

# Dagmara multipurpose hydropower project

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## In news

Recently, NHPCL and Government of Bihar signed an MoU for setting up a hydropower project in Dagmara

## Key updates

MoU: It was signed between the Bihar State Power Holding Corporation and the National Hydroelectric Power Corporation Limited (NHPC)

## About Dagmara multipurpose hydropower project

- Dagmara multipurpose hydropower project will be set up over the Kosi River in Supaul district
- Cost: around Rs. 2500 crore
- The total generation capacity of the 'Run-of-River' project will be 130.1 MW, which will comprise two power houses
- Its barrage length would be 753 metre and it would have 36 gates on river Kosi River which has a total length of 233 km
- The barrage on the Kosi would provide an alternate route to cross over the river. Besides, the project will control river meandering to a greater extent.
- In this project, concrete barrage, earth dam and power house are to be constructed whose length would be 945 meters, 5750 meters and 283.20 meters respectively.
- Once completed, it will be Bihar's biggest hydroelectric power generation plant.
- The project would provide several additional benefits to flood-prone districts of north Bihar, besides generating low-cost electricity for the state

## National Hydroelectric Power Corporation Limited (NHPC)

- It is an Indian Hydropower generation company that was incorporated in the year 1975
- It was started with an authorised capital of Rs. 2000 million and with an objective to plan, promote and organise an integrated and efficient development of hydroelectric power in all aspects.
- Later on, NHPC expanded its objects to include other sources of energy like Solar, Geothermal, Tidal, Wind etc.
- Presently, NHPC is a Mini Ratna Category-I Enterprise of the Govt. of India with an authorised share capital of Rs. 150,000 Million

## The Kosi or Koshi river

- It is a trans-boundary river which flows through Tibet, Nepal and India. It drains the northern slopes of the Himalayas in Tibet and the southern slopes in Nepal
- From a major confluence of tributaries north of the Chatra Gorge onwards, the Kosi River is also known as Saptakoshi for its seven upper tributaries.
- The Saptakoshi crosses into northern Bihar, India where it branches into distributaries before joining the Ganges

