



Green Hydrogen
Standard

Green hydrogen producers and customers need clarity and consistency to plan for the long term.

- To secure government approvals and subsidies
- To sign offtake agreements
- To secure financing

➤ Adherence to sustainability standards will strongly influence pricing and export opportunities.

Customers and consumers want hydrogen that has close to zero-emissions and projects that contribute to sustainable development.

➤ Projects that meet the Standard will be licensed to use the label GH2 Green Hydrogen and will be eligible to obtain and trade GH2 certificates of origin for green hydrogen and derivatives such as green ammonia.



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Green Hydrogen Standard: A bridge between producer and consumer countries

A modular approach that covers different hydrogen products and applications.

Bridge between markets, accommodating differences in national standards.

A global approach reduces costs and builds the confidence that is needed to develop global markets.

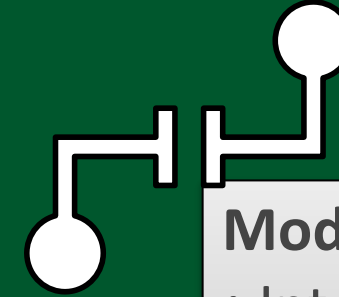
Producers can have their projects and products certified against a global standard. This includes verification of alignment with national standards and (optionally) the alignment with requirements in export markets.

Standards and regulatory framework in India



All eyes are on India!

- 2kg CO2 emission per kg of threshold over a 12-month period
- Well to gate system boundary including water treatment, electrolysis, gas purification, drying and compression of hydrogen



Modular standards at state level

- Interesting to witness how India's standard will be customised at the State levels.
- Inter-state collaborations to host the Renewables and Green Hydrogen Economy.



A work in progress

- Significant efforts from the MNRE and the Bureau of Indian Standards.
- Pioneering efforts by involving other line ministries like Ministry of Road Transport and Highways, Ministry of Railways and MoPNG



International acceptance

- Aligning with global standards and regulations is essential to enter the international market successfully.
- Adoption of relevant international standards will be key to market penetration.