

Three Major Ports Recognised as Green Hydrogen Hubs under National Green Hydrogen Mission

Deendayal, V.O. Chidambaranar, and Paradip Ports identified for Development as Strategic Hydrogen Centres

“India’s ports will power the region’s transition to sustainable logistics through their strategic presence on global trade routes:” Shri Sarbananda Sonowal

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The Ministry of New and Renewable Energy (MNRE) has formally recognised three major ports Deendayal Port Authority (Gujarat), V.O. Chidambaranar Port Authority (Tamil Nadu), and Paradip Port Authority (Odisha) as Green Hydrogen Hubs under the National Green Hydrogen Mission (NGHM). This recognition marks a significant step towards creating an integrated hydrogen ecosystem and advancing India’s transition towards clean energy.

The National Green Hydrogen Mission, launched by the Government of India, aims to position the country as a global hub for the production, utilisation, and export of green hydrogen and its derivatives. The Mission promotes the development of large-scale hydrogen hubs to serve as focal points for production and consumption, thereby facilitating the establishment of a sustainable and competitive hydrogen economy.

Welcoming the development, the Union Minister of Ports, Shipping & Waterways (MoPSW), Sarbananda Sonowal said, *“This recognition marks a defining moment in India’s maritime journey as we transition to become a modern, capable and leader in the global maritime segment. Under the visionary leadership of Prime Minister Shri Narendra Modi ji, we are working towards building an ecosystem of sustainable development that will power India towards realising the vision of becoming net zero by 2070. Ports are an important nodes in this transition. As Green Hydrogen hubs, our ports will act as catalysts of clean energy innovation. As a maritime leader, India’s ports will not only empower their own country but also leverage its strategic positions along the eastern and western trade routes to drive the region towards sustainable logistics.”*

Recognising the logistical and technical challenges associated with long-distance hydrogen transport, the Mission adopts a cluster-based development model. This approach enhances early-stage project viability, enables infrastructure convergence, and helps achieve economies of scale in identified regions.

The revised scheme guidelines for setting up Hydrogen Valley Innovation Clusters (HVIC) and Green Hydrogen Hubs, issued on 27th June 2025, provide the framework for identifying and supporting potential regions capable of large-scale hydrogen activity. Under Component B2 of these guidelines, MNRE may recognise locations as Green Hydrogen Hubs without direct financial assistance, thereby facilitating access to incentives and benefits available under other central or state government schemes.

In accordance with these provisions, the competent authority has approved the recognition of Deendayal, V.O. Chidambaranar, and Paradip Port areas as Green Hydrogen Hubs. Projects established within these designated zones will be eligible for benefits available under other relevant schemes and policies of the Central and State Governments, including those linked to the National Green Hydrogen Mission.

The recognition of these ports is expected to catalyse industrial participation, attract green investments, and promote innovation in clean fuel technologies, supporting India's broader vision of achieving energy self-reliance and net-zero emissions by 2070.

This recognition has been issued with the approval of the competent authority.

SK/GDH/PN/DS

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