



KAMARAJ IAS ACADEMY
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Phukot Karnali Hydro Electric Project

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Why is in news? NHPC and VUCL, Nepal sign MoU for development of Phukot Karnali Hydro Electric Project (480MW) in Nepal

NHPC Limited (A Govt. of India Enterprise) and Vidhyut Utpadan Company Limited (VUCL), Nepal signed an MoU (Memorandum of Understanding) in New Delhi today for development of Phukot Karnali Hydro Electric Project (480MW) in Nepal.

Phukot Karnali PRoR Hydro Electric Project (PKHEP) is **located in Kalikot district, Karnali Province of Nepal.**

The project will **use the flow from the Karnali River for power generation**, and the generated power will be fed into integrated power system of Nepal at the nearest grid substation proposed at Regil.

The installed capacity of the project **shall be 480 MW** with average annual generation of about 2448 GWh.

The key features of the project are a 109 metre high RCC dam and an underground power house where the 06 turbines of 79 MW each shall be housed.

Additionally, to utilize minimum environmental release one Surface Power House of 6 MW capacity i.e. two machines of 3 MW each is also planned. This project is conceived as a Peaking Run-of-River (PRoR) type scheme.

National Hydro Power Corporation Limited, a **Schedule 'A' Enterprise** of the Government of India with '**MINI RATNA**' status, is a premier PSU in India for development of hydropower and Vidhyut Utpadan Company Limited (VUCL), Nepal is responsible to develop, build, own and operate large-scale hydropower projects in public-private partnership model in Nepal.

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