

Hydrogen-fuelled bus rolls out with green msg at Kumbh

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Lucknow: Two months after successfully operating green hydrogen-fuelled buses at sub-zero temperatures on the world's highest motorable road, the National Thermal Power Corporation (NTPC) and the Mini-



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stry of New and Renewable Energy (MNRE) unveiled their eco-friendly public transport system at the Maha Kumbh Mela on Tuesday. The service will soon commence operations from Greater Noida, connecting various cities and towns in Uttar Pradesh.

The 42-seater, 12-metre-long hydrogen bus, which emits only water vapour, can travel over 600km on a single refuelling of its 50-litre hydrogen tank.

As part of the green hydrogen mobility project,

which promotes cleaner and more sustainable transportation, the hydrogen-fuelled bus is currently operational in Leh and is set to expand its reach from Greater Noida to Agra and other nearby regions in Uttar Pradesh. NTPC is also rolling out similar services in Kandla and Bhubaneswar. In addition, NTPC is developing the Pudimadaka Green Hydrogen Hub in Andhra Pradesh, which will be India's largest green hydrogen project.

Speaking to The Times of India, Ritwick Ghosh, project manager at NTPC, said, "We currently have two versions of the green hydrogen-fuelled bus. One is a nine-metre-long model with a seating capacity of 33 passengers, capable of covering over 300 kilometres with 25 litres of fuel. This version is designed for inter-city operations in Leh and Kandla (Gujarat). The 12-metre-long bus, on the other hand, is intended for intra-city public transport in Greater Noida and Bhubaneswar."

Countries such as China, various European nations, and India are increasingly focusing on green hydrogen mobility as a sustainable solution for reducing emissions.