

5th Edition
GREEN HYDROGEN IN INDIA
Key Developments and Future Roadmap
April 18-19, 2023
Le Meridien, New Delhi

OUTLINE AGENDA/SCHEDULE (DAY ONE)
INVITED SPEAKERS/ORGANISATIONS

8:30 A.M. – 9:20 A.M.	REGISTRATION, TEA/COFFEE AND NETWORKING
9:30 A.M. – 9:40 A.M.	WELCOME REMARKS
	<ul style="list-style-type: none"> Welcome Remarks by Renewable Watch
9:40 A.M. – 10:10 A.M.	KEY TRENDS AND DEVELOPMENTS
	<p>Questions/Topics:</p> <ul style="list-style-type: none"> What have been the key recent developments in the green hydrogen space? What are the current cost considerations? How is the cost likely to evolve over the next few years? What are the potential barriers for green hydrogen uptake? What are the key pre-requisites to enable a green hydrogen economy in India? <ul style="list-style-type: none"> Presentation by Prashant Vashisht, VP & Co-Head, Corporate Ratings, ICRA...<i>plus Q&A (CONFIRMED)</i>
10:10 A.M. – 10:50 A.M.	FOCUS ON THE NATIONAL GREEN HYDROGEN MISSION
	<p>Questions/Topics:</p> <ul style="list-style-type: none"> What are the key features of the mission? What are the targets and budgets? What incentives have been planned on the demand and supply sides? What can be expected from the next phase of the policy? <ul style="list-style-type: none"> Presentation by Dr V.K. Saraswat, Member, Niti Aayog...<i>plus Q&A</i>
10:50 A.M. – 11:20 A.M.	INDIA'S SUPPORT TO GERMANY IN GREEN HYDROGEN
	<p>Questions/Topics:</p> <ul style="list-style-type: none"> Germany - Challenges facing in the future Huge Business Potential for India Concrete Project outlined for importing ammonia to Germany <ul style="list-style-type: none"> Presentation by Kiran Bhojani, CEO, Lili Navitas, Green Hydrogen Solutions, Germany and India...<i>plus Q&A (CONFIRMED)</i>
11:20 A.M. – 11:50 A.M.	TEA/COFFEE AND NETWORKING BREAK
11:50 A.M. – 12:20 P.M.	SPONSOR SESSION
	<ul style="list-style-type: none"> Presentation by África Castro, Business Development Head, GreenH, H2B2...<i>plus Q&A (CONFIRMED)</i>
12:20 P.M. – 1:20 P.M.	PERSPECTIVE OF RENEWABLE ENERGY DEVELOPERS
	<p>Questions/Topics:</p> <ul style="list-style-type: none"> What are your plans in the green hydrogen space? What are the potential business models and cost economics? What are the key barriers and their likely solutions? What are your expectations from the next phase of the policy? <p>Panel discussion among:</p> <ul style="list-style-type: none"> Arnav Sinha, Vice President - New Energy Business, Greenko Group (CONFIRMED) DMR Panda, General Manager (Green Hydrogen), NTPC (CONFIRMED) Sandeep Kashyap, Chief Operating Officer, ACME Group (CONFIRMED) Ranjit Gupta, Founder and CEO, Ocior Energy (CONFIRMED) Plus Q&A
1:20 P.M. – 1:50 P.M.	STATE PERSPECTIVE: KREDL
	<p>Questions/Topics:</p> <ul style="list-style-type: none"> What are the state's plans for green hydrogen uptake? Has the state drafted any policy in this regard? What are the key upcoming green hydrogen projects in the state? <ul style="list-style-type: none"> Presentation by K.P. Rudrappaiah, Managing Director, Karnataka Renewable Energy Development Limited...<i>plus Q&A (CONFIRMED)</i>
1:50 P.M. – 2:40 P.M.	LUNCH
2:40 P.M. – 3:40 P.M.	UPTAKE PLANS OF OIL AND GAS MAJORS
	<p>Questions/Topics:</p> <ul style="list-style-type: none"> What are company plans to incorporate green hydrogen in their future strategies? What modifications are required in the existing oil and gas infrastructure to store and transport green hydrogen? What are the key limitations with respect to green hydrogen integration? <p>Panel discussion among:</p> <ul style="list-style-type: none"> Alok Sharma, Executive Director, Centre for High Technology, Ministry of Petroleum & Natural Gas, Govt. of India (CONFIRMED) Sunit Verma, Executive Director, Gas Marketing, GAIL (India) Ltd (CONFIRMED) Ravi, Director General, ONGC Energy Centre (CONFIRMED) Nitin Yadav, Chief Manager - Head Business Development & Strategy (Natural Gas/Hydrogen) / Energy Transition · Bharat Petroleum Corporation Limited Kapil Maheshwari, President, Renewable Energy and Green Hydrogen Ecosystem Development, Reliance Industries Limited A representative from IOCL Plus Q&A

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3:40 P.M. – 4:10 P.M.

UPTAKE PLANS OF INDUSTRIES

Questions/Topics:

- What are your plans regarding green hydrogen uptake?
- What are the current challenges in replacing grey hydrogen with green hydrogen?
- What incentives are required to scale up green hydrogen adoption in industries?
- Presentation by **Kalyan Kumar Bhattacharjee**, CSO, Jindal Stainless....*plus Q&A (CONFIRMED)*

4:10 P.M. – 4:40 P.M.

FOCUS ON GREEN AMMONIA AND GREEN METHANOL

Questions/Topics:

- Which are the key derivatives of green hydrogen?
- What is the cost viability of producing green ammonia and green methanol?
- What are the key issues in their production and supply?
- Presentation by **Shirish Garud**, Senior Fellow and Director, Renewable Energy Technologies, TERI...*plus Q&A (CONFIRMED)*

DAY ONE WRAP UP AND CLOSING REMARKS

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OUTLINE AGENDA/SCHEDULE (DAY TWO)

8:30 A.M. – 9:20 A.M.	REGISTRATION, TEA/COFFEE AND NETWORKING
9:20 A.M. – 9:30 A.M.	RECAP OF DAY ONE
	<ul style="list-style-type: none"> Recap of day one by India Infrastructure Research
9:30 A.M. – 10:00 A.M.	STATE PERSPECTIVE: KERALA
	Questions/Topics: <ul style="list-style-type: none"> What are the state's plans for green hydrogen uptake? Has the state drafted any policy in this regard? What are the key upcoming green hydrogen projects in the state? <ul style="list-style-type: none"> Presentation by Narendra Nath Veluri, CEO, ANERT...<i>plus Q&A</i>
10:00 A.M. – 10:30 A.M.	DOMESTIC MANUFACTURING OF ELECTROLYSERS
	Questions/Topics: <ul style="list-style-type: none"> How is the domestic manufacturing landscape for electrolyzers evolving? What are the major roadblocks to scale up local manufacturing? What are the key incentives required to promote domestic production of electrolyzers? <ul style="list-style-type: none"> Presentation by a representative from Ohmium...<i>plus Q&A</i>
10:30 A.M. – 11:00 A.M.	STORAGE AND SAFETY CONSIDERATIONS
	Questions/Topics: <ul style="list-style-type: none"> What are the key concerns regarding hydrogen storage and transport? Which Indian standards cater to hydrogen storage and safety considerations? What regulatory steps are required in the near future? <ul style="list-style-type: none"> Presentation by Gaurav Jayaswal, SCIENTIST-B, Bureau of Indian Standards...<i>plus Q&A</i>
11:00 A.M. – 11:30 A.M.	GREEN HYDROGEN ADOPTION IN TRANSPORT
11:30 A.M. – 12 NOON	GREEN HYDROGEN ADOPTION IN TRANSPORT
	Questions/Topics: <ul style="list-style-type: none"> What is green hydrogen's potential to decarbonise road mobility, shipping and aviation? What have been the key recent projects and developments in this space? What are the key barriers to uptake? <ul style="list-style-type: none"> Presentation by Manas Majumdar, Partner, KPMG...<i>plus Q&A</i>
12 NOON – 12:30 P.M.	FOCUS ON FUEL CELLS
	Questions/Topics: <ul style="list-style-type: none"> What is the market potential for fuel cells in India? What have been the major developments in this space? What incentives are required to scale up manufacturing of fuel cells? <ul style="list-style-type: none"> Presentation by a leading sector expert...<i>plus Q&A</i>
12:30 P.M. – 1:20 P.M.	FINANCING GREEN HYDROGEN PROJECTS
	Questions/Topics: <ul style="list-style-type: none"> What are the emerging financing options in the green hydrogen segment? What are the key considerations that need to be evaluated in financing green hydrogen projects? What are the key solutions to de-risk project development? <p>Panel discussion among:</p> <ul style="list-style-type: none"> Rishi Shukla, Executive Director, EverSource Capital (CONFIRMED) Swetarko Banerjee, CFA, Vice President, KfW IPEX-Bank (CONFIRMED) Chintan Shah, Former Director Technical, IREDA (CONFIRMED) Gagan Sidhu, Director, CEEW Centre for Energy Finance (CEEW-CEF) (CONFIRMED) <i>Plus Q&A</i>
1:20 PM onwards	LUNCH