

Advait Infratech unveils Green Hydrogen Microgrid System at THDCIL, Rishikesh



Rishikesh (Uttarakhand), January 26, 2024: With the motto of sustainable energy solutions and a cleaner, greener future, Advait Infratech Limited, a prominent player in the renewable energy sector, has inaugurated a 300 kW Green hydrogen Production plant and 70 kWh PEM Fuel Cell at the THDC India Limited (THDCIL) office complex in Rishikesh.

The project, initiated on January 5, 2023 was inaugurated on January 26, 2024.

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Key Features of the Hydrogen Plant

Advait's pioneering microgrid system incorporates a 300 kWh Alkaline Electrolyser, capable of generating 50 kg of high-purity hydrogen during daylight hours.

This hydrogen is stored in a state-of-the-art 24m³ storage tank, pressurized at 30 bar, ensuring its availability when needed. During nighttime, the stored hydrogen seamlessly powers a 70 kWh fuel cell, feeding energy into THDC's grid and contributing to a more stable and sustainable power supply.

The project exemplifies the company's dedication to environmental sustainability and its determination to reduce its carbon footprint, the officials from Advait Infratech said. The utilization of hydrogen-based energy systems is seen as the way forward in mitigating climate change and achieving a cleaner environment.

Shalin Sheth, Director of Advait Infratech, said, "The inauguration of this cutting-edge hydrogen plant marks a big moment in our commitment to environmental sustainability and innovation. Our team's dedication and expertise have made this achievement possible, and we believe it sets a precedent for the renewable energy industry."

Mallikarjuna.B, CEO of Advait Greenergy Pvt Ltd, said that the Rishikesh hydrogen plant not only showcases Advait's commitment to clean energy but also serves as an inspiration to others in the industry. "It stands as a symbol of the company's vision to promote sustainable practices and reduce the environmental impact of energy generation," he added.

Expanding Green Initiatives

In addition to the Rishikesh project, Advait Infratech Limited is expanding its green initiatives further. The company has also established an electrolyser & fuel cell local manufacturing facility in Ahmedabad, Gujarat, where it is eligible for the government's Production Linked Incentive (PLI) scheme with a capacity allocation of 100 MW electrolyser. This initiative is in alignment of Advait's ongoing commitment of integrating innovation and government initiatives for a cleaner and more sustainable environment.

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