

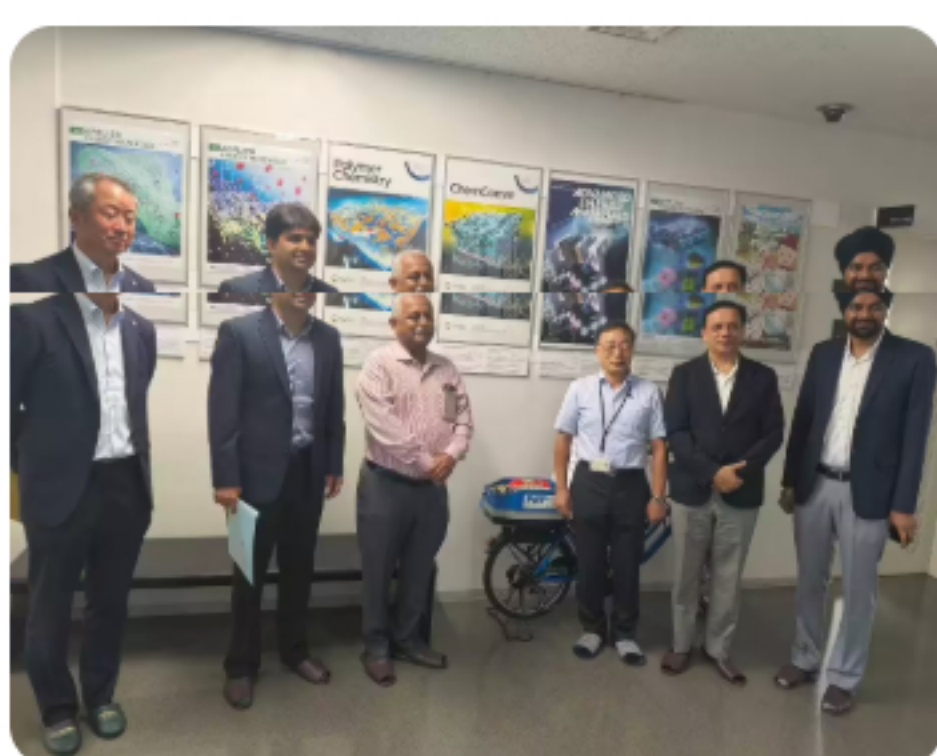
# Uttar Pradesh seeks green hydrogen, clean energy collaborations with Japan

A delegation team, led by Awanish Awasthi, Advisor to the CM, is in Japan to explore potential partnerships for green hydrogen production and the establishment of Centres of Excellence to support innovation in sustainable energy and mobility.



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Published On Jul 28, 2025 at 05:35 PM IST



A delegation from the Uttar Pradesh government is in Japan to explore opportunities for collaboration, technology transfer and investment in green hydrogen and renewable energy. The visit is part of the state's broader

efforts to strengthen its clean energy initiatives and attract global partnerships in the sector.

The delegation is led by Awanish Awasthi, Advisor to the Chief Minister and includes Vijay Kiran Anand, CEO of Invest UP and Inderjit Singh, Director of the Uttar Pradesh New and Renewable Energy Development Agency (UPNEDA), as per the official statement. Their engagements are aimed at positioning Uttar Pradesh as a key player in clean energy innovation and development.

A major focus of the visit was a detailed interaction on the Toyota Mirai, a hydrogen fuel cell vehicle that emits only water by converting hydrogen and oxygen into electricity. The vehicle was highlighted as an example of the kind of sustainable mobility solutions the state is interested in promoting.



The Uttar Pradesh team is exploring potential partnerships for green hydrogen production and the establishment of Centres of Excellence to support innovation in sustainable energy and mobility. During the visit, the delegation

toured the University of Yamanashi's Hydrogen and Fuel Cell Nanomaterials Center, known for its research in advanced fuel cell technologies. UPNEDA Director Inderjit Singh expressed interest in expanding collaboration with international institutions to enhance the state's capacity for clean energy production. Areas of focus include solar energy, small-scale hydropower and biomass-based electricity.

The delegation is also seeking technology transfers that could enable domestic production of affordable renewable energy. These efforts align with the state's long-term goals to support India's clean energy transition and climate commitments.

The team also visited several advanced facilities, including the NESRAD Green Hydrogen Plant, the Suntory Hakushu Distillery—which utilizes Power-to-Gas (P2G) technology—and the Hydrogen Research Centre in Yamanashi. These visits are expected to provide insights into global best practices that could be implemented in Uttar Pradesh.