Day-2

Green Hydrogen Roundtable

Date : 24 October 2024

Venue : Conference Hall A, Chennai Trade Centre, Chennai, India.

Schedule : 14:30 – 15:30 hrs

Background

As the world accelerates its transition to sustainable energy, green hydrogen emerges as a vital element in achieving carbon neutrality. In India, wind energy plays a significant role in renewable energy production, and the integration of green hydrogen provides a pathway to enhance this sector. With India's ambitious renewable energy targets and supportive policy environment through the National Green Hydrogen Mission and other initiatives, the country is positioned to be a leader in the global green hydrogen market.

Green hydrogen in addition to it's role in industrial decarbonisation, can convert surplus wind power into a stable energy source, improving grid reliability and enabling energy storage for long durations. This integration is crucial for balancing supply and demand, enhancing grid resilience, and optimizing infrastructure investments.

The GH2 India roundtable at Windergy India 2024 aims to explore these opportunities, facilitating collaboration among stakeholders to drive the renewable energy transition.

Objectives

- **Integration of Renewable Energy:** Discuss strategies for integrating wind and solar energy with green hydrogen production .
    - Power infrastructure for the scaling up of renewables
    - Examining the challenges and opportunities in hybrid energy systems.
    - Case studies on successful integration projects.
- **Financing the Energy Transition:** Explore innovative financing mechanisms and investment opportunities for scaling green hydrogen and wind energy projects.

    - Identifying key investment areas and financial instruments for green hydrogen.

    - Public and private sector roles in funding renewable energy.
    - Innovative business models for sustainable energy projects.

- **Policy and Regulatory Frameworks:** Analyse current policies and propose frameworks to support green hydrogen and wind energy development in India.

    - Advances in electrolysis and hydrogen storage technologies.
    - Innovations and Digital solutions in wind energy technologies and their impact on efficiency.

- **Technology and Innovation:** Highlight advancements in technologies for producing, storing, and utilizing green hydrogen.

    - Exploring forms of Long Duration Energy Storage to build resilience inthe grid..
    - Proposed regulatory changes to facilitate growth in the sector.

Role of government and industry in shaping the future energy landscape.

Agenda

- **Welcome and Opening Remarks** – Mr. Nishaanth Balashanmugam, Director, GH2 India
- **Keynote Address** – Mr. Jonas Moberg, CEO, GH2
- **Panel Discussion**: Engaging discussion with government leaders and industry experts on the future of green hydrogen in India.
- **Roundtable Discussion**: Interactive session with participants to explore collaborative opportunities. Moderated by Mr. Sanmit Ahuja, CEO, Bharatia.
- **Summary of Key Takeaways**
- **Closing Comments**

Participants

- Government representatives
- Think tanks and NGOs
- Wind energy and green hydrogen developers
- Industry experts and researchers
- Financial institutions and investors

Expected Outcomes

- **Enhanced Understanding**: Insights into the integration of green hydrogen with wind energy.
- **Identification of Challenges**: Collaborative solutions for deploying green hydrogen technologies.

- **Policy Recommendations**: Concrete recommendations for supporting green hydrogen and wind energy projects.
- **Strengthened Networks**: Building partnerships among stakeholders in the renewable energy ecosystem.
- **Actionable Strategies**: Strategies to accelerate market adoption and scale up green hydrogen technologies.

Contact Information

For further information or to confirm your participation, please contact: india@gh2.org

Organisational Background

Green Hydrogen Organisation (GH2): A Swiss-registered non-profit foundation dedicated to accelerating global adoption and production of green hydrogen. GH2's activities include enabling environment, capacity building, market creation, and developing global standards for green hydrogen. Through its regional chapters, such as the Green Hydrogen Association (GHA) in India, GH2 provides local support and expertise, engaging with governments, private sectors, and civil society to foster innovation and support green hydrogen projects.

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