



## Bhutan Power Grid Energy Storage Standards

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 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 (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 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. NATIONAL ENERGY POLICY For Bhutan, long-term energy security means meeting winter demands when our hydropower generation ebbs to the lowest. MINISTRY OF ENERGY AND NATURAL RESOURCES Planning Data Standards 32. Under this Planning Code, standards for data collection shall be prepared by the Transmission Licensee considering the following: Bhutan Grid Code Regulation to establish the rules, standards and procedures governing the operation, maintenance and development of the Transmission System for safe, secure, Bhutan Power Corporation Limited Bhutan Power Corporation (BPC) is pleased to publish the 'Power Data Book (PDB)', which presents yearly statistics on BPC's system performances, details of the transmission and A Comprehensive Review of Bhutan's National Energy Policy Multi-purpose reservoirs and pumped storage with solar hybrids are prioritized for firm power. Solar and other renewables (wind, geothermal, biomass) are promoted via PPPs, STATE OF KNOWLEDGE REPORT FOR BHUTAN Particularly in today's context of concerns on climate change and the opportunities offered by storage energy technologies, countries like Bhutan and Nepal stand to gain the sooner they BHUTAN ENERGY STORAGE BATTERY COSTS TRENDS Is the Bhutan energy storage project useful With hydropower providing 80% of its electricity, Thimphu's facing a modern dilemma: how to store surplus monsoon energy for dry winters. Long-Term Energy Scenarios (LTES) for developing Working groups and technical committees instituted under the directives of the Bhutan Power System Coordination Committee to assess emerging energy security threats at national level. 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 NATIONAL ENERGY POLICY For Bhutan, long-term energy security means meeting winter demands when our hydropower generation ebbs to the lowest. 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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