

Bhutan



Kholongchhu Hydropower Project (600MW)

The work for construction of the headrace tunnel was awarded to contractors in 2021. Site development and initiation of adit portal works have commenced.

FUTURE TUNNELLING ACTIVITIES

Construction of three Small Hydropower Projects with a capacity ranging from 18MW to 54MW is expected to commence by mid 2022.

Name: Member Nation represented by Druk Green Power Corporation Limited

Type of Structure: Public Organization

Number of Members: All relevant agencies in the country such as DGPC, DHPS and Hydropower Construction Companies

ASSOCIATION ACTIVITIES DURING 2021 AND TO DATE

No events could be organized due to COVID 19 pandemic.

CURRENT TUNNELLING ACTIVITIES Punatsangchhu – II Hydropower Project (1020MW)

Excavation of the Downstream Surge Gallery (North) is currently in progress. The project was delayed due to geological challenges during the construction of the underground powerhouse is now expected to be commissioned towards the end of 2023. The construction of the concrete gravity dam and the headrace tunnel is

in an advanced stage of completion. The completion of underground powerhouse with the downstream surge system is on the critical path of the project.

Nikachhu Hydropower Project (118MW)

The project is scheduled to be commissioned in 2023. While the construction of all other components such as concrete gravity dam, underground powerhouse, surge shaft and inclined pressure shaft are making good progress, the construction of the headrace tunnel from one of the adit is encountering geological challenges.

STATISTICS

- 1,049m of additional surge tunnel excavation and 5,262m³ of transformer hall and downstream surge gallery completed using the conventional method.
- A contract value of US\$58M for the construction of a headrace tunnel on the 600MW Kholongchhu hydroelectric project was awarded in 2021.
- List of tunnels completed: Headrace tunnel of the 1020MW Punatsangchhu-II hydroelectric project completed.