



Clean electricity bhutan

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In keeping with Bhutan's overall energy sector vision to take its overall generation capacity to 25,000 MW by 2040 for its energy security and regional energy integration, the Memorandum of Understanding (MoU) was signed on November 20, 2024 in Thimphu between Dasho Chhewang Rinzin, Managing Director (MD) of Druk Green Power Corporation (DGPC), and Dr Praveer Sinha, CEO and MD of Tata Power.

With the support of the Royal Government of Bhutan (RGoB) and the Government of India (GoI), this marks the largest partnership between two of the leading power companies of the two nations in Asia's clean energy sector.

Through this collaboration, at least 5,000 MW of renewable energy projects; including 4,500 MW of hydropower comprising the 1,125 MW Dorjilung HEP; 740 MW Gongri Reservoir; 1,800 MW Jeri Pumped Storage; and 364 MW Chamkharchhu IV will be developed in phases together with another 500 MW of Solar projects.

Tata Power Renewable Energy Limited (TPREL), a subsidiary of Tata Power, will lead the development of the 500 MW of solar projects across Bhutan. Tata Power also has a transmission project of a 1,200 km long Tala transmission line that evacuates clean power from Bhutan to India.

Dr. Praveer Sinha, CEO and MD, Tata Power, said, "Tata Power's partnership with Druk Green Power Corporation reinforces our credentials as the most preferred clean energy partner in the region. Together, we are building 5 GW of clean energy capacity that will help harness Bhutan's hydro power potential and support both countries' growing energy demands with reliable and round-the-clock clean energy supply. This partnership is helping us shape a new energy era."

Dasho Chhewang Rinzin, MD, DGPC said that this strategic partnership with Tata Power is in keeping with Bhutan's aspirations to maximize benefits to the people of Bhutan through fast-tracking the harnessing of its huge renewable energy resources for its economic development and long term energy security. "Bhutan places a lot of confidence in Tata Power and the partnership to deliver on these expectations."

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

Tata Power has a long-standing relationship with DGPC since 2008 when the two companies joined forces to successfully develop the 126 MW Dagachhu Hydropower Plant as the first Public Private Partnership in Bhutan's hydropower sector.



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As a precursor to this collaboration, Tata Power recently acquired a 40% stake for Nu/INR 8.30 billion in the 600 MW Khorlochhu Hydroelectric Project where an investment of over Nu/INR 69 billion will be made to develop the project.

Meanwhile, Tata Power Company Limited is a leading integrated power company and a part of the Tata Group, India's largest multinational business conglomerate, owns a diversified portfolio of 15.2GW.

DGPC is a subsidiary of Druk Holding and Investments Limited, the sole generation utility in Bhutan. It was formed in December 2007 to develop and manage Bhutan's hydropower resources and assets.

DGPC has a portfolio of 2453 MW of Hydro capacity in Bhutan, a large percentage of which is being exported to India especially during the monsoon months. DGPC is envisioned to achieve 5,500 MW Hydro capacities within the next 5 years timeline including investments and development of Small Hydro and solar Projects.

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Web: <https://www.sumthingtasty.co.za/contact-us/>

Email: energystorage2000@gmail.com

WhatsApp: 8613816583346

