

Subansiri Dam Project

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About the Subansiri Dam project:

- It is the biggest hydroelectric project undertaken in India so far.
- It is a **run-of-river scheme** on **river Subansiri**.
- **Location:** The Project is located near North Lakhimpur on the border of **Arunachal Pradesh and Assam**.
- **Capacity:** 2000MW
- It is a **concrete gravity dam** 116 m high from river bed level.
- It is being developed by the state-run **National Hydro Power Corporation (NHPC)**.

Key facts about the Subansiri River

- It originates in the **Tibet Plateau** and is the largest tributary of the **Brahmaputra River**.
- The high topographic variation makes this river a potential zone for harnessing it for the hydropower

What is a Gravity dam?

- Gravity dams are massive structure dams which are constructed of **concrete or stone masonry**.
 - This type of structure is **durable** and requires very **little maintenance**.
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Q1) What is hydroelectric power?

Hydroelectric power is also called hydropower where electricity is produced from generators driven by turbines that convert the potential energy of falling or fast flowing water into mechanical energy.

Source: [Landslide hits Subansiri dam project; 'Nothing to panic', assures NHPC](#)

Source: <https://vajiramandravi.com/current-affairs/subansiri-dam-project/>

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