

India on Track to Command 10% of Global Green Hydrogen Demand by 2030: Shri Shripad Y. Naik

‘Whole-of-Government, Whole-of-Nation’ Approach Driving India’s Green Hydrogen Ambition: Dr Jitendra Singh

Posted On: 12 NOV 2025 6:40PM by PIB Delhi

India is on track to command 10 percent of the global green hydrogen demand by 2030, said Union Minister of State for New and Renewable Energy & Power, Shri Shripad Y. Naik, while addressing the High-Level Address at 3rd International Conference on Green Hydrogen (ICGH 2025) at Bharat Mandapam, New Delhi today.

The Minister noted that *India’s energy transition is among the boldest and fastest in the world*, guided by the visionary leadership of Prime Minister Shri Narendra Modi and his Panchamrit commitments at COP-26. He said the country is steadily advancing toward its target of 500 GW of non-fossil-fuel capacity by 2030 and net-zero emissions by 2070.



He added that India's installed non-fossil-fuel-based power generation capacity has reached nearly 260 GW, led by solar and wind energy. "This strong renewable base has now empowered India to take the next decisive step - the Green Hydrogen Revolution- converting renewable strength into clean molecules that can decarbonise industries, fuel transport, and enable global trade," he said.

India Emerging as a Global Hub for Hydrogen Trade and Technology

Shri Naik pointed out that India's green hydrogen market is projected to grow at a compound annual rate of 20–40 percent over the next decade. With its renewable-energy abundance, strategic geography and enabling policy environment, India is poised to become both a leading producer and exporter of green hydrogen and its derivatives such as green ammonia and methanol.

He emphasised that India is not merely participating but *leading the global hydrogen transition* through robust policy frameworks, standardisation initiatives and international collaboration. The Minister urged industry and investors to accelerate project execution, scale up electrolyser manufacturing, and strengthen innovation pipelines. He also encouraged State Governments to develop hydrogen hubs and industrial clusters to anchor local economies.

Calling the Green Hydrogen transition an *economic, environmental, and societal transformation*, Shri Naik said it would fuel sustainable prosperity and strengthen India's position as a key pillar of the global hydrogen value chain.

National Green Hydrogen Mission Advancing from Vision to Action

Highlighting the rapid progress of the National Green Hydrogen Mission (NGHM) launched in January 2023, Shri Naik said the Mission has transitioned from planning to implementation, with incentive schemes worth ₹17,000 crore supporting green hydrogen production and electrolyser manufacturing.

Projects 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. The Solar Energy Corporation of India (SECI) has discovered globally competitive prices, among the lowest in the world, for the supply of 7.24 lakh MTPA of green ammonia to fertiliser units. Further, projects have been sanctioned for the supply of 20,000 MTPA of green hydrogen to IOCL, BPCL and HPCL refineries.

Shri Naik also added that ICGH 2025 highlights India's commitment to advancing green hydrogen technology, fostering innovation, and accelerating our journey toward a clean and sustainable energy future.

Integrated 'Whole-of-Government' Approach Strengthening India's Clean-Energy Ecosystem

Addressing the session, Union Minister of State (Independent Charge) for Science and Technology; Earth Sciences and Minister of State for PMO, Department of Atomic Energy, Department of Space, Personnel, Public Grievances and Pensions, Dr Jitendra Singh, commended the Ministry of New and Renewable Energy for bringing together researchers, scientists, industry leaders and start-ups under ICGH 2025 to deliberate on the opportunities and challenges in India's green hydrogen journey. He said such multi-stakeholder interactions foster collaboration between academia, innovators and industry, helping to translate research outcomes into market-ready technologies.



Dr Singh underlined that the Green Hydrogen Mission represents a successful example of the Government's "whole-of-government, whole-of-nation" approach, integrating efforts across ministries and sectors. He noted that several programmes initiated earlier by the Department of Science and Technology have been subsumed under the Green Hydrogen Mission, demonstrating how India is breaking traditional silos and adopting an integrated framework to advance strategic technologies. He said this collaborative model is crucial for achieving India's clean-energy goals and enhancing the country's global scientific standing.

The Minister highlighted that India's scientific missions, from biotechnology and biofuels to hydrogen, electric-mobility and nuclear energy, are being implemented with strong emphasis on public-private partnerships and long-term sustainability. Dr Singh said these efforts reflect a shift toward building a self-reliant and globally competitive hydrogen economy, aligned with the vision of Viksit Bharat at 2047.

India Emerging as One of the Fastest-Growing Green Hydrogen Ecosystems Globally

Shri Akash Tripathi, Managing Director, SECI underlined that India's pursuit of cleaner energy, industrial competitiveness, and global leadership in hydrogen aligns closely with the goals of the National Green Hydrogen Mission. He highlighted SECI's role through which globally competitive prices, among the lowest in the world, have been discovered for the supply of green ammonia. He said that these outcomes are strengthening the bankability of projects, attracting long-term capital, and enhancing investor confidence. Shri Tripathi said that the ongoing discussions at ICGH 2025 focus on integrating hydrogen production with industrial clusters, developing investment structures, and enabling blended finance mechanisms for large-scale industrial adoption.

Shri Abhay Bakre, Mission Director, National Mission for Green Hydrogen, said that within less than three years since the launch of the National Green Hydrogen Mission, India has emerged as one of the fastest-growing ecosystems for hydrogen development in the world. The discussions during the ICGH

2025 are aimed at refining strategies and identifying focus areas for the coming years.

Shri Vineet Mittal, Chairman Avaada Group, said that India's green hydrogen journey is rapidly transforming vision into reality through a combination of transparent policies, well-planned projects, and innovation-driven market mechanisms. He noted that India has emerged as a role model in renewable energy, leveraging its abundance of solar resources and technical expertise to become a leader in green energy production.

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.

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(Release ID: 2189326) Visitor Counter : 480
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