



# Bhutan's new infrastructure for solar base stations

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Generated on: 2026-04-04 14:20:25

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What is Bhutan's energy security & sustainable growth policy?

Titled "Empowering Energy Security & Sustainable Growth," the policy consolidates and supersedes several prior frameworks, including the Bhutan Sustainable Hydropower Development Policy 2021, Alternative Renewable Energy Policy 2013, Domestic Electricity Tariff Policy 2016, and National Energy Efficiency & Conservation Policy 2019.

What is Bhutan's national energy policy 2025?

Bhutan's National Energy Policy 2025 (NEP 2025), released in June 2025 by the Ministry of Energy and Natural Resources (MoENR), represents a pivotal shift in the country's energy strategy.

Is Bhutan a green energy exporter?

Market-Oriented Reforms: Establishing a domestic trading platform and regional interconnections (e.g., via Renewable Energy Certificates) positions Bhutan as a green energy exporter, potentially boosting revenues beyond the current 38% electricity share in total energy supply (793 KTOE in 2022).

What will Bhutan's NEP 2025 entail?

With Bhutan's techno-economically viable hydropower potential at 23,000 MW (from 90 sites outside ecological parks), solar at 12,000 MW, wind at 800 MW, and biomass at 2,700 GWh annually, the NEP 2025 sets ambitious targets: 25,000 MW total generation capacity by 2040, including 15,000 MW hydropower and 5,000 MW solar.

A core feature of Bhutan's strategy is linking solar energy to community development. Initiatives such as solar-powered irrigation, cold storage, milling, and food-processing facilities aim to strengthen ...

The Distributed Solar for Public Infrastructure Project (DSPIP)--DGPC's first-ever solar photovoltaic (PV) venture--was inaugurated on November 15, 2025, at the Bhutan Automation and ...

To realise its ambitious solar goals, Bhutan needs more than just infrastructure-- it needs a sustainable, market-driven energy sector. At present, the country's energy market is state led.

In a decisive effort to accelerate renewable energy adoption, the Asian Development Bank (ADB) has



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finalized a USD 30 million loan agreement with Bhutan's Royal Government. The ...

Explore Bhutan's transformative National Energy Policy 2025 (approved June 2025): how it consolidates previous energy frameworks into one cohesive NEP, opens hydropower and solar to ...

Project Name Distributed Solar for Public Infrastructure Project Project Number 56325-001 Country / Economy Bhutan Project Status Active Project Type / Modality of Assistance Loan ...

Private investors eyeing solar energy have three prime destinations: Bumthang, Wangdue, and Trongsa. Together, these dzongkhags hold the highest potential--2,099 megawatts ...

As Bhutan's glaciers melt and hydropower becomes increasingly vulnerable to climate change, the Kingdom is turning its face toward the sun--literally. With rising temperatures and erratic rainfall ...

In a significant move to bolster renewable energy, the Asian Development Bank (ADB) signed a USD 30 million loan agreement with the Royal Government to support the Distributed Solar ...

Bhutan unveils its National Solar Energy Roadmap, leveraging solar plants and renewable energy to bolster energy security and achieve self-sufficiency by 2025.

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