

NTPC hands over five hydrogen fuel cell buses to SIDCO at Green Hydrogen Mobility Station Leh

Leh, 18 June 2025: In a landmark move towards clean and sustainable transportation, a formal handing and taking over ceremony was held today at the NTPC Green Hydrogen Mobility Station, Palam, Leh, marking the transfer of five hydrogen fuel cell-based buses from NTPC Limited to the State Industrial Development Corporation (SIDCO), UT Ladakh.

This initiative represents the first-ever commercial deployment of hydrogen-powered buses in India, and that too at the highest altitude anywhere in the world, making it a globally significant milestone in green mobility.

The ceremony was held in the presence of Administrative Secretary, Transport Department, Bhupesh Chaudhary, the Additional Deputy Commissioner, Leh, along with senior officials from NTPC, SIDCO, and other concerned departments also participated in the event.

Following the formal flag-off of the hydrogen buses, Secy. Bhupesh Chaudhary conducted a detailed inspection of NTPC's Green Hydrogen Plant, including its production, storage, and dispensing systems. He appreciated NTPC's efforts in implementing such a technologically advanced project in Ladakh's high-altitude terrain and noted its significance in furthering the UT Administration's vision of a carbon-neutral Ladakh.

Subsequent to the flag-off, the NTPC team called on Chief Secretary, Pawan Kotwal, apprised him of the project's successful implementation. The Chief Secretary lauded NTPC's pioneering efforts and observed that the successful operationalisation of hydrogen buses in such extreme conditions could usher in a new era of hydrogen fuel cell mobility in India. He also directed the NTPC team to document the entire experiment and operational learnings, so that it may serve as a benchmark for similar initiatives in other regions of the country.

This initiative, developed through the collaborative efforts of the UT Administration and NTPC, stands as a testament to India's growing leadership in renewable energy innovation and represents a major leap toward sustainable public transport in ecologically sensitive and strategically vital regions.





