

TEHRI HPP (1000 MW) (UNDER OPERATION)

Tehri Dam and HPP (1000 MW) comprises a 260.50 m high Earth & Rockfill dam, one of the highest dams of its type in the world, a Spillway System designed for PMF of 15540 cumecs and a drop of 220m, having one Chute Spillway and four Shaft Spillways and an underground Power House housing four Turbine/ Generator sets of 250 MW each, designed to operate with a head variation of 90m.

Project was commissioned in 2006-07, and all four machines of Tehri HPP are under commercial operation. Besides providing much needed power to the Grid, the command area is availing of irrigation benefits from the Project and drinking water is being supplied to Delhi and UP.

After long persuasion with GoUK and with the help of MoP, the long-awaited permission to fill Tehri Reservoir up to 830m (FRL) was granted and achieved its full reservoir potential (EL830m) on 24.09.2021 which enhanced energy generation and supports regularizing the downstream requirements of water for irrigation, drinking, flood control etc.

Date of Commercial Operation:

- Unit-IV: 22.09.2006
- Unit-III: 09.11.2006
- Unit-II: 30.03.2007
- Unit-I: 09.07.2007

Beneficiary States / UTs: Uttar Pradesh, Uttarakhand, Punjab, Rajasthan, Delhi, J&K, Chandigarh, Haryana and Himachal Pradesh

Status of Generation during FY 2026-27:

S.No.	Description	Generation (MU)
1	Generation in the month of July 2026	191.07
2	Total Generation till July 2026	595.68

Cumulative PAF achieved during FY 2026-27 up to July 2026 is 51.42%.

Tariff:

THDCIL had filed Petition No. 511/GT/2024 before Hon'ble CERC for determination of tariff period 2024-29 in respect of Tehri Hydro Power Plant (Tehri HPP) (4x250MW). The pleadings in the above petition have been completed, and Hon'ble CERC has reserved the Order.