

1	Infrastructure Link Code: 301
2	Infrastructure Link Name: Mangdechhu Hydroelectric Project
3	Infrastructure Sector: Energy Infrastructure
	Infrastructure Type: Hydroelectric Project
4	Approximate Location: https://goo.gl/maps/NYe9e9apWgdnwmKA8 • Countries: India and Bhutan • State Name (India): N/A • Sub - National Unit Name (Bhutan): Trongsa Dzongkhag
5	Entities: Department of Energy (DoE), Bhutan; National Hydroelectric Power Corporation (NHPC), India; Bhutan Power Corporation Limited; Power Trading Corporation India Limited; Druk Green Power Corporation; Mangdechhu Hydroelectric Project Authority, Bharat Heavy Electricals Limited (BHEL) Hyosung Corporation, KEC International, Jaiprakash Associates, PES Engineers, Kalpataru Power, Gammon India, Marti India, Encardio-rite, Alstom T&D India, Central Electricity Authority (CEA), Water and Power Consultancy Services (WAPCOS).
6	Status: Operational

Timeline:

2005

Government of India and Royal Government of Bhutan signed a Memorandum of Understanding ([MoU](#)) for Mangdechhu Detailed Project Report (DPR) preparation.

2006

Department of Energy (DoE), Bhutan, and National Hydroelectric Power Corporation signed an [agreement](#) for project implementation of the Mangdecchu Hydropower Plant (MHP).

2007

2008, May 17

Announced by former Indian Prime Minister, Dr. Manmohan Singh, in a [speech](#) at the National Assembly of Bhutan.

2008

Bilateral agreement to execute the project is [signed](#), and an [authority](#) named Mangdecchu Hydroelectric Project Authority (MHPA) is established.

2012

2012, June

Construction of the run-of-the-river, 720 MW MHP began. The project was [funded](#) through 70% loan and 30% grant from the Government of India. Bharat Heavy Electricals Limited (BHEL), an Indian engineering and manufacturing company, [supplied](#) four Pelton turbines with a capacity of 180 MW each.

2013

Transmission line construction and electrical and mechanical (EM) works -1 packages were [awarded](#). Hyosung Corporation, a South Korean company, and KEC International, an Indian engineering, procurement and construction company, were responsible for elements of design and construction. National Hydroelectric Power Corporation (NHPC) [acted](#) as a design and engineering consultant for the hydropower plant. Bhutan Power Corporation built the transmission lines. Other contractors [included](#), Jaiprakash Associates for construction of the Dam, PES Engineers, Kalpataru Power, Gammon India, Marti India, Encardio-rite, Alstom T&D India, Central Electricity Authority (CEA) and Water and Power Consultancy Services (WAPCOS).



2014 -15

EM 2-5 packages were awarded.

2019

Power Trading Corporation (PTC) India Ltd [signed](#) a power purchase agreement with Druk Green Power Corp. Ltd. (a Bhutan government company) for the purchase of surplus power from the 720-MW Mangdechhu hydropower project in Bhutan for 35 years.

2019

2019, August 17

MHP was [inaugurated](#) by Prime Ministers Lotay Tshering and Narendra Modi in Bhutan.

2021

MHPA [exported](#) electricity worth Rs. 12.31 Billion (approx. USD 151 million) to India.

2022

2022, December 27

Project was [handed over](#) to Druk Green Power Corporation (DGPC) by the MHPA.

