
Self-sufficiency in energy to drive UP's economic growth

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Uttar Pradesh, with ambitious targets centered on solar and bio-energy, aims not only to achieve 100 per cent electricity availability across the state, but also to lay a solid foundation for a one-trillion-dollar economy through renewable energy. Working in mission mode, the government is set to make UP self-sufficient in energy within the next two and a half to three years.

A major push is underway to expand solar energy access. Under Prime Minister Narendra Modi's PM Suryaghar Yojana, the state has set a target to connect 2.5 million households to solar energy within the next three years. So far, over 48,000 homes have been equipped with solar panels, with another 30,000 expected to benefit by the end of the fiscal year. This initiative

not only aims to strengthen home energy supply but also to promote environmental conservation and reduce electricity costs.

Similarly, the PM Kusum Yojana aims to generate 2,000 megawatts of solar energy by 2027. This programme enables farmers to install solar panels on unused land, providing an additional income source while enhancing sustainable energy production across the state.

The Yogi Adityanath government is driving major initiatives to boost large-scale solar energy projects across Uttar Pradesh, including developing solar parks with a combined capacity of 4,800 MW, with the tendering process underway. Plans are also in place to establish floating solar projects across seven reservoirs, in partnership with National Thermal Power Corporation (NTPC), Tehri Hydro Development Corporation (THDC) and

Satluj Jal Vidyut Nigam (SJVN). By 2027, the state aims to reach a solar power generation capacity of 14,000 MW.

Additionally, the Yogi administration is advancing toward bio-energy self-sufficiency. Over the next two years, it has set ambitious targets to expand bio-compressed gas capacity to 1,000 TPD, bio-coal to 4,000 TPD, and bio-diesel to 2,000 KLPD. Currently, bio-compressed gas plants with a 210 TPD capacity are operational, with further projects in progress. This bio-energy initiative not only seeks to curb pollution, but will also create new employment opportunities.

In anticipation of future energy demands, particularly for new industries, the government has laid a detailed blueprint for enhancing power infrastructure over the next decade.