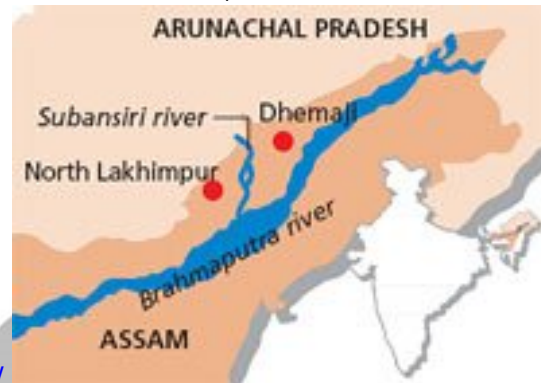




## Subansiri Dam

Despite [National Green Tribunal's](#) order of not resuming construction or concretization work at Lower Subansiri Hydroelectric Project (LSHP) till safety issues are resolved, massive concretization has been



carried out at the Subansiri hydroelectric project. //

- **Subansiri Lower Hydroelectric Project (SLHEP)**, is an under-construction **gravity dam** on the **Subansiri river** along the border of Assam and Arunachal Pradesh.
  - **Subansiri River (gold river)**, originates in the Tibet Plateau and enters India through Miri hills in Arunachal Pradesh.
  - It is the **largest tributary** of Brahmaputra River.
- **Subansiri Lower Hydroelectric Project had been kept pending due to** local agitation over several [dam safety](#) and administrative issues involved in the implementation of the project like:
  - SLHEP contravenes the **1980 Brahmaputra Board Act** by transferring the work of Water Resources Department of Subansiri Basin from the Brahmaputra Board to the **public and private sector**.
  - Increased **seismic threat level** to the dam, assessed by Indian Institute of Technology at Roorkee.

### Gravity Dam

- **Gravity dam** is constructed from **concrete** or **cement** (unlike mud and masonry stones used in embankment).
- It is designed to hold back water by primarily utilising the weight of the material alone to resist the horizontal pressure of water pushing against it.

### Other Controversial Dams

- **Sardar Sarovar Dam:** The Sardar Sarovar Dam is a **gravity dam** (2<sup>nd</sup> largest concrete gravity dam by volume in the world) on the **Narmada river** near **Navagam**, Gujarat.
  - **Gujarat, Madhya Pradesh, Maharashtra, and Rajasthan**, receive water and electricity

supplied from the dam.

- Dam is alleged to displace around **2.5 lakh villagers**.

▪ **Mulla Periyar Dam:** It is a gravity dam on the **Periyar River** in **Idukki district** of **Kerala** but it is owned and operated by the **Tamil Nadu government**.

- There is an ongoing contention between Kerala and Tamilnadu governments over the height of the dam.

▪ **Polavaram project:** It is an under-construction multi-purpose National **project** on the **Godavari River** in the West Godavari District and East Godavari District in **Andhra Pradesh**.

- The project will submerge villages in Chhattisgarh and Odisha.

▪ **Kishanganga Hydroelectric Plant** is a **run-of-the-river** hydroelectric scheme that is designed to divert water from the Kishanganga River to a power plant in the **Jhelum River basin** and is located in **Jammu and Kashmir**.

- **World Bank's** court of arbitration failed to resolve the dispute between India and Pakistan over Indus water treaty issue.

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