

## GLOBAL HYDROGEN & RENEWABLE ENERGY SUMMIT 2025

### *Pathway to net zero future*

12-13 MARCH 2025, GRAND HYATT, KOCHI

#### DRAFT AGENDA

	Day-1 (12 March 2025)
09:00-10:00 Hrs	Registration
10:00-11:30 Hrs	<p><b>Inaugural session: India's Energy Roadmap 2030 – Enablers of Sustainable Development</b></p> <p><b>Welcome address: Dr. Ravi Gupta</b>, Founder, Publisher and Editor-in-Chief Elets Technomedia</p> <p><b>Context setting: Narendra Nath Velluri</b>, Chief Executive Officer, Agency for New and Renewable Energy Research and Technology (ANERT)</p> <p><b>Industry perspective:</b> Industry Leader</p> <p><b>International perspective-</b> Ambassador/High Commissioner</p> <p><b>Special address:</b> NITI Aayog</p> <p><b>Keynote addresses:</b> G-20 Sherpa Secretary- MNRE, Power, MoPNG, MoRTH, MOCA, DPIIT, DST, GOI</p> <p><b>Special Address: K.R.Jyothilal</b>, Additional Chief Secretary, Power Department, Government of Kerala</p> <p><b>Guest of Honors address:</b> Hon'ble Power Minister, Government of Kerala Hon'ble Ports Minister, Government of Kerala</p> <p><b>Chief Guest Address:</b> Hon'ble Union Power Minister, Hon'ble Chief Minister of Kerala</p>
11:30 - 12:00 Hrs.	Inauguration of Expo by the Chief Guest
12:00 - 12:30 Hrs.	<b>Special Presentation:</b> Kerala- Pioneering sustainable development through energy efficiency, electrification, and renewables
12:30 - 13:30 Hrs.	<p><b>CXO Roundtable: Green Hydrogen - New Frontiers in Energy Transition</b></p> <ul style="list-style-type: none"><li>• Hydrogen Production Pathways (Electrolysis, Waste to Hydrogen, Bio-CNG)</li><li>• Focus on H2 Mobility: Heavy-duty trucks, maritime, aviation</li><li>• Role of Green Hydrogen in Decarbonizing Hard-to-Abate Sectors (Steel, Cement, Chemicals)</li><li>• International Collaboration and Investments in Hydrogen Projects</li></ul>

13:30-14:30 Hrs.	Networking Lunch
14:30- 15:30 Hrs (Hall A)	<b>International perspective- Cross-Sectoral Decarbonization Strategies (transport, water, power, industry, and urban planning)</b>  Key global trends, developments and partnership opportunities
14:30 - 15:30 Hrs. (Hall B)	<b>Panel Discussion 2: Innovations in RE Landscape for a greener future</b> <ul style="list-style-type: none"> <li>• Floating Solar / Hybrid RE / Battery Innovations</li> <li>• Smart grids &amp; IOT- Modernizing grid infrastructure to integrate with RE</li> <li>• Innovations in energy efficiency technologies</li> <li>• Energy storage</li> <li>• Role of AI in managing energy efficiency, demand forecasting, and grid optimization</li> <li>• Decentralizing energy- rooftop solars and micro grids</li> </ul>
15:30- 15:45 Hrs.	<b>Technology Presentations</b>
15:45-16:00 Hrs	Networking Tea
16:00-17:00 Hrs.	<b>Panel discussion 3- GH2 Technology and emerging Trends</b> Summary of day's proceedings
17:00 Hrs onwards	Site visit (CIAL/BPCL)
19:30- 21:00 Hrs	Networking Dinner

Contd Day 2...

DAY-2 (13 March 2025)

10:00-10:30 Hrs.	<b>Opening keynote- GOI perspective-</b> Reimagining energy to meet the vision of Viksit Bharat @2047
10:30-11:30 Hrs.	<b>Session 3: Financing the Clean Energy Transition</b> <ul style="list-style-type: none"><li>• Leveraging Green Bonds, Carbon Markets, and International Climate Finance</li><li>• The Role of PPP Models in Driving Decarbonization</li><li>• Moderated Q&amp;A with Representatives from World Bank, KfW, and GCF</li></ul>
11:30-12:00 Hrs.	Networking tea
12:00 - 1 3:00 Hrs	<b>Session 4- Climate resilient energy infrastructure- Building an energy secure planet</b> <ul style="list-style-type: none"><li>• Vulnerability of energy systems to climate events</li><li>• Diversifying energy mix</li><li>• Integrating energy storage systems (ESS) with renewable energy generation for enhanced reliability</li><li>• Resilient energy T&amp;D systems, smart, flexible and micro grids</li><li>• Energy Storage for backup power, peak load management and stabilizing renewables</li></ul>
13:00 - 1 3:30 Hrs	Technology presentation
13:30 - 1 4:30 Hrs	Networking lunch
14:30 - 1 5:45 Hrs	<b>Session 5- Energy transmission &amp; distribution: Leveraging emerging technologies for driving operational efficiencies</b> <ul style="list-style-type: none"><li>• Smart Grids for real-time management</li><li>• Advanced metering infrastructure (AMI) for efficiency gains</li><li>• Role of AI, ML and Blockchain in grid optimization and data driven decision making</li><li>• Edge Computing and IoT- Decentralizing data processing, improved grid monitoring and operational efficiency</li><li>• 5G and advanced communication networks</li><li>• Geospatial analytics and drone technology</li><li>• Energy storage for load balancing</li></ul>
15:45- 16:45 Hrs	<b>Gala award ceremony:</b> Presentation of Elets Energy Innovation Awards
16:15- 16:30 Hrs.	Closing address & vote of thanks

**Invitees:**

1. Policy Makers from MoP, MNRE, MoPNG, MoRTH, MOCA, DPIIT, DST, NITI Aayog, GoI
2. Heads of Missions- Embassies, International Agencies and Development Partners
3. Officers from Power/Energy deptts of other state governments
4. Power/Energy officers from Kerala
5. Bureau of Energy Efficiency, IREDA and Energy PSUs
6. Industry players
7. MNCs from participating countries
8. Energy experts/Research agencies/Think Tanks