

Jakson Green wins NTPC bid to Spearhead the World's First Flue Gas CO₂ to 4G Ethanol Project

- *The Project will produce 10TPD 4G Ethanol from flue gases*
- *25 TPD carbon dioxide will be captured from the flue gases, reducing greenhouse gas emissions*
- *3 TPD Green Hydrogen will be generated through 7.5 MW Electrolyser*

New Delhi, 19 June 2024: – Jakson Green, a leading new energy transition platform, has been awarded a critical role in India's ground-breaking project towards a greener future: establishing the world's first flue gas CO₂ to 4G ethanol project for a power plant. As the Engineering, Procurement, and Construction (EPC) partner, Jakson Green will spearhead this project targeted for operation within two years. The Plant has been conceptualized & designed by NETRA (NTPC Energy Technology Research Alliance), the R&D arm of NTPC Limited.

Located in Lara, Chhattisgarh, this project will produce 10 tons per day (TPD) 4G Ethanol from flue gases, marks a major advancement in clean energy space. Using the latest Carbon capture technology by Veolia Carbon Clean, the plant will capture 25 TPD CO₂ from the flue gases, significantly reducing greenhouse gas emissions. Additionally, 3 TPD Green Hydrogen will be generated through 7.5 MW Electrolyser. The captured CO₂ and generated H₂ are combined via advanced microbial fermentation technology from LanzaTech Inc., converting these inputs into 4G Ethanol.

Commenting on the significance of the project, **Mr. Kannan Krishnan, Joint Managing Director of Jakson Green Private Limited** said, *"We take immense pride in continuing our longstanding relationship with NTPC to establish the landmark project. This partnership builds upon the success of our numerous joint projects, further solidifying our commitment to revolutionizing Power-to-X mission. Increasing the production of Ethanol is crucial to achieving India's blending goals, strengthening energy security, and fostering a cleaner future. We are proud to be at the forefront of this transformative project, paving the way for a brighter, more sustainable future."*

This ground-breaking project reinforces company's position as a frontrunner in the India's green molecule space. With over 8,500 TPA of green hydrogen and its derivatives production capacity under development across six marquee Power-to-X projects, Jakson Green is uniquely positioned to spearhead India's clean energy transition and contribute to 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 10GW 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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