

Bhutan s new energy storage mechanism





Overview

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.

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.

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).



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