

Uttar Pradesh Deepens Green Energy Ties with Japan

Uttar Pradesh Advances Global Partnerships for Green Hydrogen and Clean Energy

Osaka/Lucknow, 28 July 2025 – In a forward-looking move towards a cleaner, greener tomorrow, the state of Uttar Pradesh is actively pursuing global collaborations, technology transfer, and investments in green hydrogen and renewable energy in Japan.

A high-level delegation from Uttar Pradesh, led by Shri Awanish Awasthi, Advisor to the Hon'ble Chief Minister of Uttar Pradesh, includes Shri Vijay Kiran Anand, CEO of Invest UP, and Shri Inderjit Singh, Director of the Uttar Pradesh New and Renewable Energy Development Agency (UPNEDA). The team has embarked on a series of strategic engagements aimed at positioning the state as a hub for clean energy innovation.

One of the key highlights of the delegation's visit was an in-depth interaction centered around the *Toyota Mirai*—a next-generation hydrogen fuel cell vehicle. The car, which emits only water by converting hydrogen and oxygen into electricity, stands as a powerful symbol of the zero-emission mobility Uttar Pradesh seeks to promote.

The delegation is exploring potential partnerships in green hydrogen manufacturing and the establishment of Centres of Excellence (CoEs) to drive innovation in sustainable energy and mobility. These efforts represent a significant step toward building a robust ecosystem for green hydrogen and other clean energy solutions in Uttar Pradesh. As part of the visit, the delegation also toured the University of Yamanashi's Hydrogen and Fuel Cell Nanomaterials Center, a leading institution in advanced fuel cell research.

Director UPNEDA, has expressed keen interest in expanding cooperation with global institutions to enhance clean energy production in the state. The focus lies on boosting capacity in solar energy, small-scale hydroelectric projects, and biomass-based electricity—resources that are critical to Uttar Pradesh's renewable energy ambitions.

The delegation is also committed to securing technology transfers that will allow Uttar Pradesh to produce clean, affordable renewable energy domestically. This initiative aligns with the state's broader vision of becoming a leader in the green energy transition and supporting India's climate goals.

As part of their Japan visit, the delegation visited several advanced facilities, including the *NESRAD Green Hydrogen Plant*, the *Suntory Hakushu Distillery*—which demonstrates Power-to-Gas (P2G) technology—and the *Hydrogen Research Center* in Yamanashi. These visits will provide valuable insights into global best practices and innovative solutions that can be adopted in Uttar Pradesh.
