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3rd Edition on

GREEN HYDROGEN IN INDIA
Policies, Projects, Opportunities and Next Steps
April 11-12, 2022 | Le-Meridien, New Delhi

Organisers:

RenewableWatch

POWERLINE

20 per cent “Early Bird” discount ends on March 14, 2022
Register Now
Green hydrogen has emerged as one of the most promising markets in the clean energy space in India as well as globally. Several developments have been taking place in both policy spheres as well as at industry level that indicate the high market potential for this fuel.

The National Hydrogen Mission was formally launched in August 2021, which includes an ambitious plan to make India a global hub for the production and export of green hydrogen. A National Hydrogen Energy Mission document is being formulated to scale up green hydrogen production and utilisation across multiple sectors.

Further, mandates for green hydrogen application have also been proposed for industries like fertiliser companies and petroleum refineries.

Several projects and collaborations have been announced by both public sector companies like NTPC, Indian Oil and Gas Authority of India Limited as well as leading clean energy players like Adani Green Energy, Reliance Industries, ACME, and Ayana. The increasing scale and size of these projects will help in bringing down the costs of green hydrogen. This uptake is being supported by finance from leading lenders and investors.

While these developments are encouraging, a lot needs to be done to promote large-scale uptake of green hydrogen in India. Urgent steps need to be taken in the form of policy incentives to bridge the gap between the fossil fuel-based hydrogen and green hydrogen. Moreover, measures are required to incentivize domestic manufacturing of electrolysers. Further, relevant standards and regulations regarding production, safety, storage and transportation need to be established to bring confidence amongst the investor and developer community.

The mission of this two-day conference is to bring together policymakers, renewable energy developers, oil and gas companies, technology providers, researchers, consultants and investors to present their perspectives, share experiences from early projects, and deliberate on next steps to promote large-scale uptake of green hydrogen in India. This conference will highlight the various opportunities, technology solutions, cost economics and outlook for green hydrogen development in India.
AGENDA

POTENTIAL, APPLICATION AND TRENDS
- What are the potential end use cases for green hydrogen in India?
- What are the key challenges in promoting large-scale uptake? How can the major barriers be addressed to speed up green hydrogen growth?
- What is the future outlook? Which sectors are expected to witness the highest growth?

INCENTIVISING GREEN HYDROGEN IN INDIA
- What are the key initiatives and plans of government for supporting production and transport of green hydrogen? What are the expected targets?
- What mandates are being introduced for green hydrogen application?
- What is the strategy to promote domestic manufacturing of electrolysers?

SECI’S TENDERING TRAJECTORY
- What are SECI’s plans in the green hydrogen space?
- Are there any large-scale tenders planned in the green hydrogen space?
- Will the upcoming tenders be technology neutral?

GREEN HYDROGEN UPTAKE PLANS OF LEADING DEVELOPERS
- What are the company’s plans for green hydrogen production?
- What are your recent collaborations and technology tie-ups in this space?
- What are the potential business models and cost economics?
- What are the key barriers and outlook?

FINANCING GREEN HYDROGEN PROJECTS
- What are the emerging financing options in green hydrogen segment?
- What are the key challenges for financiers to invest in these projects? Which are the key considerations that need to be evaluated in financing green hydrogen projects?
- What is needed to drive investment in green hydrogen and to address financial and commercial risks?

STORAGE CONSIDERATIONS FOR GREEN HYDROGEN
- How can existing oil and gas infrastructure be used for storing green hydrogen?
- What modifications are required?
- Which Indian standards cater to hydrogen storage and safety considerations?

FOCUS ON ELECTROLYSER TECHNOLOGIES
- Which are the key electrolyser technologies in use today?
- Which is the most suitable technology for Indian scenario?
- What measures need to be adopted for promoting large scale manufacturing of electrolysers in India?

TRANSPORT OF GREEN HYDROGEN
- How can existing oil and gas infrastructure be used for transporting green hydrogen?
- What modifications are required?
- What role can oil and gas companies play in creating a green hydrogen ecosystem?

FOCUS ON FUEL CELLS
- What is the market potential for fuel cells in India?
- What have been the key recent developments in this space? How has the growth curve evolved?
- What are the key barriers in uptake? What needs to be done to resolve these challenges?

ROLE OF GREEN HYDROGEN IN GRID FLEXIBILITY
- What are the various applications of green hydrogen on grid side?
- How can green hydrogen storage help ensure grid stability?
- What are some examples or case studies?

COMMERCIAL VIABILITY OF GREEN HYDROGEN PROJECTS
- Which are the emerging business models for investing in the green hydrogen economy?
- What are the current capex and opex considerations? How is the cost likely to evolve over the next few years?
- What are the key solutions to de-risk project development?
TARGET AUDIENCE

The conference will draw participation from:

- Green hydrogen developers
- Renewable energy developers
- Policy makers and regulators
- Power utilities
- Transmission grid operators
- EPC Contractors
- Technology providers
- Engineering and technical consultants
- Management consultants
- Energy Storage providers
- Equipment manufacturers
- Potential Investors
- Private Equity firms
- Financial Institutions
- Industry Analysts
- R&D Organisations, etc.

PREVIOUS PARTICIPANTS

TERMS AND CONDITIONS

Payment Policy

- Full payment must be received prior to the conference. For discounted rates, the payment must be received on or before the discount expires.
- Substitution and name changes are welcome at no extra charge.

Disclaimer

- Indian Infrastructure shall assume no liability whatsoever in case the event is postponed or cancelled due to a fortuitous event or unforeseen occurrence that renders the performance of this conference impracticable, illegal or impossible.
  
  For purpose of this clause, a fortuitous event shall include, but not be limited to: war, fire, labour strike, extreme weather or other emergency.
- Please note that it may become necessary for reasons beyond the control of the organisers to make alterations to the content and timing of the programme or speakers.

GET IN TOUCH

For registration and sponsorship opportunities:

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DELEGATE FEE

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- There is a 20 per cent discount before March 14, 2022
- GST @18 per cent is applicable on the registration fee.
- Registration will be confirmed on receipt of the payment.

Organiser

The conference is being organised by India Infrastructure Publishing, the leading provider of information on the infrastructure sectors through magazines, newsletters, reports and conferences. The company publishes Power Line, Renewable Watch, tele.net, Indian Infrastructure and Smart Utilities magazines.