

For Immediate release

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Green Hydrogen and Advanced Batteries will enable deeper decarbonization

- IESA with 140+ members working across energy storage ecosystem currently has 20+ members working on hydrogen.
- The United States Department of Energy (DOE), India's Ministry of New and Renewable Energy (MNRE) and the US India Strategic Partnership Forum (USISPF) jointly launched a US-India Hydrogen Task Force.
- IESA's launched in 2020, the Mobility and Infrastructure with Green Hydrogen Technologies (MIGHT) Initiative to accelerate the adoption of green hydrogen technologies in India.
- IESA recently submitted recommendations on the Draft National Hydrogen Energy Mission to Ministry of New and Renewable Energy (MNRE).
- Organized a series of three roundtables during 2020-21 to bring all Indian and global stakeholders including technology providers, policymakers, and industry players to brainstorm and discuss appropriate Hydrogen roadmap for India.

Pune, India: Green Hydrogen as a new energy storage medium is witnessing a growth momentum and more than 25 nations have set up roadmaps and financial incentives over past 2 years. Wind and solar energy coupled with energy storage can provide the electricity to power homes and electric vehicles, while green hydrogen could be an ideal low-carbon option for energy-intensive industries like oil refining, steel, cement, fertilizer, heavy mobility, and industrial heating. India Energy Storage Alliance (IESA), India's leading alliance on energy storage, hydrogen & e-mobility is organizing annual flagship event on hydrogen and fuel cell, "Hydrogen India Conclave" on 23rd June 2021 focused on both mobility and industrial applications. The event is supported by Niti Aayog, Methanol Institute and Government of UK is the official Country partner and Ador Powertron is the associate partner for the event.

India has already emerged as one of the lowest cost renewable energy leader and Indian government plans to reach 450 GW of RE deployment by 2030. Green Hydrogen can provide the additional demand that will enable the Renewable energy to help in deeper decarbonization of industrial, petrochemical and fertilizer sector. Green Hydrogen projects are also expected to increase the demand for batteries as electrolyzers need continuous green electricity for optimal operation.

Dr Rahul Walawalkar, President, India Energy Storage Alliance said, *"We aim to leverage our industry building experience to help India explore and seize the opportunities in the emerging hydrogen market. This is the decade for Indian industries to invest in early-stage technologies and make India a global hub for manufacturing, deployment and R&D of advanced energy storage technologies including green hydrogen. We at IESA, are continuously working on addressing the challenges ahead and formulate a way forward in collaboration with the industry and the government."*

Green Hydrogen is the next big revolution in the energy storage story and IESA is fully committed to India's potential to be a Green Hydrogen powerhouse. IESA is dedicating significant resources to support India's hydrogen mission and already concluded three international roundtables and two events highlighting

India's renewed focus. IESA has also roped in Mr. Kowtham Raj VS, Energy storage expert from the National Think-Tank NITI Aayog as Director of New Initiatives to lead the Green Hydrogen activities."

IESA has already given its written comments on the Draft Hydrogen Mission document shared by the ministry and works closely with MNRE, NITI Aayog and various member companies to grow this nascent industry. IESA has 20+ members actively pursuing hydrogen which includes Bosch, Cummins, HPCL, Oil India, Renew Power, Toyota Kirloskar, KPIT, ACME, H2E, Hero Future Energies, Thermax, and others. It also counts the World Bank and International Finance Corporation as its valued members, as these international agencies lead the financing conversation on Green Hydrogen globally. In addition, IESA is exploring new partnerships and collaboration with more electrolyzers, refining, fuel-cells, steel, and fertilizer companies into its platform.

IESA closely works with various international alliances & organizations from USA, UK, Canada, Germany, China, Japan, Korea, South Africa, MENA, Norway, Scotland, Finland, Australia, and other countries to promote bilateral partnership, technology transfer and global collaboration. IESA signed MoUs with MENA Hydrogen Alliance and with Greenstat Hydrogen India, respectively to accelerate the development of Hydrogen in India.

IESA anticipates that Advanced Chemistry Cell Battery Manufacturing Program and Hydrogen Mission can enable India to fast-track de-carbonization of the grid, heavy-industries, and transportation sector in the coming decade.

About India Energy Storage Alliance (IESA):

India Energy Storage Alliance (IESA) is the premier alliance focused on the advancement of energy storage, hydrogen, and e-mobility technologies in India. The alliance was founded in 2012 by Customized Energy Solutions (CES). IESA's vision is to make India a global hub for R&D, manufacturing and adoption of advanced energy storage and e-mobility technologies. In the last nine years, IESA member circle has grown from 5 to 140+ members and covers verticals from Energy Storage & EV Manufacturers, Charging Infrastructure, Research institutes & universities, Renewable Energy companies, Hydrogen, Microgrids, Start-ups and Power electronics companies.

IESA website: www.indiaesa.info

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