

A-Core Container

Bhutan Island Power Base Station



Overview

Why did BPC reaffirm its commitment to transforming Bhutan's power infrastructure?

BPC extended its gratitude to all partners and stakeholders for their invaluable contributions to this successful project. BPC said this milestone reaffirms BPC's commitment to transforming Bhutan's power infrastructure, ensuring a resilient, reliable and quality energy supply for the nation.

How many solar power systems are there in Bhutan?

As of 2015 there are approximately 4,600 solar power systems operating in Bhutan, with 2,750 on-grid systems and 1,848 off-grid systems. The development potential is estimated at 12,000 megawatts.

How much power does Bhutan have?

Bhutan's installed power generation capacity is approximately 1.6 gigawatts (GW). Over 99 percent of the country's installed capacity comes from hydropower plants, accounting for 1,614 megawatts (MW) of the country's total capacity of 1,623 MW in 2018. More than 99.97 percent of households have access to electricity.

What was Bhutan's first mega power project?

The Chukha Hydropower Project, or Chukha Hydrel, was Bhutan's first mega power project. Construction started in the 1970s with commissioning in 1986 and the government assuming full control in 1991.

What is the potential for wind power in Bhutan?

The theoretical development potential for wind power in Bhutan is an estimated 761 megawatts. Potential is highest at Wangdue Phodrang at 141.7 megawatts and Chukha at 91.8 megawatts.

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