

## Sambandh Database and Map: India's Infrastructure Links

### 310: Chukha - Malbase - Birpara 220kV S/C Power Transmission Line

1. **Infrastructure Link Code:** 310
2. **Infrastructure Link Name:** Chukha - Malbase - Birpara 220kV S/C Power Transmission Line
3. **Infrastructure Sector:** Energy Infrastructure
4. **Infrastructure Type:** Power Transmission Line
5. **Approximate Location:** In Bhutan: <https://goo.gl/maps/sBxiCPGzCWFv7yy5A>; In India: <https://goo.gl/maps/XWtAckbsWSU5dPjb6>
  - **Countries:** Bhutan and India
  - **State Name (India):** West Bengal
  - **Sub - National Unit Name (Bhutan):** Chhukha Dzongkhag
6. **Entities:** Druk Green Power Corporation, Encardio-rite Electronics Pvt. Ltd, National Hydroelectric Power Corporation Ltd, Power Grid Corporation of India Ltd, Power Trading Corporation of India Ltd, Bhutan Power Corporation Limited.
7. **Status:** Operational (as of September 2024)

#### 8. Timeline:

**1974**

**March 23**

The Royal Government of Bhutan and the Government of India signed the [agreement](#) for project implementation for the Chhukha Hydropower Project (CHP). As per the agreement, the project included the construction of a 220kV transmission system from Chhukha to Phuentsholing to facilitate surplus power from Bhutan to India. The Government of India funded this project with a 60% grant and a 40% loan.

**1975**

The Chhukha Project Authority was [constituted](#) to implement this project. Encardio-rite was [awarded](#) the sub-contract for supply as well as installation of safety monitoring instrumentation for the project. As part of the Chhukha Transmission System, the Chhukha - Malbase-Birpara 220kV S/C power transmission line was [constructed](#) by National Hydroelectric Power Corporation Ltd as a part of the Chhukha Transmission System via Singheogon and Malbase. The [delivery point](#) was Phuentsholing where the accounting of energy takes place.

**1979**

[Construction](#) of the main civil and electro - mechanical parts took place.

**1986**

Units I and II of the Chhukha Hydropower Project were [commissioned](#).

**1987**

**February**

The Chhukha - Malbase - Birpara 220kV S/C power transmission line was [declared](#) under commercial operation.

**1991**

Chhukha Hydropower Corporation was [formed](#). The electricity generated by CHP is sold to Bhutan Power Corporation Limited for domestic consumption, and surplus energy is exported to India through PTC India Limited. CHP provides 15% of the annual energy production as royalty energy to the Royal Government of Bhutan.



1992

**April**

The power transmission line was [transferred](#) to the first respondent, Power Grid Corporation of India Ltd alongside the transmission assets.

2008

**January 1**

Druk Green was [incorporated](#) through amalgamation of the erstwhile Chhukha, Kurichhu and Basochhu Hydropower Corporation. With the formation of Druk Green, Chukha Hydroelectric Project and its salient features became an operational unit under Druk Green and was renamed as Chhukha Hydropower Plant.

*Note: Data as of September 2024.*

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