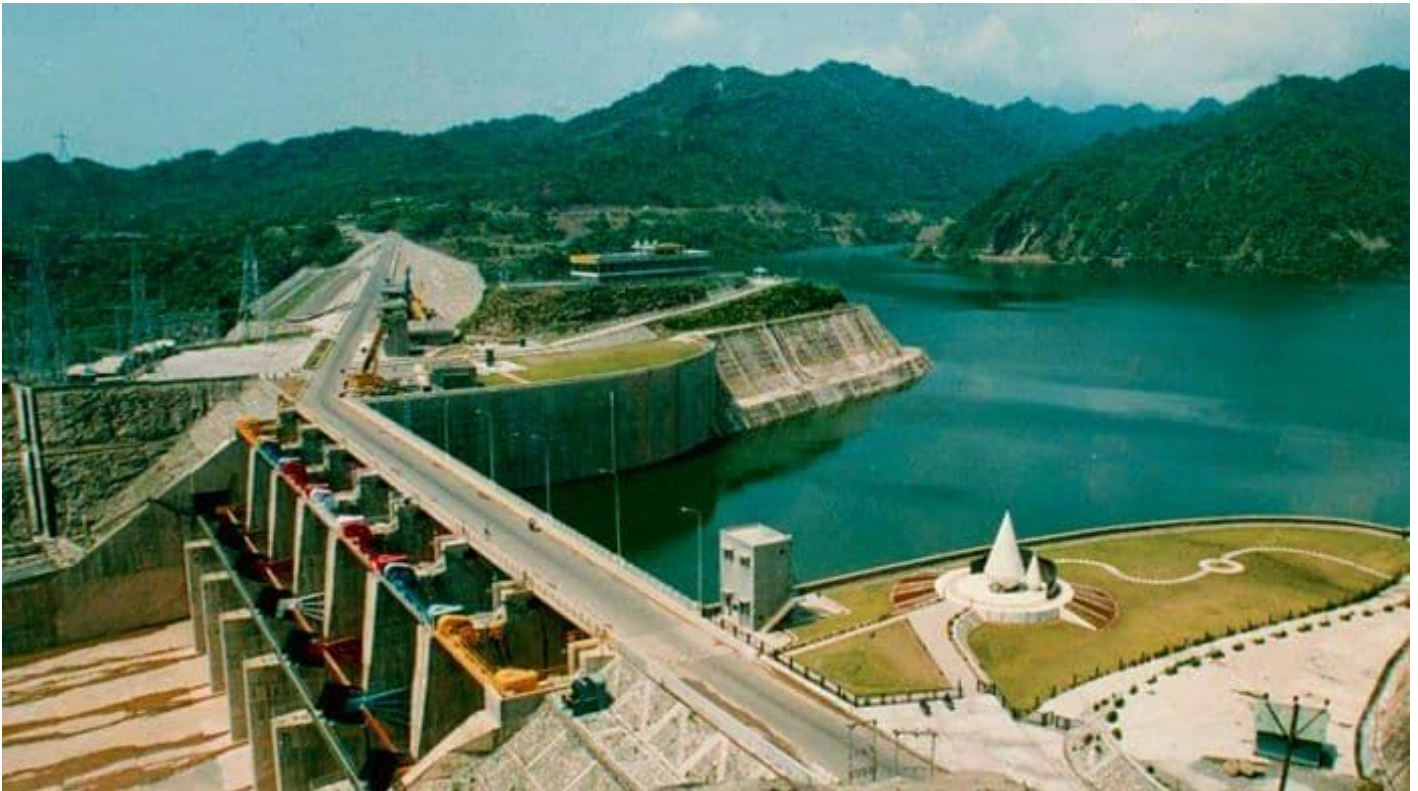


Ranjit Sagar Dam (RSD)

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About Ranjit Sagar Dam (RSD):

- The Ranjit Sagar Dam, **also known as the Thein Dam**, is a major **water reservoir and hydroelectric power project** located **on the Ravi River in the state of Punjab**.
- It is located about **24 kilometers (15 miles) from the international border with Pakistan**.
- The dam was constructed to harness the waters of the Ravi River and was **completed in 2000**.
- It is a **concrete gravity dam with a height of about 162 meters (531 feet) and a length of approximately 518 meters (1,699 feet)**.
- The dam **creates a vast reservoir known as the Ranjit Sagar Lake or Thein Lake**. The reservoir has a **storage capacity of around 0.97 billion cubic meters (789,000 acre-feet)** and helps regulate water flow for various purposes.
- It has an **installed capacity of 600 megawatts (MW)** .

Key facts about Ravi River:

- **Origin:** It originates in the western Himalayas in the Multhan tehsil of **Kangra district of Himachal Pradesh**.
 - It then **flows through the Indian state of Punjab and enters Pakistan**, where it eventually **joins the Chenab River in the province of Punjab**.
 - **Length:** The **total length** of the Ravi River is approximately **720 kilometers** (447 miles). **Around 158 kilometers** (98 miles) of the river's course **lie in India**, and the remaining 562 kilometers (349 miles) flow through Pakistan.
 - **Tributaries:** The Ravi River is fed by several tributaries, including the **Bhadal, the Ujh, the Tarnah, and the Basantar rivers in India**, and the Aik, the Bara, and the Beas rivers in Pakistan.
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Q1) What is a gravity dam?

A gravity dam is a structure designed to withstand loads by its own weight and by its resistance to sliding and overturning on its foundation.

Source: [In single-day record, Ranjit Sagar Dam generates 153.97 lakh units](#)

Source: <https://vajiramandravi.com/current-affairs/ranjit-sagar-dam-rsd/>

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