

Bhutan Industrial Energy Storage Project Investment





Overview

What is Bhutan's integrated energy strategy?

The objectives driving this integrated strategy are clear: Guarantee long-term energy security; fuel sustainable socio-economic growth; enhance resilience against climate change; ensure continued access to reliable and competitive energy; and position Bhutan in the forefront of clean energy development.

What are the policies governing the energy sector in Bhutan?

1.8 The energy sector was governed by several policies, such as the Bhutan Sustainable Hydropower Development Policy-2021, Alternative Renewable Energy Policy-2013, Domestic Electricity Tariff Policy-2016 and National Energy Efficiency & Conservation Policy-2019.

Will Bhutan add 5000 MW of hydropower by 2040?

He underlined Bhutan's target of adding 15,000 MW of hydropower and 5,000 MW of solar capacity by 2040, positioning clean energy at the core of its economic growth. The Wangchhu project is the first to be executed under a broader agreement signed in May 2025 between Adani Group and DGPC to jointly develop 5,000 MW of hydropower in Bhutan.

Does Bhutan need long-term energy security?

With growing demand, where the peak power demand has outpaced firm power supply by 125% in 2024 which is expected to increase further, securing the country's long-term energy security has become ever more a priority. For Bhutan, long-term energy security means meeting winter demands when our hydropower generation ebbs to the lowest.

What is Bhutan's hydropower potential?

1.3 Bhutan is endowed with huge hydropower potential together with solar, wind and biomass resources. The techno-economically viable hydropower potential is 33,000 MW from 90 sites as per the Power System Master Plan



2040 (PSMP), where these sites are mostly located outside of the ecological parks and the biological corridors.

What are the requirements for land acquisition & leasing in Bhutan?

The land acquisition and leasing shall be carried out in accordance with the Land Act of Bhutan 2007 and its regulations and guidelines, as may be amended from time to time. 8.2 In case of the private land required for Renewable Energy project, the DoE will facilitate its acquisition and conversion to SRF.



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[MEDIA RELEASE: Bhutan Signs MoU with Adani for 5,000 MW ...](#)

It will support Bhutan in scaling up its hydropower capacity and facilitating access to Indian energy markets. As part of this collaboration, Adani will ensure reliable power offtake ...

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[Energy Sector Roadmap For Implementing Bhutan's NAP](#)

Enhance the climate resilience of Bhutan's energy sector by diversifying renewable energy generation, distribution and storage options while mitigating climate impacts on infrastructure ...

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Bhutan electricity storage units

Bhutan's electricity supply is based on mainly hydropower. Hydropower is a strategic national resource and the main driver of the economic growth. It forms functions including ...

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Bhutan Smart Energy Storage Power Station Construction Project

The Mangdechhu Hydroelectric Project Authority has officially handed over the 720 MW



Mangdechhu hydropower plant in Bhutan to Druk Green Power Corporation. He also ...

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Invest Bhutan

Call for Project Proposals: The Department of Industry is pleased to announce an open call for project proposals and Investment Ready Projects. Submit to Invest Bhutan ...

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Thimphu Power Storage: Bhutan's Answer to Renewable Energy ...

With hydropower providing 80% of its electricity, Thimphu's facing a modern dilemma: how to store surplus monsoon energy for dry winters. The Thimphu Power Storage initiative, launched ...

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[Bhutan signs MoU with Adani Group for the ...](#)

The governments of Bhutan and India strongly support the initiative and aligns with Bhutan's Renewable Energy Roadmap, which targets ...

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[Bhutan Commercial and Industrial Energy Storage System ...](#)

In the ever-evolving era of clean energy, energy storage technology has become a focal point in the energy industry. Energy storage systems bring flexibility, stability, and sustainability to ...

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[MEDIA RELEASE: Bhutan Signs MoU with Adani for ...](#)

It will support Bhutan in scaling up its hydropower capacity and facilitating access to Indian energy markets. As part of this collaboration, ...

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Hydrogen Roadmap of Bhutan

Green hydrogen economy will create new jobs especially in renewable energy sector, contribute to economic growth, ensure a cleaner environment, strengthen industrial competitiveness and ...

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Adani Power, Druk Green to build 570 MW hydroelectric project in Bhutan

6 days ago· Adani Power, India's private power producer, and Bhutan's state-owned Druk Green Power Corporation (DGPC) on Saturday signed key agreements to develop the 570 MW ...

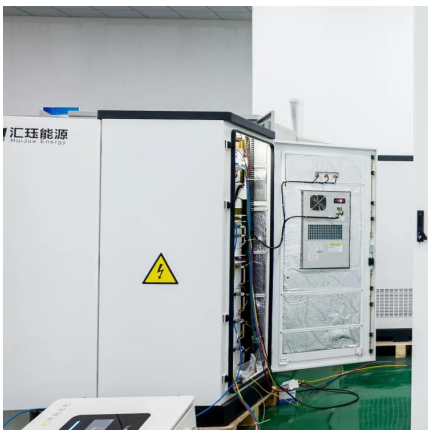
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[ESIA sought for integrated Gongri-Jeri hydro and pumped ...](#)

The open-loop pumped storage project, with a maximum capacity of 1800 MW, is designed with inflow connected to the upper reservoir and a tailrace tunnel connected to the ...

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Power deal with Tata worth Nu 480 bn and to include pump storage

Bhutan plans to achieve this target through diversification in its energy portfolio beyond the traditional hydropower to solar and geothermal, and diversifying project structuring ...

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Adani Power, Druk Green to build 570 MW hydroelectric project ...

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[Adani, Druk Green Power to develop 5,000 Mw hydro ...](#)

The initiative aligns with Bhutan's Renewable Energy Roadmap, which aims to achieve an additional 20,000 MW of generation capacity by ...

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[Bhutan Signs MoU With Adani For 5,000 MW Hydropower ...](#)

Thimphu, 8 May 2025: The Adani Group and the Druk Green Power Corporation (DGPC) of Bhutan have signed a landmark Memorandum of Understanding (MoU) to jointly develop ...

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Industrial energy storage Bhutan

While the home energy storage market and industrial segment both grew last year and are expected to continue growing, the large-scale segment slowed down and saw just nine ...

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[Reliance Power to build 500 MW solar project in Bhutan](#)

"The landmark solar investment in Bhutan underscores Reliance Group's strategic focus on expanding its renewable energy portfolio, while reinforcing its long-term commitment ...

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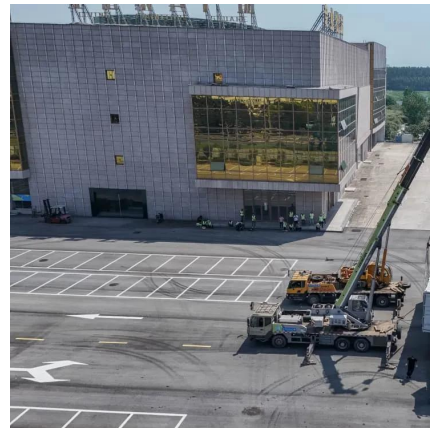
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[Bhutan Clean Energy: Tata Power, Druk Green ink ...](#)

New Delhi: In a significant step towards regional energy security and clean energy collaboration, Tata Power Company Limited and Bhutan 's ...

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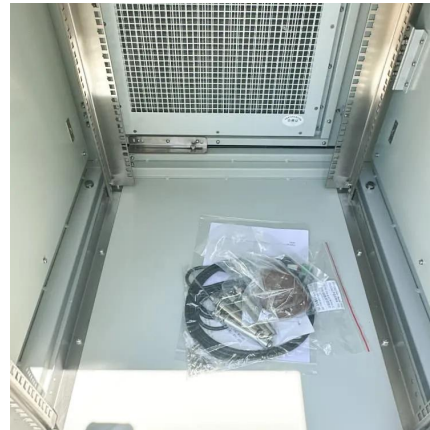




Bhutan energy storage

The opening of the cold storage facility was a collaborative effort between Bhutan's Ministry of Energy and Natural Resources (MoENR) and the International Solar Alliance (ISA) based in ...

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bhutan s new energy storage project flexible electronic energy storage

Flexible wearable energy storage devices: Materials, ... New-generation flexible electronic devices require flexible and reliable power sources with high energy density, long cycle life, ...

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Bhutan electricity storage units

Energy in Bhutan has been a primary focus of development in the kingdom under its Five-Year Plans. In cooperation with India, Bhutan has undertaken several hydroelectric projects whose ...

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NATIONAL ENERGY POLICY 2025

"I want to emphasise three immediate priority areas that will support the Gelephu project: Energy, Connectivity, and Skills. First, we need to further expand our energy sector. We should tap all ...

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