

what you know about PM-Suryodaya Yoj. ? How will the scheme help in self sufficiency in India's energy needs.

The demand for energy in India is set to double by 2047. On this backdrop the PM Suryodaya Yojana has been launched to improve the uptake of rooftop solar connectivity.

PM Suryodaya Yojana

The mission aims to install over 1 crore rooftop solar modules to provide electricity for the low and middle income groups.

The scheme provides 300 units of monthly free electricity through solar which can save upto ₹ 15,000 to 18,000 annually to the households.

The Budget 2024-25 had allocated ₹ 10,000 Crores for solar installations which can greatly support the scheme.

India had pledged to produce 50% of energy from non-fossil fuels by 2030. In order to make this a reality self sufficiency in solar is the way forward.

Towards self sufficiency

2-1. of the multidimensionally poor households are poor due to lack of electricity. The scheme, in order to serve these people as a priority can amplify the existing Production linked Incentive scheme.

In 2022, the Ministry of New and Renewable energy allocated 48,000 mw of domestic solar PV modules in two tranches under the scheme.

Import reduction Increase in local demands can reduce the import

of Chinese-made solar modules which have already dropped from 9.80 INR to 2.30 INR in 2023.

International efforts such as the International Solar Alliance can improve the grid connectivity and can light up homes of the people of India.

Challenges Cross the opportunities, challenges such as the losses during the transmission dept. burden of the discoms can hamper the success of the scheme.

Bright future
The Suryaodaya yojana packs myriad of benefits in making India self sufficient in solar. The scheme can also be converged with Awas yojana and smart cities mission for better outcome of benefits.