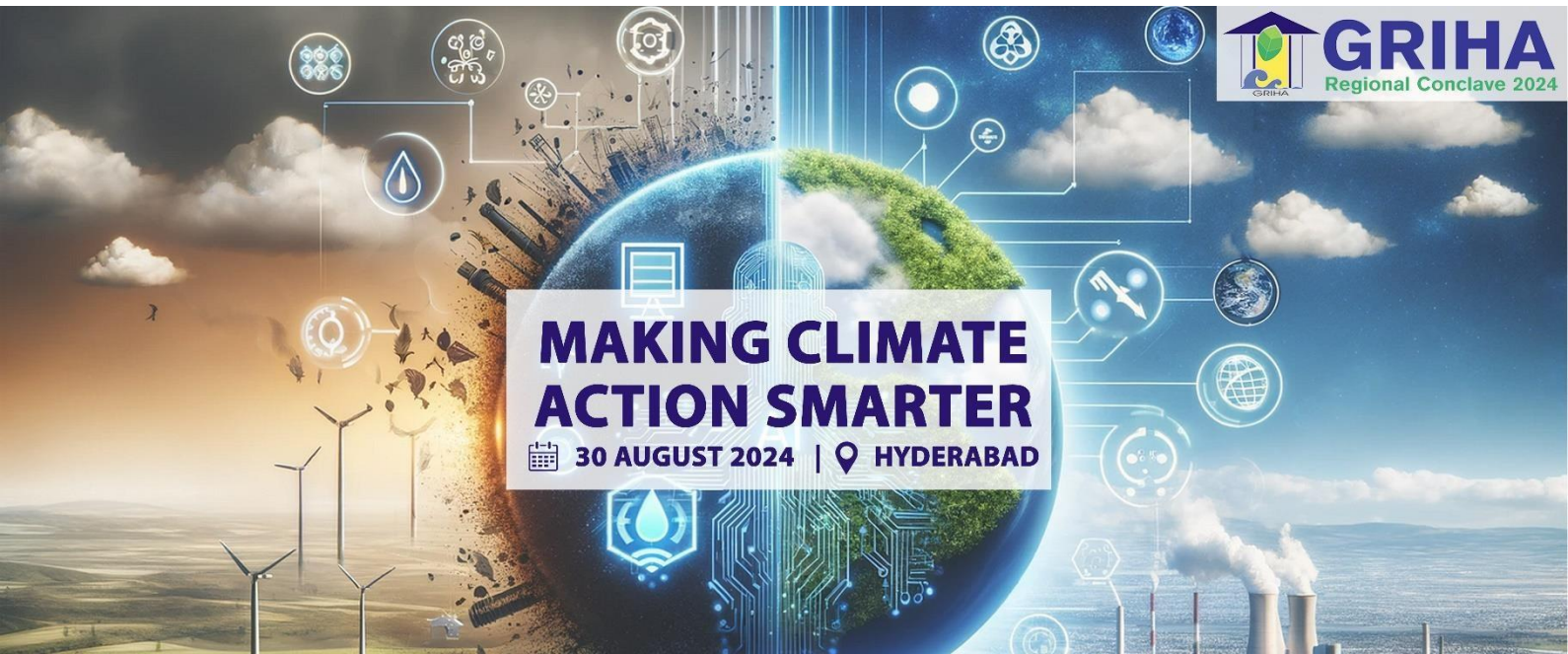
- The session underscored the importance of adopting green building materials to promote a sustainable built environment that ensures the longevity of structures.
- The session showcased advanced technological practices that offer alternatives to traditional building materials, which have been significant contributors to carbon emissions.
- Emphasis was placed on the need for building professionals, developers, builders, and especially end users to be educated about green building materials. Encouraging the use of these sustainable alternatives can enhance environmental benefits and improve overall human well-being.
- The session also highlighted that the valuation of green building materials should account for both the embodied carbon in the materials and their long-term performance.



## Thematic Session 2

### Making Climate Action Smarter

The session, titled “**Making Climate Action Smarter**,” convened distinguished experts to deliberate on the present-day requirement to embrace the technological advancements & data-driven approach for holistic sustainable development in buildings & infrastructure.



**Dr. Rajkiran V Bilolikar**, Professor, Centre for Energy Studies at Administrative Staff College of India (ASCI) highlighted India's advancement in technological development ranging in various topics like energy conservation and in mitigating Urban Heat Island (UHI). The discussion emphasized how these advancements contribute to addressing key climate change challenges and driving progress in sustainable practices.

**Smt. Vijayadurga Koppiseti**, Founder & Chief Executive Officer, Architude BIM (Building Information Modelling) Services, underscored, *“BIM is often utilized to achieve green labels, but sustainable practices can sometimes face challenges related to cost and maintenance. BIM offers a solution by improving efficiency and addressing these issues.”* She added, *“Leveraging government subsidies can support startups in this price-sensitive market, facilitating the adoption of advanced sustainable practices.”*





**Shri. Ramesh Samala**, Regional Lead-IBMS, Digital Energy BU, Digital Buildings, Schneider Electric, emphasized the need for technological interventions in the built environment and infrastructure. He advocated that, *“Automation technology plays a crucial role in optimizing energy usage and reducing wastage, especially in HVAC systems. Without such technology, tracking and managing energy consumption becomes challenging. Effective monitoring and control, supported by analytics, are essential. Schneider's EcoStructure, for instance, detects issues and offers solutions within buildings, while AI enables self-learning capabilities. As systems become more decentralized, there's a need for greater awareness and improved utilization of available technology in India”*.

**Dr. Nina Lazar**, Assistant Professor, School of Architecture, Vellore Institute of Technology, underscored, *“Digital technology in building design underscores the importance of industry collaboration. Discussions with GRIHA, BIM, Autodesk, and others have led to the creation of a comprehensive syllabus, with regular updates. Software now plays a crucial role in design, offering students opportunities to explore tools and connect with industry professionals. Addressing the gap between academia and industry is a priority, and VIT is actively working to bridge this divide”*.



**Shri Akash Deep**, Deputy General Manager and Treasurer, GRIHA Council, highlighted, *“In India, data is crucial for decarbonizing habitats and managing carbon emissions. Effective data collection in the carbon market helps understand emissions and in leveraging the available tools. Accurate measurement is essential for progress, and maintaining certification standards relies on continuous data collection and improvement. I'm delighted to share that data retrieved from one of our projects from past 3 years, confirms that our measures have improved the water table.”*





**Shri. Ramesh Samala, Smt. Vijayadurga Koppiseti, Dr. Rajkiran V. Bilolikar, Dr. Nina Lazar and Shri Akash Deep (From L to R)**

## Key Takeaways: Thematic Session 2

- The session emphasized that technological advancements and data-driven approaches are vital in the built environment for future generations.
- The session pointed out that integrated and interdisciplinary strategies which include Building Information Modeling, Artificial Intelligence, Automation Technologies, IoTs etc. are indispensable in the present and future construction industry to ensure efficient utilization of the resources.
- The session highlights the economic benefits of the integration of technological advancements in the construction industry and leveraging existing tools like BIM.
- The session concluded that data integrated through AI is the key to managing all forms of resources efficiently.

## Valedictory Session

### Welcome Remarks



**Shri Sanjay Seth**, Vice President & CEO, GRIHA Council and Senior Director, Sustainable Infrastructure Program, TERI, delivered welcome remarks and highlighted the key takeaways from the event. He recollected the valuable discussions conducted on various dimensions of sustainability from policy frameworks to smart technologies, all aimed at building a future, where our infrastructure is resilient, sustainable and inclusive.

### Special Address



**Shri. T Gopalakrishna**, Deputy Commissioner, Navodaya Vidyalaya Samiti, Regional Office, Hyderabad, Ministry of Education, Government of India. In his special address, he highlighted *“The partnership with GRIHA, can empower children to become brand ambassadors for sustainability. Enhancing land availability and developing suitable infrastructure is vital for mitigating climate change in the built environment. This collaboration between NVS and GRIHA Council aims to achieve key sustainability goals through education and infrastructure improvements”*.

### Special Address



**Dr Madhumathi A**, Director, School of Architecture (V-SPARC), Vellore Institute of Technology, Vellore, Tamil Nadu, India shared, *“Sustainable design and construction practices significantly cut carbon footprints, thereby lessening environmental impact. Addressing climate change is critical; our designs must account for extreme weather, sea-level rise, and heat islands to ensure resilience. The MoU between GRIHA and VIT aims to advance climate action and enrich educational programs to prepare future professionals for these challenges”*.

## Valedictory Address



**Smt. Hari Chandana Dasari, IAS**, Special Secretary to Government, Roads and Buildings Department, Government of Telangana, delivered the valedictory address. She praised the conclave on sustainable initiatives as a significant step forward.

*She highlighted, “Historically, building designs were sustainable in our country due to utilization of local materials. However, there is a risk of losing this rich knowledge due to conventional construction practices today. Waste is another area where mismanagement is rampant in our society and tackling these issues has been my priority in the recent past. While the government can set regulations, public participation is crucial for effective waste management. I strongly recommend integrating our actions and adopting innovative ways to reduce, reuse and recycle”.*

## 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, Hyderabad. She invited the gathering for the upcoming GRIHA Regional Conclave in Jaipur followed by the annual national 16<sup>th</sup> GRIHA Summit in New Delhi.



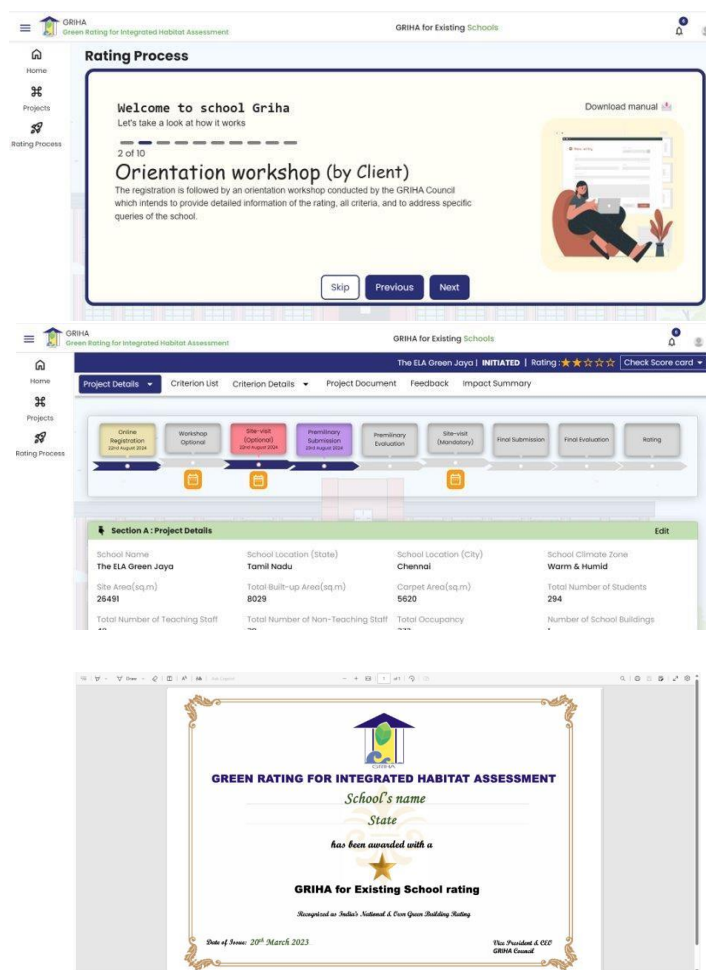
## Key Takeaways: Valedictory Session

- The session highlighted the role of GRIHA Council in empowering children as sustainability advocates.
- Sustainable design and construction practices, focusing on energy efficiency and eco-friendly materials, are crucial for reducing carbon footprints and improving occupant well-being.
- The MoU between GRIHA and VIT aims to advance climate action and to bridge the gap between students' knowledge and industry practices.
- The session also noted the shift from traditional to modern designs, the importance of managing waste, and the necessity of public participation and stakeholder input for effective sustainability efforts in Hyderabad.

# Launch of GRIHA Online Tool

## GRIHA for Existing School Online Panel

The “**GRIHA for Existing School Online Panel**” was launched during the conclave. It is a digital panel well equipped with calculators that contain pre-fed data, allowing students and teachers to work collaboratively to meet the rating requirements. This panel is specially tailored for student use, incorporating engaging features such as quick tips, educational games, tutorial videos, definitions, and interactive animations thereby, making the evaluation process more interesting and enhancing their understanding of sustainability.



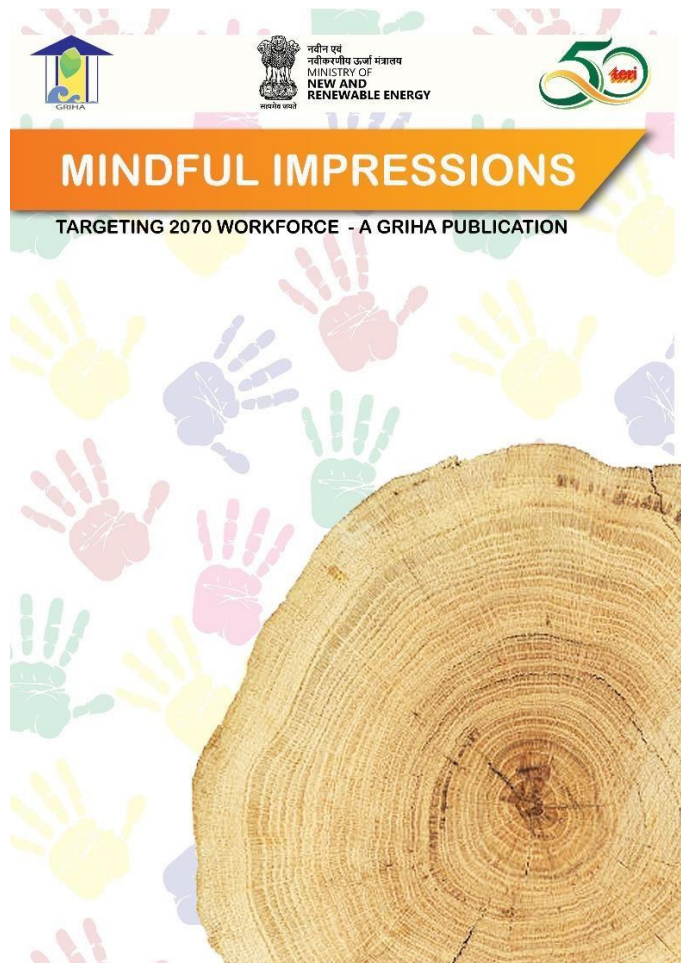
A GRIHA Council Online Tool – GRIHA for Existing School Online Panel was launched during the Inaugural session of GRIHA Regional Conclave, Hyderabad



## Release of GRIHA Publication

### Mindful Impressions- Targeting 2070 Workforce

A manual on “**Mindful Impressions- Targeting 2070 Workforce**” was released during the conclave. It is a compilation of the sustainable initiatives undertaken by the schools of Navodaya Vidyalaya Samiti in the fields of energy efficiency, renewable energy integration, waste and water management, health and hygiene, occupant comfort etc. with an intent to reduce their carbon and ecological footprint.



**A GRIHA Council Publication – Mindful Impressions: Targeting 2070 Workforce was released during the inaugural session of GRIHA Regional Conclave, Hyderabad**

## Signing of Memorandum of Understanding (MoU)



**A Memorandum of Understanding was signed between GRIHA Council and Bangalore Metro Rail Corporation Limited (BMRCL) by Shri Sanjay Seth, VP & CEO, GRIHA Council & Shri. Aashish K Kapoor, Chief Architect (Planning & Design), Bangalore Metro Rail Corporation Limited (BMRCL)**



**A Memorandum of Understanding was signed between GRIHA Council and Vellore Institute of Technology (VIT) by Shri Sanjay Seth, VP & CEO, GRIHA Council & Dr Madhumathi A, Director, School of Architecture (V-SPARC), Vellore Institute of Technology, Vellore, Tamil Nadu, India**

## GRIHA Felicitation Ceremony

S.No.	State	Name of the Project	Rating Variant	Rating Achieved
1	Tamil Nadu	Ela Green School, Chengalpattu	GRIHA for Existing School (GRIHA ES)	5 Star
2	Andhra Pradesh	PM SHRI School Jawahar Navodaya Vidyalaya Krishnapuram, Nellore	GRIHA for Existing School (GRIHA ES)	5 Star
3	Andhra Pradesh	PM SHRI School Jawahar Navodaya Vidyalaya, Anantapur	GRIHA for Existing School (GRIHA ES)	5 Star
4	Andhra Pradesh	PM SHRI School Jawahar Navodaya Vidyalaya East Godavari - I	GRIHA for Existing School (GRIHA ES)	5 Star
5	Andhra Pradesh	Jawahar Navodaya Vidyalaya Vennelavalasa, Srikakulam	GRIHA for Existing School (GRIHA ES)	5 Star
6	Andhra Pradesh	PM SHRI School Jawahar Navodaya Vidyalaya Banavasi, Krishna	GRIHA for Existing School (GRIHA ES)	4 Star
7	Andhra Pradesh	PM SHRI School Jawahar Navodaya Vidyalaya Banavasi Kurnool	GRIHA for Existing School (GRIHA ES)	4 Star
8	Andhra Pradesh	Jawahar Navodaya Vidyalaya, Guntur	GRIHA for Existing School (GRIHA ES)	4 Star
9	Andhra Pradesh	PM SHRI School Jawahar Navodaya Vidyalaya, Bowdara	GRIHA for Existing School (GRIHA ES)	4 Star
10	Andhra Pradesh	PM SHRI Jawahar Navodaya Vidyalaya Prakasam I	GRIHA for Existing School (GRIHA ES)	4 Star
11	Andhra Pradesh	PM SHRI School Jawahar Navodaya Vidyalaya Prakasam II	GRIHA for Existing School (GRIHA ES)	4 Star
12	Andhra Pradesh	Jawahar Navodaya Vidyalaya Eluru	GRIHA for Existing School (GRIHA ES)	4 Star
13	Telangana	PM SHRI School Jawahar Navodaya Vidyalaya, Nalagonda	GRIHA for Existing School (GRIHA ES)	4 Star
14	Telangana	Super Specialty Block- Kakatiya Medical College, Warangal	GRIHA Provisional	3 Star
15	Telangana	IIT Hyderabad Campus Development Project (Health Care Centre)	SVA GRIHA	3 Star



# GRIHA Rated Projects









# Cultural Evening





## GRIHA Green Building Tour

### Civil Aviation Research Organization, Hyderabad

GRIHA Council conducted a Green Building Tour of the Civil Aviation Research Organization (CARO) project in Hyderabad on August 31, 2024. The Airports Authority of India (AAI) is setting up a world-class Civil Aviation Research Organization (CARO) aimed at finding Indigenous solutions to meet the challenges posed by the growing air traffic and enhance the safety, capacity, and efficiency of aircraft operations in the country. The project is aspiring for GRIHA rating and the green building tour provided exposure to the participants on green building strategies incorporated by the project. 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 Civil Aviation Research Organization (CARO), Hyderabad, Telangana**



## Way Forward - Action Points

The GRIHA Regional Conclave in Hyderabad, centred on "Accelerating Climate Action in the Built Environment," yielded a comprehensive set of insights and action points crucial for advancing sustainable practices. The session underscored the Telangana State Government's forward-thinking approach to climate change, emphasizing the importance of affordable and environmentally sustainable solutions. This approach reflects a significant step forward in recognizing and addressing climate issues while moving beyond past oversight.

Aligning with the suggestion of the Hon'ble Minister, Ministry of and other eminent dignitaries present at the conclave, it is proposed that GRIHA Council can closely work with the state government with an intent to extend the green habitat initiative through:

- **Advocacy:**

- Facilitate the **adoption of green building practices** through GRIHA ratings and certifications.
- Collaborate in the development of the **Future City Project** under the leadership of the Hon'ble Chief Minister of Telangana. Enabling the development of resilient and efficient cities of Telangana, GRIHA Council can facilitate building net zero carbon impact cities based on comprehensive and inclusive standards and processes for sustainable urban development.
- Work with the Government of Telangana in the establishment of the **new Industrial Smart City in Zaheerabad**, Sangareddy district, Telangana under the National Industrial Corridor Development Programme. GRIHA Council through its technical expertise and knowledge support can contribute to further our commitment to sustainability by integrating green practices into industrial development whilst boosting economic growth and creating green jobs.

- **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, end-users etc.



# GRIHA Regional Conclave in News



**sridhar babu: త్వరిత రహిత సగరంగా పూర్వచరీ సీటీ**

తమ ప్రభుత్వం ఏర్పాటు చేయబోయే 'పూర్వచరీ సీటీ' అభివృద్ధిని ద్వారా త్వరిత రహిత సగరంగా రూపొందించుకుంటుంది అనే పరిశ్రమల మంత్రి దుద్దిళ్ల శ్రీధర్ బాబు తెలిపారు.

Published : 31 Aug 2024 03:44 (IST)

సహజ వనరుల పునరుద్ధరణ కోసమే 'గ్రూప్' సహజ వనరుల మంత్రి శ్రీధర్ బాబు

'గ్రూప్' సహజ వనరుల మంత్రి శ్రీధర్ బాబు



సహజ వనరుల పునరుద్ధరణ కోసమే 'గ్రూప్' సహజ వనరుల మంత్రి శ్రీధర్ బాబు. దక్షిణాన మంత్రి శ్రీధర్ బాబు, మెట్టో రైల్వే రోడ్డు వద్ద 'గ్రూప్' సహజ వనరుల మంత్రి శ్రీధర్ బాబు

ఈనాడు, హైదరాబాద్: తమ ప్రభుత్వం ఏర్పాటు చేయబోయే 'పూర్వచరీ సీటీ' అభివృద్ధిని ద్వారా త్వరిత రహిత సగరంగా రూపొందించుకుంటుంది అనే పరిశ్రమల మంత్రి దుద్దిళ్ల శ్రీధర్ బాబు తెలిపారు. పూర్వచరీ సీటీ నిర్మాణానికి సాంకేతిక సహకారం అందించాల్సిందిగా మహారాష్ట్ర యూనివర్సిటీలో కోరామని, 'గ్రూప్' సంస్థ కూడా చేతులు కలిపి పర్యావరణ హిత సగరాలకు రోజువారీ సహకారం అందించాలని కోరారు. ఇదంతా కొత్త డిజైన్లకు, స్మార్ట్ సిటీలకు అభివృద్ధికి తోడ్పడుతుందన్నారు. శుక్రవారం బంజారాహిల్స్ లో జరిగిన 'గ్రూప్' పర్యావరణ సంస్థ నిర్వహించిన యాక్టివేటింగ్ క్వేమెట్ యాక్షన్ ఆన్ ద దిర్ట్ ఎన్విరాన్మెంట్ సదస్సులో ఆయన ప్రసంగించారు. 'ప్రకృతి ప్రసాదించిన సహజ వనరులను రక్షించుకోవడం పర్యావరణ విద్యుత్ సాంకేతిక దారి తీస్తుంది. నదులు, చెరువులు, వాగులు, అడవులు... ఇవన్నీ మానవాళి మనుగడకు అవసరమైనవే. మనం ఒక్కొక్కటి అభివృద్ధిని సాధించాలి. అదే సమయంలో పర్యావరణానికి నష్టం తగ్గిస్తున్నాం. దీనివల్ల అభివృద్ధి తో పాటు... తన కారణానికి కూడా అపార నష్టం జరుగుతోందని ఇప్పటికే ప్రపంచ దేశాలన్నీ గుర్తించాయి. వేగంగా జరుగుతున్న పర్యావరణ మార్పులను నియంత్రించేందుకు వ్యక్తిగత స్థాయిలో, ప్రభుత్వ వరంగా చర్యలు తీసుకోవాల్సి ఉంది. చెరువులు, నాళాలు, నదులను కాపాడేందుకే సీఎం రేవంత్ రెడ్డి నాయకత్వంలోని తమ ప్రభుత్వం 'క్లౌడ్' విభాగాన్ని ఏర్పాటు చేసి దిద్దుబాటు చర్యలకు డివైజుమింది. నాళాలు, చెరువులు అక్రమణలకు గురికావడం వల్ల వరద నీటి ముంపు సమస్య తలెత్తుతోంది. నిర్లక్ష్యం చేస్తే ఈ సమస్య మరింత తీవ్ర రూపం దాల్చి పరిస్థితి చేయి దాటి పోతుంది' అని మంత్రి శ్రీధర్ బాబు అంటే తన వ్యక్తం చేశారు. ఈ సందర్భంగా సీఎం రేవంత్ రెడ్డి నాయకత్వంలోని తమ ప్రభుత్వం 'క్లౌడ్' విభాగాన్ని ఏర్పాటు చేసి దిద్దుబాటు చర్యలకు డివైజుమింది. నాళాలు, చెరువులు అక్రమణలకు గురికావడం వల్ల వరద నీటి ముంపు సమస్య తలెత్తుతోంది. నిర్లక్ష్యం చేస్తే ఈ సమస్య మరింత తీవ్ర రూపం దాల్చి పరిస్థితి చేయి దాటి పోతుంది' అని మంత్రి శ్రీధర్ బాబు అంటే తన వ్యక్తం చేశారు. ఈ సందర్భంగా సీఎం రేవంత్ రెడ్డి నాయకత్వంలోని తమ ప్రభుత్వం 'క్లౌడ్' విభాగాన్ని ఏర్పాటు చేసి దిద్దుబాటు చర్యలకు డివైజుమింది. నాళాలు, చెరువులు అక్రమణలకు గురికావడం వల్ల వరద నీటి ముంపు సమస్య తలెత్తుతోంది. నిర్లక్ష్యం చేస్తే ఈ సమస్య మరింత తీవ్ర రూపం దాల్చి పరిస్థితి చేయి దాటి పోతుంది' అని మంత్రి శ్రీధర్ బాబు అంటే తన వ్యక్తం చేశారు.



## GRIHA council: Accelerating climate action in built environment

Business : GRIHA council: Accelerating climate action in built environment



By Correspondents

September 1, 2024



Hyderabad: GRIHA Council hosted its 2nd GRIHA Regional Conclave in Hyderabad, Telangana on Friday around the theme 'Accelerating Climate Action in the Built Environment'. This was the second in the series of conclaves that are planned throughout the year, lining up with the annual GRIHA Summit, all centered around the same theme. The event was graced by the presence of Shri. Sridhar Babu Duddilla, Hon'ble Minister, Information Technology, Electronics & Communications; Industries & Commerce and Legislative Affairs, Government of Telangana.

The Hon'ble minister emphasized on the escalated pace of climate change and the need to sensitise ourselves to combat it, to secure the lives of our future generations. He shared about one of the initiatives of the Telangana government - the HYDRA policy - which is to conserve all the natural streams, water bodies and natural streams in the state to counter the problem of flooding, which is inevitably a result of rapid urbanization.

TG : కార్పనరహితంగా పూర్వచరీ సీటీ నిర్మాణం : మంత్రి శ్రీధర్ బాబు



By - Manikantha | 31 Aug 2024 7:15 PM

సహజ వనరులను రక్షించుకోవడం పర్యావరణ విద్యుత్ సాంకేతిక దారి తీస్తుందని ఐటీ శాఖ మంత్రి దుద్దిళ్ల శ్రీధర్ బాబు హెచ్చరించారు. నదులు, చెరువులు, వాగులు, అడవులు మానవాళి మనుగడకు అవసరమైనవేనన్నారు. శుక్రవారం బంజారాహిల్స్ లో జరిగిన గ్రూప్ పర్యావరణ సంస్థ నిర్వహించిన సదస్సులో ఆయన మాట్లాడారు. చెరువులు, వర్షపు నీటి నాళాలు కట్టాకు గురికాకుండా అడ్డుకునేందుకే సీఎం రేవంత్ 'క్లౌడ్'ను ఏర్పాటు చేశారన్నారు. నాళాలు, చెరువులు అక్రమణలకు గురికావడం వల్ల వరద నీటి ముంపు సమస్య తలెత్తుతోందని శ్రీధర్ బాబు తెలిపారు. రాష్ట్ర ప్రభుత్వం ఏర్పాటు చేయబోయే పూర్వచరీ సీటీ. లేకుండా ఉన్నా అభివృద్ధిని సాధించాలి. అదే సమయంలో పర్యావరణానికి నష్టం తగ్గిస్తున్నాం. దీనివల్ల అభివృద్ధి తో పాటు... తన కారణానికి కూడా అపార నష్టం జరుగుతోందని ఇప్పటికే ప్రపంచ దేశాలన్నీ గుర్తించాయి. వేగంగా జరుగుతున్న పర్యావరణ మార్పులను నియంత్రించేందుకు వ్యక్తిగత స్థాయిలో, ప్రభుత్వ వరంగా చర్యలు తీసుకోవాల్సి ఉంది. చెరువులు, నాళాలు, నదులను కాపాడేందుకే సీఎం రేవంత్ రెడ్డి నాయకత్వంలోని తమ ప్రభుత్వం 'క్లౌడ్' విభాగాన్ని ఏర్పాటు చేసి దిద్దుబాటు చర్యలకు డివైజుమింది. నాళాలు, చెరువులు అక్రమణలకు గురికావడం వల్ల వరద నీటి ముంపు సమస్య తలెత్తుతోంది. నిర్లక్ష్యం చేస్తే ఈ సమస్య మరింత తీవ్ర రూపం దాల్చి పరిస్థితి చేయి దాటి పోతుంది' అని మంత్రి శ్రీధర్ బాబు అంటే తన వ్యక్తం చేశారు.



**ABN ఆంధ్రజ్యోతి**

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HOME » TELANGANA » UDDALLA SRIDHAR BABU EMPHASIZES ENVIRONMENTAL PROTECTION AT SUSTAINABILITY SEMINAR

**Sridhar Babu: సహజ వనరుల రక్షణ కోసమే హైద్రా**

ABN, Publish Date - Aug 31, 2024 | 03:50 AM

ప్రకృతి ప్రసాదించిన సహజ వనరులను రక్షించుకోలేక దోతే అది పర్యావరణ విధ్వంసానికి దారి తీస్తుందని మంత్రి దుర్గి శ్రీధర్ బాబు అన్నారు.



• జీరో కార్బన్ నగరంగా ఘానర్ నీటి: మంత్రి శ్రీధర్ బాబు

హైదరాబాద్, ఆగస్టు 30(ఆంధ్రజ్యోతి): ప్రకృతి ప్రసాదించిన సహజ వనరులను రక్షించుకోలేక దోతే అది పర్యావరణ విధ్వంసానికి దారి తీస్తుందని మంత్రి దుర్గి శ్రీధర్ బాబు అన్నారు. సమయం, చెరువులు, వాగులు, అడవులు ప్రతిదీ మానవాళి మనుగడకు అవసరమేనని పేర్కొన్నారు. "గ్నాప" అనే పర్యావరణ సంస్థ కుత్రవారం ఇక్కడ నిర్వహించిన సదస్సులో శ్రీధర్ బాబు ఈ మేరకు మాట్లాడారు.

**సహజ వనరుల పునరుద్ధరణ కోసమే హైద్రా : మంత్రి శ్రీధర్ బాబు**

by M.Rajitha | 31 Aug 2024 9:18 PM



**దిశ, తెలంగాణ బ్యూరో :** ప్రకృతి ప్రసాదించిన సహజ వనరులను రక్షించుకోలేక పర్యావరణ విధ్వంసానికి దారి తీస్తుందని బీజేపీ పరిశ్రమల మంత్రి దుర్గి శ్రీధర్ బాబు హైదరాబాద్, సమయం, చెరువులు, వాగులు, అడవులు ప్రతిదీ మానవాళి మనుగడకు అవసరమేనని అన్నారు. కుత్రవారం ఇంకా హైద్రాద్ లో జరిగిన 'గ్నాప' పర్యావరణ సంస్థ నిర్వహించిన సదస్సులో అయిన మాట్లాడారు. అభివృద్ధిలో పాటు జీవాలరక్షణ అపార సమయం ఇవ్వలేదని ఇప్పటికే ప్రపంచ రేణు అన్నీ గుర్తించాయని తెలిపారు. బేగంగా జరుగుతున్న పర్యావరణ హత్యలను నియంత్రించేందుకు పట్టిక స్థాయిలో, ప్రభుత్వ పరంగా నియంత్రణ చర్యలు తీసుకోవాల్సి ఉందని సూచించారు. చెరువులు, వద్దపు నీటి నాళాలు, సమయం కాపాడేందుకే నీటిం రేపంకే రెడ్డి అభ్యర్థనలో రాష్ట్ర ప్రభుత్వం 'హైద్రా' విభాగాన్ని ఏర్పాటు చేసి దిద్దుబాటు చర్యలకు పూనుకుంటోందన్నారు. నాళాలు, చెరువులు అభివృద్ధి అవుతున్నాయి గురికావడం వల్ల వరద నీటి ముంపు సమస్య తలెత్తుతోందని తెలిపారు.

Also Read - 2వ, తెలంగాణకు విశాలం ప్రకటించిన రాష్ట్ర వరద

రాష్ట్రప్రభుత్వం ఏర్పాటు చేయబోయే ఘానర్ నీటి అభివృద్ధి విభాగానికి కార్యనిర్వహణ (జీరో కార్బన్) నగరంగా రూపొందించుకుందని చెప్పించారు. ఘానర్ నీటి నిర్మాణానికి సాంకేతిక సహకారం అందించాలని మహింద్రా యూనివర్సిటీని కోరామన్నారు. బది కొత్త ఉద్యోగాల సృష్టికి, స్థిరమైన అభివృద్ధికి తోడ్పడుతుందని చెప్పించారు. వెంగళూరు పెట్లో రైల్వే ప్రాజెక్ట్, రైలెక్ట్ రాధాకృష్ణ రెడ్డి, సంఘం నీటి, ముదా వన్నీ పొట్టొచ్చాయి.

**GRIHA | MEET** Minister urges builders to work with govt to protect environment

**Sridhar Babu for eco-friendly buildings**

DC CORRESPONDENT HYDERABAD, AUG. 30

All waterbodies are directly connected with our survival and their destruction will lead to environmental calamity, said IT and Industries minister D. Sridhar Babu on Friday while addressing the 2nd GRIHA regional conclave on the theme of 'Accelerating Climate Action in the Built Environment'.

GRIHA stands for Green Rating for Integrated Habitat Assessment, which is a rating tool that assesses the performance of the buildings against nationally acceptable benchmarks.

Sridhar Babu said all the developed and developing nations have recognised that the current pace of haphazard growth was affecting nature. People and governments need to work collectively to check the environmental damage.

"Chief Minister A. Revanth Reddy formed the Hyderabad Disaster Response and Assets Monitoring Protection Agency (HYDRAP) to preserve the water bodies, state-of-the-art facilities and government had requested Mahindra University to provide technical cooperation to help preserve the environment. Bengaluru Metro Rail director D. Radhakrishna Reddy said they had been fulfilling all the power requirements by generating 20 MW of solar power across all the metro stations.

On the occasion, Sridhar Babu released the GRIHA publication 'Mindful Impressions Targeting 2070 Workforce, a compilation of sustainable initiatives undertaken by the schools of Navodaya Vidyalaya Samiti. GRIHA representatives Sanjay Seth and Shabana Bassi also spoke.

including the tanks, ponds, streams and rivers. The encroachment of water bodies is leading to frequent floods. If ignored, it would pose a major problem in the coming days," he explained.

The minister said the proposed Future City would be a zero-carbon city with

IT and Industries minister D. Sridhar Babu takes part in GRIHA regional conclave at Park hotel on Friday.


—K. DURGA RAO



## కర్చన రహిత నగరంగా ప్యూచర్ సిటీ

- సహజ వనరుల పునరుద్ధరణ కోసమే హైద్రా
- 'గృహ' సదస్సులో మంత్రి శ్రీధర్బాబు

ఈనాడు, హైదరాబాద్: తమ ప్రభుత్వం ఏర్పాటు చేయబోయే 'ప్యూచర్ సిటీ' అత్యాధునిక టెక్నాలజీలతో కర్చన రహిత నగరంగా రూపొందుతుందని ఇటీవల శ్రీధర్బాబు మంత్రి దుద్దిళ్ల శ్రీధర్బాబు తెలిపారు. ప్యూచర్ సిటీ నిర్మాణానికి సాంకేతిక సహకారం అందించాల్సిందిగా మహేంద్రా యూనివర్సిటీని కోరామని, 'గృహ' సంస్థ కూడా చేతులు కలిపి పర్యావరణ హిత నగరానికి దోహదపడాలని కోరారు. ఇదంతా కొత్త ఉద్యోగాల సృష్టికి, స్థిరమైన అభివృద్ధికి తోడ్పడుతుందన్నారు. శుక్రవారం బంజారాహిల్స్ లో జరిగిన 'గృహ' పర్యావరణ సంస్థ నిర్వహించిన యాక్సిలరేటింగ్ కైమేట్ యాక్షన్ ఇన్ ద బిల్డ్ ఎన్విరాన్మెంట్ సదస్సులో ఆయన ప్రసంగించారు. "ప్రకృతి ప్రసాదించిన సహజ వనరులను రక్షించుకోకపోతే పర్యావరణ దివస్సానికి దారి తీస్తుంది. నదులు, చెరువులు, వాగులు, అడవులు.. ఇవన్నీ మానవాళి మనుగడుకు అవసరమైనవే. మనం ఒకవైపు అభివృద్ధిని సాధించాం, అదే సమయంలో పర్యావరణానికి నష్టం కలిగిస్తున్నాం. దీనివల్ల అభివృద్ధిలో పాటు.. జీవ కారు జ్యానికి కూడా అపార నష్టం జరుగుతోందని ఇప్పటికే ప్రపంచ దేశాలన్నీ గుర్తించాయి. వేగంగా జరుగుతున్న పర్యావరణ మార్పులను నియంత్రించేందుకు వ్యక్తిగత స్థాయిలో, ప్రభుత్వ పరంగా చర్యలు తీసుకోవాల్సి



సదస్సును ప్రారంభించిన మంత్రి శ్రీధర్బాబు, చిత్రంలో బెంగళూరు మెట్రో డైరెక్టర్ రాధాకృష్ణారెడ్డి, 'గృహ' ప్రతినిధులు సంజయ్ సేథ్, షుభనా బిస్సీ

ఉంది. చెరువులు, నాలాలు, నదులను కాపాడేందుకే సీఎం రేవంత్ రెడ్డి నాయకత్వంలోని తమ ప్రభుత్వం 'హైద్రా' విభాగాన్ని ఏర్పాటు చేసి దిద్దుబాటు చర్యలకు ఉపక్రమించింది. నాలాలు, చెరువులు ఆక్రమణలకు గురికావడం వల్ల వరద నీటి ముంపు సమస్య తలెత్తితోంది. నిర్లక్ష్యం చేస్తే ఈ సమస్య మరింత తీవ్రరూపం చాల్చి పరిస్థితి చేయి చాటి పోతుంది" అని మంత్రి శ్రీధర్బాబు అందోళన వ్యక్తం చేశారు. ఈ సందర్భంగా సవోదయ విద్యాసమితి సంస్థలు రూపొందించిన 'సస్టెయినబుల్ ఇనిషియేటివ్స్' అనే సంకలనాన్ని మంత్రి అవిష్కరించారు. బెంగళూరు మెట్రో డైరెక్టర్ రాధాకృష్ణారెడ్డి మాట్లాడుతూ.. తమ ఆవసరాలకు తగిన స్థాయిలో పునరుద్ధాదన ఇవ్వ నాన్ని సోలార్ ఎనర్జీ రూపంలో తయారు చేసుకుంటున్నామని తెలిపారు. గృహ సంస్థ ప్రతినిధులు సంజయ్ సేథ్, షుభనా బిస్సీ తదితరులు ప్రసంగించారు.



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HYDERABAD TELANGANA REUTERS SUNDAY, SEPTEMBER 1, 2024

## GRIHA Council hosted its second regional conclave in Hyderabad on 30 August 2024 to "Accelerate Climate Action in the Built Environment".




By ONIR CORRESPONDENT  
Hyderabad, September 1: GRIHA Council hosted its 2nd GRIHA Regional Conclave in Hyderabad, Telangana on 30th August 2024 centered around the theme "Accelerating Climate Action in the Built Environment". This was second in the series of conclaves that are planned throughout the year, lining up with the annual GRIHA Summit, all centered around the same theme. The event was graced by the presence of Shri. Krishna Babu Dasabilla, Hon. Minister, Information Technology, Electronics & Communications, Industries & Commerce and Legislative Affairs, Government of Telangana. The Hon. Minister emphasized on the need to accelerate climate change and the need to sustain ourselves to combat it, to secure the lives of our future generations. He shared about one of the initiatives of the Telangana government - the HYDRAPOLICY - which is to conserve all the natural resources, water bodies and natural reserves in the state to counter the problem of flooding, which is inevitably a result of rapid urbanization. The technical sessions shared cutting-edge insights by experts on the pivotal role that is played by policymakers and implementation of these policies, integration of "smart" in the various aspects of infrastructure development and shifting focus from conventional building materials to low carbon alternatives. Shri. Harichandana Dasari, IAS, Special Secretary to Government, Roads and Buildings Department, Government of Telangana, highlighted that buildings should be designed by harnessing the traditional wisdom and learnings from our rich history, where past structures were built keeping sustainability and relevance to regional context as core principles. "Development cannot happen at the cost of the environment. Let us remind ourselves that we are standing in the hottest year of the past, and hottest year of the future. We need to build infrastructure that is in tandem with climate action. GRIHA Council is committed to acting as a catalyst in this journey," said Shri. Sanjay Seth, Vice President & Chief Executive Officer, GRIHA Council & Senior Director, Sustainable Infrastructure Programmes. The Energy Efficiency Institute (TEEI), a public-institutional "Mindful Impressions - Targeting 2075 Workforce" was launched at the event showcasing a compilation of the environmental impact of Indian Navy's Vidyalyaya (NVS) campaign across the country. In his address, Shri. T. Gopalkrishna, Deputy Commissioner, Nivedya Vidyalyaya, Samiti, Regional Office, Hyderabad, Ministry of Education, Government of India, commended GRIHA Council's initiative to involve the school children of NVS as brand ambassadors to achieve the key goals of sustainability. An online test on GRIHA for Engineering Students (GRIHA-EST) began the day launched during the event. GRIHA Council signed two Memorandums of Understanding during the event, one with Bangalore Metro Rail Corporation Limited (BMRC), represented by Shri. Ashish Kapoor, Chief Architect, BMRC, and one with Vellore Institute of Technology, represented by Dr. Madhanani A, Director, V-SPARC, VIT. The event concluded with a cultural performance to segue into an evening of networking among the attendees. The Knowledge Partner for the event was Eka Green Buildings & Infrastructure Consultants Pvt. Ltd. About GRIHA Council: GRIHA (Green Rating for Integrated Habitat Assessment) is jointly established by the Ministry of New and Renewable Energy (MNRE), Government of India and TERI in 2007. It periodically evaluates the environmental performance of buildings over its entire life cycle based on qualitative and quantitative criteria, thereby providing a definitive standard for green buildings and habitats. GRIHA has been developed for various building typologies considering the Indian climate and construction practices. India, in its NDC document submitted at COP 20 in Paris has highlighted GRIHA as an indigenous green building rating system developed in India. GRIHA is a part of the mitigation strategy for containing climate change in India's "Nationally Determined Contributions" submitted to UNFCCC by the Ministry of Environment, Forests & Climate Change (MOEF/CC), Government of India. GRIHA has several modules in spheres such as energy efficiency, site planning, conservation, and efficient utilization of resources.

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## GRIHA Council hosted its second regional conclave in Hyderabad on 30 August 2024 to "Accelerate Climate Action in the Built Environment"

By In ANI - September 4, 2024 34


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### Press Note

**GRIHA Council hosted its second regional conclave in Hyderabad on 30 August 2024 to "Accelerate Climate Action in the Built Environment"**

Hyderabad, 30-08-2024: GRIHA Council hosted its 2<sup>nd</sup> GRIHA Regional Conclave in Hyderabad, Telangana on 30<sup>th</sup> August 2024 centered around the theme 'Accelerating Climate Action in the Built Environment'. This was second in the series of conclaves that are planned throughout the year, lining up with the annual GRIHA Summit, all centered around the same theme.





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