

Sambandh Database and Map: India's Infrastructure Links

307: Punatsangchhu-II Hydroelectric Project

1. **Infrastructure Link Code:** 307
2. **Infrastructure Link Name:** Punatsangchhu-II Hydroelectric Project
3. **Infrastructure Sector:** Energy Infrastructure
4. **Infrastructure Type:** Hydroelectric Project
5. **Location:**
<https://goo.gl/maps/J5Sv9hF698BXLfVM7>
 - **Countries:** India and Bhutan
 - **State Name (India):** Assam
 - **Sub - National Unit Name (Bhutan):** Wangdue Phodrang Dzongkhag
6. **Entities:** Punatsangchhu-II Hydroelectric Project Authority (PHPA-II), Water and Power Consultancy Services (WAPCOS), National Institute of Rock Mechanics (NIRM), Jaiprakash Associates, Bharat Heavy Electricals Limited (BHEL), Hyosung Corporation, BAUER Spezialtiefbau, Bhutan Automation and Engineering.
7. **Status:** Inoperational: Under construction (as of September 2024)

8. Timeline:

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| 2008 | May
Royal Government of Bhutan (RGoB) and Government of India (GoI) undertook an initiative to develop a capacity of 10,000 MW by 2020. Punatsangchhu-I (1,200 MW) & Punatsangchhu-II (1,020 MW) were the first two projects undertaken toward this initiative. |
| 2010 | July 30
The Bilateral Agreement was signed between the RGoB and GoI for the implementation of the Punatsangchhu-II Project. Signatories included H.E. Lyonpo Khandu Wangchuk, Minister for Economic Affairs (RGoB) and Shri S.M. Krishna, Minister for External Affairs (GoI). |
| 2010 | July 30
The foundation stone of the project was laid by H.E. Jigme Y. Thinley, Hon'ble Lyonchhen (Prime Minister) of Bhutan and Dr. Manmohan Singh, Hon'ble Prime Minister of India. |
| 2010 | December 17
Project implementation began with a completion schedule of 7 years including 2 years of infrastructure development. Water and Power Consultancy Services (WAPCOS) provided engineering and design consultancy services during the project study phase , while the National Institute of Rock Mechanics (NIRM) was engaged for modelling and geotechnical engineering services. |
| 2010 | December 31
The 'Constitution' of the Punatsangchhu-II Hydroelectric Project Authority (PHPA-II) was approved in line with the provisions of the aforementioned Bilateral Agreement, and approved by the PHPA-II, to come into effect from May 1, 2010. |
| 2011 | June
Jaiprakash Associates was awarded a contract worth approximately £164m (\$268m) for the construction of a diversion tunnel, dam, water intake structure, and highway tunnel. |
| 2012 | June
Bharat Heavy Electricals Limited (BHEL) was contracted for the design, manufacturing, supply, erection, and commissioning of the electro-mechanical equipment and associated auxiliaries for the project. |

2013

April

Hyosung Corporation received an [order](#) for the delivery of the 420kV gas-insulated switchgear (GIS).

2014

March

BAUER Spezialtiefbau was [subcontracted](#) by Jaiprakash Associates for permeation grouting works of the upstream cofferdam.

2018

December

Bhutan Automation and Engineering was [contracted](#) for the supply of computerised control and protection system.

2023

November 21

Physical [progress](#) of the project was marked at 95.42%.

Note: Data as of September 2024.

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