



**GRIHA Regional Conclave Raipur**

# **INNOVATE TO ACT FOR A CLIMATE RESILIENT WORLD**

**RAIPUR, CHHATTISGARH**

**28<sup>th</sup> JANUARY 2026**



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## Introduction

The built environment, which accounts for a significant share of global emissions and resource consumption, plays an instrumental role in either exacerbating the climate crisis or mitigating impacts and enabling adaptation. Cities and Built Infrastructure will continue to be exposed to higher climate stresses and frequent climate shocks, thereby disrupting lives, damaging property and harming the natural environment. Therefore, it is imperative to build climate-resilient infrastructure and adaptive cities that continue to protect, provide and thrive sustainably in harmony with nature. Nations around the world are united by a shared goal of building a sustainable and climate-resilient future. While each country faces distinct challenges owing to its development stage and resource availability, collective action remains fundamental.

Now is the time to embark on transformative efforts and revolutionize our design processes, construction practices and operation and management of built spaces. As the urgency for climate action intensifies, traditional approaches, while foundational, are not sufficient considering the pace and complexities of the challenges ahead. Innovation must be the driving force in shaping a resilient future across sectors and scales. It must steer the next phase of global, national & regional efforts, making climate action inclusive, resilient and sustainable. Innovation propels the development of novel technologies and approaches; however, it alone is not sufficient. It must be coupled with resilience- the ability to respond, adapt, recover and thrive in the face of shocks. Together, innovation and resilience form the bedrock for building a sustainable future.

As part of its continued commitment to advancing inclusive and climate-resilient infrastructure, **GRIHA Council** is hosting its **9<sup>th</sup> Regional Conclave** centered around the theme “**Innovate to Act for a Climate Resilient World**”. The conclave will be held on **28<sup>th</sup> January 2026, Wednesday, in Raipur, Chhattisgarh, India.**

The regional conclave intends to serve as a platform to deliberate innovative and actionable strategies that can transform our climate ambitions into tangible outcomes. Recognizing the pivotal role of regional insights in shaping a resilient and sustainable future, the conclave seeks to bring together a diverse group of stakeholders- innovators, policymakers, industry leaders, architects, engineers, product manufacturers, researchers and urban practitioners to convene for a day to ‘*discuss, innovate, adapt*’ and ‘*collaborate & act*’ on strategies that have the potential to build a climate-resilient world.

*Let’s forge meaningful and impactful collaborations to advance innovation in creating a sustainable, resilient and inclusive built environment.*

### **ABOUT GRIHA COUNCIL:**

**GRIHA Council**, recognized as the ‘**National Rating System for Green Buildings in India**’, was developed by **The Energy and Resources Institute (TERI)** in support with the **Ministry of New and Renewable Energy (MNRE), Government of India**. GRIHA Council issues ‘GRIHA Rating Certification’ for new buildings as well as retrofits and carries out all activities related to the issuance of ‘GRIHA Certification’. The Government of India (GoI) 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 NDCs documentation submitted to the United Nations Framework Convention on Climate Change (UNFCCC). Please find more information about GRIHA Council at <https://www.grihaindia.org>

## Background

Naya Raipur (Atal Nagar), the capital region of Chhattisgarh, stands as one of India's most comprehensively planned greenfield cities, envisioned as a model for sustainable, inclusive, and climate-responsive urban development. Designed with a long-term perspective, the city integrates modern infrastructure with environmental stewardship, making it an ideal venue for meaningful dialogue on climate action in the built environment. As a city developed from the ground up, Naya Raipur offers a unique opportunity to demonstrate how innovation and sustainability can be embedded into urban planning from inception.

Despite its planned framework, Naya Raipur faces emerging environmental challenges driven by climate variability and urban expansion. The region experiences rising temperatures, fluctuating rainfall patterns, and increasing demand for water and energy resources. As the city grows as an administrative, institutional, and economic hub, addressing climate risks such as heat stress, water security, and energy efficiency becomes increasingly critical. These challenges highlight the need for innovative, climate-resilient planning and low-carbon development strategies.

In response, Naya Raipur has adopted a forward-looking development approach that emphasizes green infrastructure, resilient urban systems, and efficient resource management. The city's planning framework incorporates extensive green spaces, integrated water bodies, and robust stormwater management networks to mitigate flooding, enhance groundwater recharge, and improve urban microclimates. Sustainable mobility initiatives—such as wide pedestrian pathways, dedicated cycling infrastructure, and planned public transport systems—support reduced emissions and improved urban livability.

Energy efficiency and renewable energy integration are central to the city's climate action agenda. Naya Raipur promotes energy-efficient buildings aligned with national frameworks such as the Energy Conservation Building Code (ECBC) and GRIHA, alongside the deployment of solar energy across public buildings and urban infrastructure. These measures reflect a commitment to innovation-driven solutions that reduce carbon footprints while enhancing long-term resilience.

As a next-generation capital city, Naya Raipur exemplifies how innovation can translate into actionable climate solutions. Its development strategies focus on climate-responsive building design, optimized land use, smart resource management, and the creation of resilient public spaces. By prioritizing sustainability at the planning stage, the city demonstrates how innovation can be effectively harnessed to act against climate challenges and build a resilient urban future.

The GRIHA Regional Conclave in Naya Raipur provided a strategic platform to deliberate on “Innovate to Act for a Climate-Resilient World.” The conclave brought together policymakers, urban planners, architects, developers, and sustainability experts to exchange knowledge, share best practices, and explore region-specific strategies for strengthening climate resilience in the built environment. In collaboration with state authorities and industry stakeholders, the event reinforced Naya Raipur's role as a catalyst for climate-responsive urban development and its potential to inspire other emerging cities across India.

## Acknowledgements

At the outset, the GRIHA Council extends its sincere gratitude to the Government of Chhattisgarh for its valuable support and collaboration in the successful organization of the GRIHA Regional Conclave Raipur 2026.

We express our heartfelt appreciation to the eminent dignitaries who graced the conclave with their esteemed presence and insightful addresses, including **Shri Vijay Sharma**, Hon'ble Deputy Chief Minister of Chhattisgarh, Minister of Home Affairs & Jail, Panchayat & Rural Development; Technical Education and Employment, Science and Technology, Government of Chhattisgarh and **Shri Shyam Bihari Jaiswal**, Hon'ble Minister of Health and Family Welfare and Medical Education, Government of Chhattisgarh. We also extend our sincere thanks to **Shri S.R. Shrivastava**, Engineer-in-Chief, Naya Raipur Development Authority, Government of Chhattisgarh.

GRIHA Council gratefully acknowledges the active participation and support of key state government departments and institutions, including the Nava Raipur Development Authority, Chhattisgarh Housing Board, Directorate of Urban Administration and Development, Directorate of Town and Country Planning, Chhattisgarh Renewable Energy Development Agency (CREDA), Public Works Department (PWD), and other allied departments of the Government of Chhattisgarh, whose contributions significantly enriched the technical deliberations and policy discussions during the conclave.

Our sincere gratitude is also extended to **Padma Shri Dr. Ajay Mandavi**, Community Afforestation Leader and Master of Gond Tribal Woodcraft, for sharing inspiring perspectives rooted in indigenous knowledge systems, community-led afforestation, and environmental stewardship.

GRIHA Council gratefully acknowledges the invaluable contributions of all moderators, speakers, and panelists, whose expert insights across technical sessions fostered meaningful dialogue on sustainability, innovation, and resilient infrastructure development.

We extend our sincere thanks to our Knowledge Partner, **I-NAT Global**, for their technical support, thought leadership, and commitment towards strengthening sustainability discourse at the regional level. We also acknowledge our Event Partner, **ASAI**, for their pivotal role in ensuring the seamless planning and execution of the conclave.

Lastly, we convey our profound gratitude to the leadership of **Dr Vibha Dhawan, President, GRIHA Council and Director General, The Energy and Resources Institute (TERI)**, whose visionary guidance continues to steer the GRIHA movement towards building a sustainable, resilient, and climate-responsive India.

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## Agenda

### ‘Innovate to Act for a Climate Resilient World’

Date: 28<sup>th</sup> January 2026

Venue: Courtyard by Marriott Raipur, Chhattisgarh

0900 – 1000 hrs.	<b>Registration</b>
1000-1030 hrs.	<b>Fireside Chat</b> From Awareness to Action: Embracing the Sustainability Lifestyle
1030 – 1130 hrs.	<b>Inaugural Session</b> <ul style="list-style-type: none"> <li>• Lighting the lamp</li> <li>• Welcome Address</li> <li>• Special Address</li> <li>• Signing of Memorandum of Understanding</li> <li>• Keynote Address</li> <li>• Release of GRIHA Publication</li> <li>• Inaugural Address</li> <li>• GRIHA Felicitation Ceremony</li> <li>• Vote of Thanks</li> </ul>
1130 – 1300 hrs.	<b>Plenary Session 1:</b> Towards Net-Zero Raipur: A Strategic Pathway
1300 – 1400 hrs.	<b>Networking Lunch</b>
1400 – 1500 hrs.	<b>Ideas To Impact Session:</b> Emerging Horizons: Driving Sustainable Solutions
1500 - 1515 hrs.	<b>Networking Tea</b>
1515 – 1630 hrs.	<b>Roundtable Session:</b> Mainstreaming Green Infrastructure in Urban Policy for a Resilient
1630 hrs. onwards	<b>High Tea</b>
<b>Closing of GRIHA Regional Conclave Raipur</b>	

## Detailed Agenda

# ‘Innovate to Act for a Climate Resilient World’

Date: 28<sup>th</sup> January 2026

Venue: Courtyard by Marriott Raipur, Chhattisgarh

0900 – 1000 hrs.	<b>Registration</b>
1000-1030 hrs.	<p><b>Fireside Chat</b>  <b>From Awareness to Action: Embracing Sustainable Lifestyle</b>  <i>Moderator Shri Sanjay Seth</i>, Vice President &amp; CEO, GRIHA Council &amp; Senior Director, Sustainable Infrastructure Programme, TERI</p> <p><i>Panellists:</i></p> <ul style="list-style-type: none"> <li>• <b>Shri Manish Pilliwar</b>, Chairman, Indian Institute of Architects, Raipur Centre &amp; Consultant, Pilliwar &amp; Associates Engineers, Architect, Planners</li> <li>• <b>Prof. (Dr.) Vivek Agnihotri</b>, Assistant Professor, Department of Architecture and Planning, National Institute of Technology (NIT), Raipur, Chhattisgarh</li> </ul>
1030 – 1130 hrs.	<p><b>Inaugural Session</b>  <i>Lighting the lamp</i></p> <p><i>Welcome Address</i>  <b>Shri. Sanjay Seth</b>, Vice President &amp; CEO, GRIHA Council &amp; Senior Director, Sustainable Infrastructure Programme, TERI.</p> <p><i>Special Address</i>  <b>Shri. S.R. Shrivastava</b>, Engineer-in-Chief, Naya Raipur Development Authority, Government of Chhattisgarh</p> <p><b>Signing of Memorandum of Understanding</b>  <i>Keynote Address</i>  <b>Shri. Shyam Bihari Jaiswal</b>, Hon’ble Minister of Health and Family Welfare and Medical Education, Government of Chhattisgarh</p> <p><b>Release of GRIHA Publication</b></p> <p><i>Inaugural Address</i>  <b>Shri. Vijay Sharma</b>, Hon’ble Deputy Chief Minister of Chhattisgarh, Minister of Home &amp; Jail; Panchayat &amp; Rural Development; Technical Education and Employment; Science and Technology, Government of Chhattisgarh</p> <p><b>GRIHA Felicitations Ceremony</b></p> <p><i>Vote of Thanks</i>  <b>Smt. Shabnam Bassi</b>, Deputy CEO &amp; Secretary, GRIHA Council &amp; Director, Sustainable Buildings Division, TERI</p>
	<p><b>Plenary Session:</b>  <b>Towards Net-Zero Raipur: A Strategic Pathway</b></p>

<p>1130 – 1300 hrs.</p>	<p>Raipur, as a growing urban center, stands at a crossroads: The roadmap is about reimagining urban life—where clean energy powers homes and industries, where public transport is electric and accessible, where buildings are designed to conserve energy, and where waste is treated as a resource rather than a burden. The plenary will highlight that net-zero is not a distant aspiration but a practical, phased journey with clear milestones— 2030, 2040, and 2070. Each milestone represents opportunities for innovation, investment, and community engagement. This session will bring together academicians, architects, and government officials from diverse Yields to share insights, and deliberate on strategies that can guide to co-create a resilient, inclusive, and future-ready Raipur</p> <p><i>Thematic Address:</i> <b>Shri. Harsh Kumar Joshi</b>, Additional Commissioner, Chhattisgarh Housing Board, Government of Chhattisgarh</p> <p><i>Moderator:</i> <b>Smt. Shabnam Bassi</b>, Deputy CEO &amp; Secretary, GRIHA Council &amp; Director, Sustainable Buildings Division, TERI</p> <p><b>Panelists:</b></p> <ul style="list-style-type: none"> <li>• <b>Ar. Anubha Ashtikar</b>, Manager – Decarbonisation &amp; Sustainability Transformation, PricewaterhouseCoopers (PwC)</li> <li>• <b>Dr. Parampreet Kaur</b>, Professor &amp; Acting Director, Amity School of Architecture and Planning, Amity University, Chhattisgarh &amp; Executive Committee Member, Indian Institute of Architects (IIA) Chhattisgarh Chapter.</li> <li>• <b>Shri. Arvind Rastogi</b>, Founder &amp; CEO, Technovations (Engineering &amp; Industrial Automation), Chhattisgarh</li> </ul>
<p>1300 – 1400 hrs.</p>	<p>Lunch Break</p>
<p>1400-1500 hrs.</p>	<p><b>Ideas to Impact Session:</b>  <b>Emerging Horizons: Driving Sustainable Solutions</b></p> <p>Raipur is at a pivotal moment in its urban journey. As a growing city in central India, it is witnessing the rise of emerging technologies, innovative practices, and civic movements that are reshaping its identity. This session explores how digital transformation, sustainable innovations, and grassroots movements are converging to create a future-ready Raipur. Academicians, architects, industry leaders, and community leaders will share insights and deliberate on actionable pathways to guide Raipur’s transition toward a resilient and sustainable urban ecosystem.</p> <p><b>Presenter:</b></p> <ul style="list-style-type: none"> <li>• <b>Padma Shri Dr. Ajay Mandavi</b>, Community Afforestation Leader, Master of Gond tribal woodcraft from Kanker District, Chhattisgarh</li> </ul>
<p>1500-1515 hrs.</p>	<p>Networking Tea</p>
	<p><b>Roundtable Session:</b>  <b>Mainstreaming Green Infrastructure in Urban Policy for a Resilient Raipur</b></p>
	<p><i>Setting the Context:</i>  <b>Shri Sanjay Seth</b>, Vice President &amp; CEO, GRIHA Council &amp; Senior Director, Sustainable Infrastructure Programme, TERI</p> <p><b>Session Chairpersons:</b></p>

	<ul style="list-style-type: none"> <li>• <b>Shri. Sanjay Seth</b>, Vice President &amp; CEO, GRIHA Council &amp; Senior Director, Sustainable Infrastructure Programme, TERI</li> <li>• <b>Smt. Shabnam Bassi</b>, Deputy CEO &amp; Secretary, GRIHA Council and Director, Sustainable Buildings Division, TERI</li> </ul> <p><i>Experts:</i></p> <ul style="list-style-type: none"> <li>• <b>Shri. Vineet Nair</b>, Joint Director, Directorate of Town and Country Planning, Government of Chhattisgarh</li> <li>• <b>Prof. Rajesh B Thakare</b>, Managing Director, Thakare Consultancy Services Pvt. Ltd, Raipur, Chhattisgarh</li> <li>• <b>Shri. Brajesh Nahar</b>, Director and Chief Operating Officer, APL Apollo Building Products Ltd.</li> <li>• <b>Ms. Amardeep Gandhi</b>, Chapter Head, Women’s Wing, Confederation of Real Estate Developer’s Associations of India (CREDAI)</li> <li>• <b>Shri. Kushal Tiwari</b>, Project Coordinator, Chhattisgarh Renewable Energy Development Agency (CREDA), Government of Chhattisgarh</li> <li>• <b>Shri. Nilay Ranjan Sahu</b>, Project Coordinator, Chhattisgarh Renewable Energy Development Agency (CREDA), Government of Chhattisgarh</li> <li>• <b>Shri. Rajesh Sharma</b>, Chief Engineer, Directorate of Urban Administration and Development, Government of Chhattisgarh</li> <li>• <b>Shri. Arvind Rastogi</b>, Founder &amp; CEO, Technovations, Raipur, Chhattisgarh</li> <li>• <b>Ar. Neena Raicha</b>, Senior Manager, Design2Occupancy Services LLP</li> <li>• <b>Ar. Anubha Ashtikar</b>, Manager – Decarbonisation &amp; Sustainability Transformation, PricewaterhouseCoopers (PwC)</li> <li>• <b>Ar. Nilay Ranjan Sharma</b>, Principal Architect, Katha Design Studio</li> <li>• <b>Ar. Akash Deep</b>, Deputy General Manager &amp; Treasurer, GRIHA Council</li> <li>• <b>Er. Gautam Aswani</b>, Director- Technical, I-NAT Global Edge LLP</li> </ul>
1630 hrs. onwards	High Tea
<b>Closing of GRIHA Regional Conclave</b>	

## Fireside Chat

### “From Awareness to Action: Embracing Sustainable Lifestyle”



#### Moderator

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

*He initiated the fireside chat by reflecting on whether smart development and sustainability truly go hand in hand. He emphasized, “Sustainability should not be perceived as an added cost, but as an enabler of long-term efficiency, resilience, and value creation.” Highlighting the growing relevance of green buildings in Chhattisgarh, he underscored the need for strong policy support, increased awareness, and effective stakeholder collaboration to accelerate adoption. He reinforced, “Smart cities can achieve their true potential only when sustainability is embedded across planning, design, and operational stages.”*



#### Panellist



**Prof. (Dr.) Vivek Agnihotri** Assistant Professor, Department of Architecture and Planning, National Institute of Technology (NIT) Raipur, Chhattisgarh

*He highlighted, “Awareness and motivation as the core drivers of sustainable development, stressing the importance of collective action between government and citizens.” He advocated for a broader understanding of sustainability beyond materials and technologies, linking it to everyday lifestyle choices. Emphasising the principle of “Reduce” as the first step toward sustainability, he encouraged responsible consumption and carbon sequestration through plantation of native species. He underscored, “Sustainable living begins at the individual level and leads to resilient communities.”*

## Panellist

**Shri Manish Pilliwar** Chairman, Indian Institute of Architects, Raipur Centre & Consultant, Pilliwar & Associates Engineers, Architect, Planners.

*He shared a practitioner's perspective on sustainable development, highlighting that sustainability is not an expense but an investment in a stronger and more resilient future. He emphasized, "Truly livable cities are built on principles where economic growth aligns with environmental responsibility." Drawing from his professional experience, he noted, "Sustainable planning ensures infrastructure that supports people while safeguarding natural resources." He reinforced, "Development must be future-oriented, ensuring that present progress does not compromise the needs and well-being of coming generations."*



*Speaker Panel of Plenary Session: Prof (Dr.) Vivek Agnihotri, Shri Sanjay Seth, Shri Manish Pilliwar (from L toR)*

## Inaugural Session

### Welcome Address

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

*Extending a warm welcome to Shri Vijay Sharma Ji, Hon'ble Deputy Chief Minister, Government of Chhattisgarh, and Shri Shyam Bihari Jaiswal Ji, Hon'ble Minister of Health and family Welfare and Medical Education, Government of Chhattisgarh and the distinguished gathering he expressed, "At the intersection of climate vulnerability and immense resource potential, Chhattisgarh with Naya Raipur as its model has a unique opportunity to embed sustainability at the foundational planning. By doing so it can set a national benchmark for low-carbon, resilient, and inclusive growth that strengthens India's energy transition while safeguarding the environment." He emphasized the importance of state-level leadership in translating national sustainability goals into local actions."*



### Special Address



**Shri S.R. Shrivastava**, Engineer-in-Chief, Naya Raipur Development Authority, Government of Chhattisgarh

*He shared insights into the progressive planning framework adopted for New Raipur, highlighting the integration of Sustainable Urban Drainage Systems (SUDS) to strengthen stormwater management and mitigate urban flooding risks. He further elaborated on the provision of a centralized Sewage Treatment Plant with tertiary-level treatment, enabling reuse of treated wastewater for flushing and landscape irrigation. Shri Shrivastava emphasized the adoption of energy-efficient LED street lighting equipped with automatic timer-based control systems across the city. He noted, "More than 25% of New Raipur's total area has been dedicated to green and open spaces, reinforcing the city's ecological balance."*

## Keynote Address

**Shri Shyam Bihari Jaiswal**, Hon'ble Minister of Health and Family Welfare and Medical Education, Government of Chhattisgarh

*"Our first priority should be to reduce energy consumption before adding renewable energy sources. When we use energy wisely, sustainability becomes easier, more effective, and beneficial for everyone", emphasized Shri. Shyam Bihari Jaiswal, Hon'ble Minister of Health and Family Welfare and Medical Education, Government of Chhattisgarh during his Special Address at the GRIHA Regional Conclave, Raipur. He further added, "We must also reconnect with our ancient wisdom for sustainable development, alongside modern solutions. Traditional Indian practices such as stepwells, rain-fed water systems, natural ventilation, and climate-responsive planning were designed in harmony with nature. By blending this timeless knowledge with today's technology, we can build a more resilient and sustainable future."*



## Inaugural Address



**Shri Vijay Sharma**, Hon'ble Deputy Chief Minister of Chhattisgarh, Minister of Home & Jail, Panchayat & Rural Development; Technical Education and Employment, Science and Technology, Government of Chhattisgarh

*"Sustainable development works best when it is built into the planning and design process from the very beginning, rather than being treated as a corrective step later. When approached from the outset, it becomes more practical, cost-effective, and impactful, allowing emerging districts to grow through grassroots-driven action", stated the Hon'ble Deputy Chief Minister of Chhattisgarh. He further shared, "The Government of Chhattisgarh has recently announced several development initiatives for the Bastar region, with significant investments in railways, roads, healthcare, agriculture, and allied sectors."*

## Vote of Thanks

**Smt. Shabnam Bassi**, Deputy CEO & Secretary, GRIHA Council and Director, Sustainable Buildings Division, TERI

*She expressed her sincere gratitude to the Hon'ble Ministers, senior officials of the Government of Chhattisgarh, and all dignitaries for their valued presence and guidance. She shared "Sustainable development requires collective effort from governments, businesses, academia, and civil society. Together, we can build an energy-efficient, environmentally conscious future that enhances quality of life." In conclusion she reaffirmed GRIHA Council's commitment to advancing sustainable and climate-resilient development across the state.*





*Auspicious lighting of lamp ceremony by our eminent dignitaries Shri Sanjay Seth, Shri Vijay Sharma, Smt Shabnam Bassi, Shri Sunil Ramdas (from L TO R)*



*Auspicious lighting of the lamp ceremony by our eminent dignitaries Shri Sanjay Seth, ,Shri S.R. Shrivastava, Shri Shyam Bihari Jaiswal, Smt Shabnam Bassi (from L to R)*

## Signing of Memorandum of Understanding (MoU)

The session witnessed the signing of a Memorandum of Understanding between GRIHA Council and the Indian Institute of Architects (IIA), Chhattisgarh Chapter, aimed at strengthening collaboration for promoting sustainable design practices, professional capacity building, and wider adoption of green building principles across the state.



*Smt. Sabnam Bassi, Deputy CEO & Secretary, GRIHA Council and Shri Manish Pilliwar, Chairman, Indian Institute of Architects, Raipur Centre signed the Memorandum of Understanding*



*Exchange of MoU between GRIHA Council and The Indian Institute of Architects, Chhattisgarh Chapter in the presence of eminent dignitaries*

## Release of GRIHA Publication

GRIHA Council launched an upgraded version of JAN GRIHA certification - JAN GRIHA (Jan Awas Nirman GRIHA) Certification V.2 based on market feedback and trends. The JAN GRIHA certification aims to promote sustainability at the grassroots level and encourage greener choices in residential construction. It is a simple, easy-to-follow checklist designed for self-constructed, standalone affordable homes, enabling assessment of carbon emissions and reduction potential, thereby supporting India's net-zero vision for 2070.



*GRIHA Council launched an upgraded version of JAN GRIHA certification- JAN GRIHA V.2 at GRIHA Regional Conclave Raipur*

## Plenary Session

### "Towards Net Zero Raipur: A Strategic Pathway"

The plenary session deliberated on building a realistic & achievable roadmap for Net – Zero Raipur emphasizing that the transition must be phased, inclusive & integrated across policy, design, technology materials, & human behaviour. The discussions reinforced that net-zero is not a single target, but a strategic pathway shaped through informed planning, local resources & collective responsibility.



### Thematic Address



**Shri Harsh Kumar Joshi**, Additional Commissioner, Chhattisgarh Housing Board, Government of Chhattisgarh

*He highlighted, "Raipur and the state of Chhattisgarh possess a strong natural advantage with nearly eight months of abundant sunlight." He emphasized, "Solar energy should be viewed as a key driver in Raipur's net-zero journey, enabling large-scale renewable adoption and supporting net zero buildings."*

### Moderator

**Smt. Shabnam Bassi**, Deputy CEO & Secretary, GRIHA Council and Director, Sustainable Buildings Division, TERI

*She emphasized, "Achieving net-zero Raipur requires sustainability to be embedded at every stage of a project's lifecycle. Strategic decision-making during planning and design plays a critical role in long-term performance outcomes." She highlighted the importance of nurturing future professionals and stated, "Architecture students and young practitioners will be central to advancing Raipur's net-zero vision through informed and responsible design practices."*



Panelist



**Ar. Anubha Ashtikar** Manager – Decarbonisation & Sustainability Transformation, PricewaterhouseCoopers (PwC)

*She emphasized that a structured and phased approach is essential to successfully implement the net-zero pathway. She stated, “Sustainability must be introduced at the right stage with the right strategy, ensuring long-term impact without cost escalation. Setting clear short-term, medium-term, and long-term net-zero goals enables smoother implementation and ensures that green development becomes both practical and economically viable for Raipur.”*

Panelist

**Dr. Parampreet Kaur**, Professor & Acting Director, Amity School of Architecture & Planning, Amity University, Chhattisgarh & Executive Committee Member, Indian Institute of Architects (IIA) Chandigarh Chapter

*She highlighted, “Net-zero pathway must equally address human well-being along with environmental performance. The future-ready cities require professionals who understand building performance, energy behaviour, and occupant comfort.” She shared that while students are being trained on performance-based tools, focused skill development and industry-oriented training are essential to prepare them to actively contribute to Raipur’s transition toward high-performance, net-zero buildings.*



Panelist



**Shri. Arvind Rastogi**, Founder & CEO, Technovations (Engineering and Industrial Automation), Chhattisgarh

*He highlighted, “Strategic pathway to net-zero must begin at the individual level, as responsible behavior forms the base for community-scale transformation.” He emphasized the potential role of technology and automation in managing municipal solid waste and converting it into energy to address one of Raipur’s key urban challenges. He further highlighted, “The need for continuous monitoring and industrial symbiosis, where waste from one industry can become a resource for another, strengthening Raipur’s circular economy and supporting its net-zero objectives.”*



*Panelist of Plenary Session: Smt. Shabnam Bassi, Ar. Anubha Ashtikar, Dr. Parampreet Kaur, Shri Arvind Rastogi, Shri. Harsh Kumar Joshi (from L to R)*



*Smt. Shabnam Bassi, Ar. Anubha Ashtikar, Dr. Parampreet Kaur, Shri. Arvind Rastogi, Shri. Harsh Kumar Joshi during the Plenary Session (from L to R)*

## Ideas to Impact Session

### “Emerging Horizons: Driving Sustainable Solutions”

The session focused on how emerging innovations, digital transformation, and community-led initiatives are shaping Raipur’s journey toward a sustainable and future-ready urban ecosystem. It highlighted the importance of integrating grassroots action with modern development approaches to create long-term environmental and social impact.

The banner for the GRIHA Regional Conclave Raipur 2026 features a central graphic of a globe with sustainable energy symbols like solar panels and wind turbines, and a road with cars. Logos for TERI, the Ministry of New and Renewable Energy, and I-NATI are at the top. The text includes 'GRIHA REGIONAL CONCLAVE', 'INNOVATE TO ACT FOR A CLIMATE RESILIENT WORLD', 'RAIPUR | 28 January 2026 Courtyard By Marriott', and 'IDEAS TO IMPACT SESSION: EMERGING HORIZONS: DRIVING SUSTAINABLE SOLUTIONS'. A QR code is labeled 'SCAN TO REGISTER'. Partners 'I-NATI' and 'Ani' are also mentioned.

### Presenter

**Padma Shri Dr. Ajay Mandavi**, Community Afforestation Leader and Master of Gond tribal woodcraft from Kanker District, Chhattisgarh

*He stated, “When we choose locally available materials, we begin to see how sustainability and development can truly move forward together. These materials have low embodied energy, they respond naturally to the climate, and when they are combined with local skills and local resources, they do much more than build structures. They help create resilient, inclusive infrastructure and support growth that is rooted in the realities of emerging districts like Bastar.”*





*Padma Shri Dr. Ajay Mandavi addressing the gathering during Ideas to Impact Session of GRIHA Regional Conclave Raipur*



*Shri Sanjay Seth felicitated Padma Shri Dr. Ajay Mandavi during the GRIHA Regional Conclave Raipur*

## Roundtable Session

### “Mainstreaming Green Infrastructure in Urban Policy for a Resilient Raipur”



### Setting the Context



**Shri Sanjay Seth**, Vice President & CEO, GRIHA Council & Senior Director, Sustainable Infrastructure Programme, TERI

*Mr Seth highlighted, “As we deliberate on the future of Chhattisgarh’s cities, the task before us is clear: to identify and embed green infrastructure as a core pillar of urban policy. Sustainability must move beyond intent and become a measurable performance benchmark, strengthened through deeper collaboration between government, industry, and the private sector. He further added, “Our long-term vision is to develop region- and context-specific strategies that accelerate the adoption of green buildings across the state.”*

**Smt. Shabnam Bassi**, Deputy CEO & Secretary, GRIHA Council and Director, Sustainable Buildings Division, TERI

*Ms. Shabnam Bassi highlighted the urgent need for enhanced training and capacity building across the state. She emphasized, “An effective and efficiently trained workforce plays a pivotal role in achieving net-zero goals. Strengthening technical skills and improving on-ground implementation capabilities will be essential to accelerating the state’s transition toward a low-carbon and climate-resilient future.”*



**KEY TAKEAWAYS FROM THE ROUNDTABLE SESSION**

<b>S.NO.</b>	<b>DISCUSSION POINTS</b>	<b>KEY RECOMMENDATIONS</b>	<b>EXPECTED OUTCOME</b>
1	<b>Development of a State-wise Building Material Directory</b>	Need for a state-level directory enlisting locally available, region-specific and sustainable building materials to support projects and compliance.	<ul style="list-style-type: none"> <li>• Encourages use of local/indigenous materials.</li> <li>• Reduces embodied carbon from transportation.</li> <li>• Strengthens local supply ecosystem.</li> <li>• Improve decision-making during procurement through availability of verified materials.</li> </ul>
2	<b>Simplification of SOPs for GRIHA Rating (especially Govt./Public Sector projects)</b>	SOP/documentation processes should be simplified to enable smoother adoption by government agencies and implementing departments	<ul style="list-style-type: none"> <li>• Improves clarity for implementing agencies.</li> <li>• Reduces delays &amp; uncertainties by streamlining compliance and documentation.</li> <li>• Enables faster adoption across large-scale development projects.</li> </ul>
3	<b>Capacity Building &amp; Training of GRIHA Certified Professionals (CPs)</b>	Need to expand pool of trained professionals in the state including government departments, consultants, developers, contractors & engineers.	<ul style="list-style-type: none"> <li>• Strengthens local expertise.</li> <li>• Ensures effective implementation.</li> <li>• Enhances readiness for adoption at scale.</li> </ul>
4	<b>Awareness on Sustainability &amp; Cost Implications of Green Buildings</b>	Misconception persists that green buildings cost significantly higher; need awareness on life-cycle savings and comfort/ health benefits.	<ul style="list-style-type: none"> <li>• Greater acceptance and informed decisions.</li> <li>• Stronger stakeholders buy-in.</li> <li>• Higher adoption in private and public sectors.</li> </ul>
5	<b>Development &amp; Dissemination of GRIHA Project Case Studies</b>	Need for locally relevant success stories showcasing measurable benefits and performance outcomes in certified projects.	<ul style="list-style-type: none"> <li>• Demonstrates real evidence.</li> <li>• Builds stakeholder confidence.</li> <li>• Encourages replication.</li> </ul>

## Glimpses of Roundtable Session



## GRIHA Felicitation Ceremony

S. No	Name	State	Rating type	Rating
<b>GRIHA RATING AWARDS</b>				
1	Hon'ble Chief Minister's Residence	Naya Raipur, Chhattisgarh	GRIHA Provisional Rating	5 Star
2	Indian Institute of Technology Bhilai, Phase - A	Durg Chhattisgarh	GRIHA Large Development	5 Star



*GRIHA Provisional 5-Star Rating Award for the Hon'ble Chief Minister's Residence Project was presented to the project team by the Hon'ble Deputy Chief Minister of Chhattisgarh, Shri Vijay Sharma*



*GRIHA for Large Development 5-Star Rating Award for the Indian Institute of Technology Bhilai, Phase-A project was presented to the project team by Shri Shyam Bihari Jaiswal, Hon'ble Minister of Health and Family Welfare and Medical Education, Government of Chhattisgarh.*

## Key Highlights

### **Fireside Chat- *From Awareness to Action: Embracing the Sustainability Lifestyle***

#### **The session emphasized on:**

- Awareness around sustainable living being is a key driver of sustainable development and must be translated into meaningful on-ground action.
- Collaboration between government, industry, academia and communities strengthen inclusive, responsible and sustainable development.
- Cities became liveable and sustainable when growth respects nature, infrastructure supports people, and progress does not compromise future.

### **Inaugural Session**

#### **The session stressed on:**

- Integrating sustainability at the planning and design stage of development.
- Importance of energy efficiency, water conservation, institutional collaboration, and citizen participation.
- Role of GRIHA in supporting policy alignment, capacity building, and wider adoption of sustainable practices across the state.

### **Plenary Session - *Towards Net-Zero Raipur: A Strategic Pathway***

#### **The session emphasized on:**

- Solar energy being viewed as a key driver in Raipur's net-zero journey, enabling large-scale renewable adoption and supporting Net-zero.
- Achieving Net-Zero Raipur by embedding sustainability at every stage of a project's lifecycle.
- Sustainability must be introduced at the right stage of project planning & construction with the right strategy, ensuring long-term impact without cost escalation.
- Strategic pathway to net-zero begins at the individual level, as responsible behaviour forms the base for community-scale transformation

### **Ideas to Impact Session - *Emerging Horizons: Driving Sustainable Solutions***

#### **The session emphasized on:**

- Emerging innovations, digital transformation, and community-led initiatives that are shaping Raipur's journey toward a sustainable and future-ready urban ecosystem.
- Importance of integrating grassroots action with modern development approaches to create long-term environmental and social impact.

## GRIHA Regional Conclave in News

### इनोवेट टू एक्ट फॉर ए क्लाइमेट रेजिलिएंट वर्ल्ड पर हुई चर्चा

रायपुर। देश की राष्ट्रीय ग्रीन बिल्डिंग प्रणाली गृह परिषद (ग्रीन रेटिंग फॉर इटीग्रेटेड हैबिटेट असेसमेंट) ने बुधवार को कोर्टयार्ड वाय मैरियट में क्षेत्रीय सम्मेलन किया। सम्मेलन का मुख्य विषय इनोवेट टू एक्ट फॉर ए क्लाइमेट रेजिलिएंट वर्ल्ड रहा। इसका उद्देश्य राज्य में सतत, जलवायु-अनुकूल एवं कम कार्बन वाले शहरी विकास को बढ़ावा देना था। सम्मेलन में सुनील रामदास (उपाध्यक्ष, ओलंपिक एसोसिएशन छत्तीसगढ़ एवं अध्यक्ष, रामदास ट्रोपेदी फाउंडेशन), पद्मश्री डॉ. अजय



मंडवी तथा एसआर श्रीवास्तव (मुख्य अभियंता, नवा रायपुर विकास प्राधिकरण) सहित वरिष्ठ अधिकारी विशेष एवं तकनीकी पेशेवर उपस्थित रहे। कार्यक्रम का उद्घाटन उपमुख्यमंत्री विजय शर्मा और स्वास्थ्य मंत्री श्याम बिहारी जायसवाल ने किया। सम्मेलन का प्रमुख परिणाम यह रहा कि सभी हितधारकों में ग्रीन बिल्डिंग, ऊर्जा दक्षता, जल संरक्षण एवं नेट-जीरो विकास को लेकर जागरूकता बढ़ी।

Source - Daily Swadesh Newspaper  
Dated 30<sup>th</sup> January 2026

### इनोवेट टू एक्ट: रायपुर में आयोजित GRIHA क्षेत्रीय सम्मेलन ने सतत शहरों की दिशा में मार्ग प्रशस्त किया



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नवीन एवं नवीकरणीय ऊर्जा मंत्रालय, भारत सरकार द्वारा प्रोत्साहित GRIHA परिषद (ग्रीन रेटिंग फॉर इटीग्रेटेड हैबिटेट असेसमेंट), जो भारत की राष्ट्रीय ग्रीन बिल्डिंग रेटिंग प्रणाली है, द्वारा 28 जनवरी 2026 को कोर्टयार्ड वाय मैरियट, रायपुर (छत्तीसगढ़) में GRIHA क्षेत्रीय सम्मेलन रायपुर 2026 का सफल आयोजन किया गया। सम्मेलन का मुख्य विषय

इनोवेट टू एक्ट फॉर ए क्लाइमेट रेजिलिएंट वर्ल्ड रहा। इसका उद्देश्य राज्य में सतत, जलवायु-अनुकूल एवं कम कार्बन वाले शहरी विकास को बढ़ावा देना था। इस पूरे कार्यक्रम का आयोजन एवं समन्वय I-NAT ग्लोबल कंसल्टेंसी फर्म, नोएडा द्वारा किया गया, जिसने GRIHA परिषद के साथ मिलकर सम्मेलन की योजना, संचालन एवं विभिन्न हितधारकों के समन्वय में महत्वपूर्ण भूमिका निभाई। सम्मेलन में सुनील रामदास (उपाध्यक्ष, ओलंपिक एसोसिएशन छत्तीसगढ़ एवं अध्यक्ष, रामदास ट्रोपेदी फाउंडेशन), पद्मश्री डॉ. अजय मंडवी तथा एस. आर. श्रीवास्तव (मुख्य अभियंता, नवा रायपुर विकास प्राधिकरण) सहित वरिष्ठ अधिकारी, विशेषज्ञ एवं तकनीकी पेशेवर उपस्थित रहे।

Source - Daily Swadesh Newspaper  
Dated 30<sup>th</sup> January 2026

### Innovate to Act: GRIHA Conclave in Raipur Pushes Net-Zero Pathways for Sustainable Cities

RAIPUR

GRIHA Council hosted the GRIHA Regional Conclave Raipur, 2026 on Wednesday, 28th January 2026 at Courtyard by Marriott Raipur, Chhattisgarh, under the theme 'Innovate to Act for a Climate Resilient World'. The conclave brought together key stakeholders from government, industry, academia, and the built environment sector to deliberate on actionable pathways for sustainable urban growth.



Embracing Sustainable Lifestyle', moderated by Shri Sanjay Seth, Vice President & Chief Executive Officer, GRIHA Council & Senior Director, Sustainable Infrastructure Programme, TERI, New Delhi, featuring expert perspectives from Shri Manish Pillwar, Consultant, Pillwar and Associates, Engineer, Architect and Planners; and Prof. (Dr) Vivek Agnihotri, Assistant Professor, Department of Architecture and Planning, National Institute of Technology (NIT) Raipur, Chhattis-

garh. Delivering the Inaugural Address, Shri Vijay Sharma, Hon'ble Deputy Chief Minister of Chhattisgarh and Minister for Home, Government of Chhattisgarh shared, not as a corrective measure. When embedded from the outset, it becomes more effective, economical, and transformative, empowering emerging districts like Bastar to grow through grassroots-led action. Hon'ble Minister, Ministry of Health and Family Welfare, and

Minister of Medical Education, Government of Chhattisgarh highlighted, "Our first priority must be to reduce energy consumption; when we use energy wisely, sustainability becomes easier, more effective, and beneficial for all. Conservation strengthens public health, protects resources, lowers costs, and builds resilient communities for future generations through responsible choices today. This commitment demands leadership, innovation, and accountability nationwide."

Source - Business Minutes Newspaper  
Dated 29<sup>th</sup> January 2026

### GLOBAL AGRICULTURE

Food Security With Sustainability



### Innovate to Act: GRIHA Conclave in Raipur Pushes Net-Zero Pathways for Sustainable Cities

29 January 2026, New Delhi: GRIHA Council hosted the GRIHA Regional Conclave Raipur, 2026 on Wednesday, 28th January 2026 at Courtyard by Marriott Raipur, Chhattisgarh, under the theme 'Innovate to Act for a Climate Resilient World'. The conclave brought together key stakeholders from government, industry, academia, and the built environment sector to deliberate on actionable pathways for sustainable urban growth, climate resilience, and low-carbon development in the region.

Source - Newsletter on Global Agriculture  
Dated 29<sup>th</sup> January 2026



## GRIHA Regional Conclave 2026

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