



# Bhutan promotes solar water pump transformation

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Title: Bhutan promotes solar water pump transformation

Generated on: 2026-05-22 16:35:30

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With Bhutan ratifying the Framework Agreement and becoming a full member of the International Solar Alliance (ISA) in October 2022, the momentum of collaboration between the ISA and the Royal ...

After years of grappling with unreliable irrigation, farmers will soon benefit from a solar-powered water lift system that draws water from the Mochhu River. Farmlands will now be irrigated ...

Bhutan's Druk Green Power Corporation and India's Carbon Resources Private Limited have agreed to collaborate on new solar and hydropower projects in Bhutan with capacities between ...

The objective of the training is to impart knowledge on the basics of solar water pumping systems, role of operators, preventive maintenance and basic troubleshooting procedures.

This training aimed to strengthen technical capacity among Bhutanese engineers to design and implement solar-powered lift irrigation systems -- a key climate-resilient solution.

To address these challenges and ensure a reliable and sustainable electricity supply, it is important for Bhutan to diversify its energy sources. Solar and wind power offer viable alternatives that can ...

To meet its annual power needs, Bhutan uses solar power alongside hydropower in a complimentary manner. This promotes climate adaptation by diversifying the power generation ...

Given the projected dry season deficits (Figure 2), solar power is the best-placed generation technology in Bhutan which can help reduce dry season imports during the daytime given the faster construction ...

Nearly all of Bhutan's electricity comes from its glacier-fed hydropower plants. In a first major step towards diversifying its energy mix, the Himalayan Kingdom initiated a 180-kW grid-tied ...



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Two pilot projects, each with 180 MW capacity, have already demonstrated solar's potential, particularly during winter when hydropower output drops. A core feature of Bhutan's strategy is linking solar ...

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