



PM Surya Ghar Yojana: UP thriving on sunshine

PM Surya Ghar is more than a scheme—it's a remarkable endeavour aimed at securing cleaner, more resilient energy with UP playing a major role

“ India is going to spend Rs 11 trillion on infrastructure. A large part of this will surely go to the energy sector. You can see how India is continuously increasing energy capacity. We have announced solar rooftop installation for 1 crore houses. The electricity produced by these homes will reach the grid directly. Solar value chain offers great investment opportunities.”

Narendra Modi
Prime Minister

PM Surya Ghar Scheme is a major plank in the government's strategy towards universal access to power with an allocation of Rs 75,000 crore. It seeks to install solar rooftops on 1 crore households. This will catalyse India's shift towards sustainable energy. Riding on the wave of major demand from consumers—with over 1.3 crore registrations done till July 2024—the central government has acted swiftly to ensure that the supply is met by addressing issues related to technology for smooth functioning of the platform, mobilisation of funds, and boosting equipment availability. Following the scheme's launch, the CM Yogi Adityanath-led government has committed to contribute 25 lakh solar rooftops to the goal set by the Centre. So far, registration has been completed for installing solar rooftops on over 18 lakh houses. The installation of solar rooftops has already been completed for more than 25,000 homes in the state.

UP'S COMMITMENT TO RENEWABLE ENERGY

Uttar Pradesh has left an indelible mark in the realm of solar energy. Over the past seven years, the state has made significant strides in this sector, serving as a guiding light for the entire nation. During this period, Uttar Pradesh has successfully added approximately 2,300 MW of solar energy

PM SURYA GHAR YOJANA WILL LIGHTEN UP 25 LAKH HOMES 300 UNITS OF FREE ELECTRICITY

Under the PM Surya Ghar Yojana, 25 lakh households in UP will have solar rooftop panels, which will provide 300 units of free electricity to these households. So far, 18 lakh registrations have been done under the scheme. The scheme will offer ample electricity, reduce electricity bill and create new avenues for employment.

Plant Capacity	Subsidy by Central Govt. (Rs)	Subsidy by UP Govt. (Rs)	Total Estimated Subsidy
1 KW	30,000	15,000	45,000
2 KW	60,000	30,000	90,000
3 KW	78,000	30,000	1,08,000
4 KW	78,000	30,000	1,08,000
5 KW	78,000	30,000	1,08,000

- Estimated cost of the plant is Rs 60,000 per KW
- Working capacity of the solar panels will be 25 years
- 3 KW plant @Rs 1800 on easy EMIs
- Bank loan available at only 7% interest
- After the commissioning of the solar panel, subsidy will be directly transferred to the beneficiary's account
- 2/3rd savings on electricity bills

capacity. This remarkable feat owes its success to the unwavering commitment of the UP government, complemented by policies like the UP Solar Energy Policy 2022, solar cities and 'Har Ghar Solar' Yojana. These policies have not only paved way for new investment opportunities but also delivered substantial benefits to both investors and the public.

UP's proactive approach to renewable energy extends beyond policies. The state is actively exploring innovative financing models to make solar installations more accessible to lower-middle-class population. Collaboration with financial institutions and the adoption of EMI schemes are among some of the strategies being deployed by the state government. Demand aggregation and data analytics are also playing a crucial role in UP's solar initiative. Partnerships with NGOs and the utilisation of drone and satellite-mapping technology are helping the state identify potential areas for solar installations. The state's commitment to solarisation extends to municipal assets, aiming for a minimum of 10% renewable energy consumption.

Today, UP has established electricity connections, set up industries, and made extensive arrangements for power. The state is delivering 24-hour electricity to district headquarters, 20 to 22 hours to tehsil headquarters, and 18 to 20 hours to rural areas.

THE EXPANDING SOLAR UMBRELLA FOR FARMERS



Solar pumps in UP

Under PM Kusum Yojana, more than 54,000 farmers are being provided double-engine solar pumps by the government in 2024-25. The switchover to cleaner form of energy will bring down carbon emission and irrigation cost and will help in covering the areas where power is not available and farmers have no option but to use diesel to operate irrigational tools in such areas. Such initiatives in state have the potential to yield promising results.

BUDGETARY PROVISION:

- Under PM Kusum Component C-1, Rs 100 crore allocated for solarisation of private on-grid pumps
- Rs 60 crore allocation for the implementation of Uttar Pradesh State Bio-Energy Policy 2022

PM Narendra Modi inaugurated three solar power stations of total 200 MW capacity in Uttar Pradesh earlier in March 2024—in Parasan (75 MW) and Gurhah (75 MW) in Jalaun district and Gujrai (50 MW) in Kanpur Dehat. Together, the three solar power stations are expected to cut carbon emissions by over 5 lakh tons in the state

PHOTO: UTTAR PRADESH GOVT