



Union Minister Pralhad Joshi Announces ₹100 Crore Call for Proposals for Biomass-Based Hydrogen Pilots

National Green Hydrogen Mission (NGHM) is Accelerating India's Clean Energy Shift and Positioning India as a Global Hub for Green Hydrogen: Union Minister Pralhad Joshi

NGHM to Mobilise Over ₹8 Lakh Crore Investment, Create Six Lakh Jobs and Save ₹1 Lakh Crore in Fossil-Fuel Imports Annually: Shri Santosh Kumar Sarangi, Secretary, MNRE

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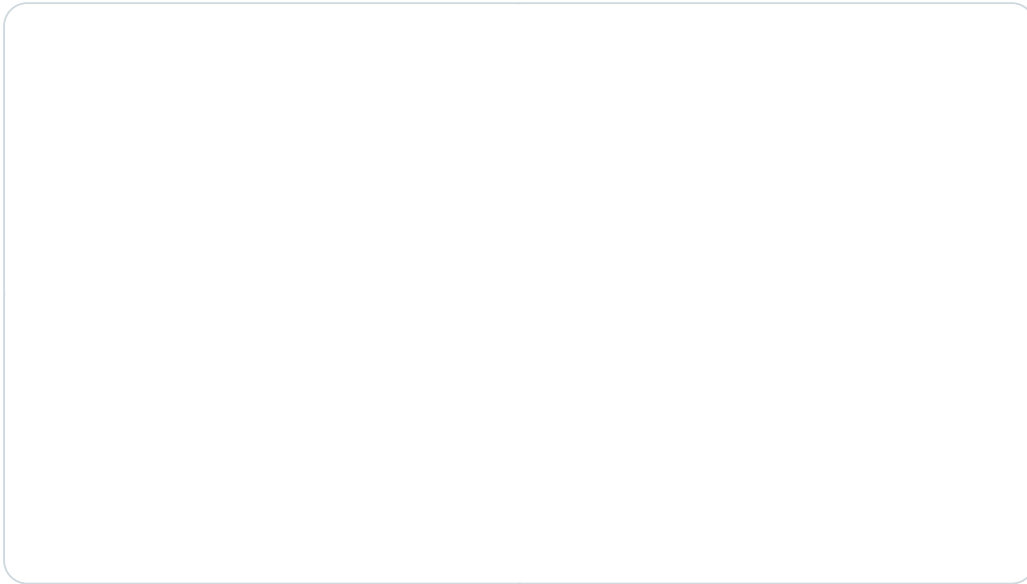
Union Minister for New & Renewable Energy Shri Pralhad Joshi said that the National Green Hydrogen Mission (NGHM) is accelerating India's clean energy shift and creating jobs, attracting investments, and positioning India as a global hub for green hydrogen. He was addressing the inaugural session of the 3rd International Conference on Green Hydrogen (ICGH 2025) at Bharat Mandapam, New Delhi, reaffirming India's global leadership in clean-energy transition.

Pralhad Joshi 
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Addressed the 3rd International Conference on Green Hydrogen and unveiled the logo of the National Green Hydrogen Mission — a symbol of India's collective vision for a cleaner future.

Under the leadership of Hon'ble PM [@narendramodi](#) ji, NGHM is accelerating India's clean energy [Show more](#)



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On the occasion, the Minister launched the official logo of the National Green Hydrogen Mission (NGHM) and announced a ₹100 crore Call for Proposals for pilot projects to develop innovative technologies for producing green hydrogen from biomass and waste materials. He also said that the new NGHM logo, chosen from more than 2,500 entries nationwide, represents the people's participation in India's green journey and the collective spirit and creativity driving the Mission.

National Green Hydrogen Mission: A Global Solution

The Minister said the NGHM, launched in 2023 with an outlay of ₹19,744 crore, is not only a national programme but a **global solution to decarbonise hard-to-abate sectors**. He observed that the launch of NGHM marked a new phase of India's clean-energy revolution—where green hydrogen is positioned as the fuel of a new civilization and a key to long-term energy independence.

Highlighting rapid progress under the Strategic Interventions for Green Hydrogen Transition (SIGHT) programme, the Minister informed that incentives have been awarded for 3,000 MW per annum of domestic electrolyser manufacturing and 8.62 lakh metric tonnes per annum of green hydrogen

production. India now records the world's lowest green ammonia price at ₹49.75 per kg for 7.24 lakh MTPA production.

In addition, ₹132 crore has been invested in five pilot projects for green steel, ₹208 crore sanctioned for 37 hydrogen-fuelled vehicles and nine refuelling stations, and ₹35 crore provided for the country's first hydrogen bunkering and refuelling facility at V.O. Chidambaranar Port.

₹100 Crore Call for Biomass-Based Hydrogen Pilots

Announcing the new initiative, Shri Joshi said the Ministry will invite proposals for **pilot projects using biomass and waste materials to produce green hydrogen**. A total of ₹100 crore has been allocated for these pilots, in addition to ₹100 crore already sanctioned for start-ups under the Mission. The scheme will be implemented through **BIRAC (Biotechnology Industry Research Assistance Council)** to encourage participation from industries, start-ups, and research institutions.

The Minister said the initiative would strengthen the innovation ecosystem and demonstrate new, cost-effective technologies capable of accelerating India's hydrogen transition.

Strengthening Skills, Standards and Global Competitiveness

The Minister highlighted that India is working to power its entire green hydrogen production through renewable energy. He also mentioned that 43 hydrogen-related skill qualifications have been approved, more than 6,300 trainees have been certified, and robust frameworks such as the **Green Hydrogen Standard (2023)** and **Certification Scheme (2025)** are in place along with 128 technical standards.

The Minister observed that with global economies adopting carbon-border adjustments, green hydrogen has become an economic necessity rather than an option. India, he said, is positioning itself to lead in clean value chains by ensuring that its growth remains both competitive and climate-resilient.

Shri Joshi said the International Conference on Green Hydrogen represents a global gathering of scientists, industry leaders, innovators and policymakers united by one goal — to build a cleaner, brighter and more sustainable future. "ICGH-2025 is more than a conference, it is a platform for global collaboration and collective action. As we move towards realizing the goals of the National Green Hydrogen Mission, India stands ready to work with international partners to build a resilient and inclusive green hydrogen ecosystem that powers sustainable growth for all", he said.

India Poised to Emerge as a Global Leader in Green Hydrogen Production and Exports

Speaking at the occasion, Prof. Ajay K. Sood, Principal Scientific Adviser to the Government of India, said that the International Conference on Green Hydrogen has become an important platform for aligning the country's scientific direction and policy vision towards one of the most consequential energy transitions of our time. He noted that the global demand for green energy is increasingly being driven by economic competitiveness and technological leadership, and Green Hydrogen stands at the confluence of these two forces.



Prof. Sood highlighted that the National Green Hydrogen Mission (NGHM) is progressing steadily across all four key pillars — policy, demand creation, research and development, and enabling infrastructure. He added that India enjoys a distinct low-cost advantage in producing green hydrogen compared to several other nations, which will enable it to become a major exporter to markets such as the European Union, Japan, and South Korea.

Secretary MNRE Highlights Broader Clean-Energy Progress

Addressing the session, Shri Santosh Kumar Sarangi, Secretary, MNRE, noted that the ICGH has evolved into a premier global platform for policy dialogue and innovation. He informed that India's non-fossil installed capacity now exceeds 250 GW, including about 130 GW solar, above 50 GW wind, and 17 GW bio-energy and small hydro. Guided by the Prime Minister's vision of "One Earth, One Family, One Future," India is on course to achieve 500 GW of renewable capacity by 2030, he said.



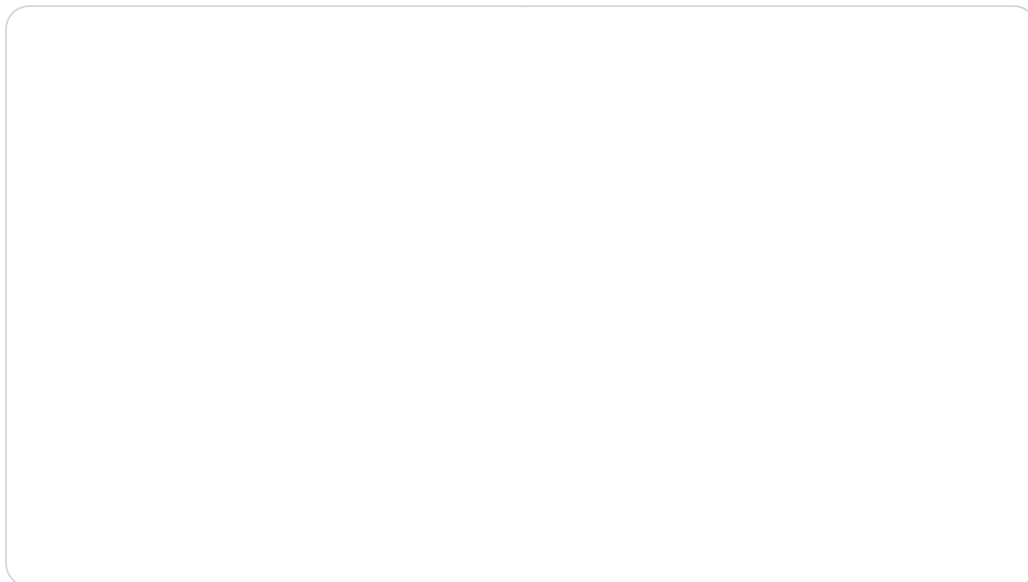
The Secretary said the Mission is expected to mobilise over ₹8 lakh crore investment, create six lakh jobs, and save ₹1 lakh crore in fossil-fuel imports annually. He also underlined ongoing pilots in transport, steel and shipping, the launch of the Green Hydrogen Certification Scheme and the establishment of four Hydrogen Valley Innovation Clusters in Jodhpur, Pune, Bhubaneswar and Kerala to promote regional research and manufacturing ecosystems. As India enters this new phase of the Green Hydrogen Mission, our focus will be on deep industrial decarbonization, technology partnerships, and global supply chain integration, he said.

Pralhad Joshi 

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Had a constructive interaction with Mr. Jorgo Chatzimarkakis, CEO of Hydrogen Europe, on strengthening cooperation in green hydrogen. We discussed opportunities for collaboration, accelerating the global green hydrogen ecosystem and expanding technology exchange between India and [Show more](#)



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107



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Jorgo Chatzimarkakis CEO, Hydrogen Europe and Shri Akash Tripathi, Managing Director SECI was also present at the event

About NGHM Logo

The logo for the National Green Hydrogen Mission (NGHM) symbolizes India's commitment to sustainable and clean energy. The design integrates a leaf and water drop, representing nature, purity and the eco-friendly essence of hydrogen energy.



The rising sun signifies renewable-energy sources such as solar power, a key driver in hydrogen production, while the semi-circular ring represents the orbit of hydrogen with an electron. The green field denotes growth, harmony and India's agricultural-environmental balance, and the hydrogen electron at the centre symbolizes scientific innovation and the clean-energy revolution. The overall composition reflects India's vision of a greener future through technology-driven sustainability and renewable-hydrogen power.

About International Conference on Green Hydrogen 2025

The Ministry of New and Renewable Energy (MNRE), Government of India, is hosting the 3rd International Conference on Green Hydrogen (ICGH-2025) on November 11–12, 2025, at Bharat Mandapam, New Delhi. The two-day event will bring together global policymakers, scientists, industry leaders, and innovators to discuss cutting-edge research, policy frameworks, and emerging technologies across the green hydrogen value chain.

Following the inaugural session, two plenary discussions set the stage for high-level deliberations on advancing the green hydrogen landscape. The conference will feature a series of plenary and breakout sessions designed to foster dialogue, innovation, and collaboration across the green hydrogen value chain. The plenary sessions will bring together senior government officials, global industry leaders, and experts to discuss policy frameworks, technological advancements, and international partnerships shaping the future of green hydrogen. Complementing these will be breakout sessions that provide focused discussions on key themes offering participants an opportunity to explore solutions and strategies for accelerating India's green hydrogen transition.

Navin Sreejith

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