

By the start of the following fiscal year, India's oil and gas companies hope to build a combined 38,000 tonnes of green hydrogen production capacity.

According to the energy transition advisory council for the petroleum ministry, the combined electrolyzer capacity for the envisioned green hydrogen facilities will require 279 MW by 2024–2025.

115 MW of electricity will be available to Hindustan Petroleum's refineries in Barmer and Visakhapatnam. The largest refiner in the nation, Indian Oil, intends to construct 56 MW capacities at its Mathura and Panipat refineries, while gas pipeline operator GAIL is aiming for 60 MW capacities.

Bharat Petroleum is aiming for 25 MW, whereas Numaligarh Refinery and Mangalore Refinery and Petrochemicals are aiming for 20 MW and three MW capacity, respectively.

Green hydrogen is a key component of India's energy transition strategy. With an investment of ₹8 lakh crore, it hopes to achieve green hydrogen production capacity of at least five million metric tons annually by 2030.

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