



Jakson Achieves Global First: CO₂-to-Methanol Synthesis for NTPC Limited

- *This project marks a significant milestone for **JAKSON GREEN***
- *The plant is expected to significantly reduce carbon emissions from the power station, contributing to India's climate goals.*

New Delhi, India, November 14, 2024: Jakson Green, a new energy transition platform, has achieved a historic milestone in collaboration with NTPC, successfully synthesizing methanol from captured carbon dioxide. This ground-breaking project is located at NTPC's Vindhyachal Thermal Power Plant in Madhya Pradesh, India.

Conceived and conceptualised by NETRA (NTPC Energy Technology Research Alliance), the R&D arm of NTPC Limited, this innovative plant captures CO₂ directly from the flue gas emissions and converts it into methanol, a versatile and cleaner fuel which can be further used for applications like power generation and transportation.

Commenting on this remarkable achievement, **Mr. Bikesh Ogra, CEO and Managing Director, Jakson Green Private Limited** said, *"We are incredibly proud to partner with NTPC in bringing this transformative project to life. This project is particularly special for us, as it marks the first instance of producing methanol from captured carbon, and it will also stand as the inaugural commissioned project in the Indian green molecule space. This achievement underscores Jakson Green commitment to advancing sustainable innovations in the new energy sector"*.

Upon successfully producing the first few drops of methanol, **Mr. E.K.S Sreekumar, Head of Strategy at Jakson Green Private Limited**, stated, *"As the EPC contractor, we are honoured to have led the engineering, procurement, and construction of this landmark project on turnkey basis in partnership with NTPC & their technology provider. This first-of-its-kind endeavour has provided invaluable learning experiences for our team, empowering us to tackle future challenges and deliver innovative solutions in such upcoming projects"*.

This landmark project sets a new standard for the global energy industry, showcasing the transformative power of carbon capture and utilization. Jakson Green is at the forefront of new energy solutions, executing six marquee Power-to-X projects, including two more projects for NTPC: India's first green hydrogen refueling station for urban mobility and the world's first CO₂-to-4G ethanol plant. The company remains committed to collaborating with NTPC on their various pioneering initiatives that will shape a sustainable future.

About Jakson Green:

Jakson Green, a new energy transition platform backed by India headquartered Infrastructure and Renewable major, Jakson Group, focusses on EPC, IPP, IHP and O&M of new energy assets spanning solar, utility-scale storage, waste-to-energy, fuel cell technologies, gasification-based projects, green hydrogen, and green ammonia projects. Promoted and led by Bikesh Ogra, a renewable sector veteran with over 15GW of experience across 26 countries, the firm has built up an impressive global presence in a short span since its inception and plans to deliver 15GW by 2030.



The firm has recently set up the electrolyser manufacturing unit, besides building and operating green hydrogen assets globally, in line with its vision of being a power-to-X player cumulatively producing over 0.5 million tons per annum of green hydrogen/ammonia by 2030.

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