

UP to be made a hub of pumped storage projects

TIMES NEWS NETWORK

Lucknow: The UP govt is working to make the state a hub for pumped storage projects (PSPs).

The selection and allocation process for a consultancy firm to manage these projects has commenced, an official spokesperson said on Monday. A high-level committee established within Invest UP has been formed to facilitate its progress.

“Four divisions have been identified for PSP development: Chitrakoot Dham, Jhansi, Varanasi and Vindhyachal. These divisions will shortlist potential sites and submit related preliminary assessment reports. The Yogi govt has already granted in-principle approval for the 1200 MW pumped storage project in Sonbhadra,” the spokesperson said.

To note, the PSPs offer several advantages, including rapid ramping capacity to

address sudden shortfalls in energy generation, intra-day and inter-day energy balancing and enhanced overall energy efficiency through large-scale energy storage and optimized utilization of generated power.

The consultancy agency selected and allocated by Invest UP will prioritize projects with a capacity exceeding 500 megawatts. The agency will be responsible for preparing a report based on various criteria, such as machine configuration, six-hour peaking capacity, open-closed loop PSP, hydrology, power evacuation, water source availability, indicative CAPEX, round-trip efficiency, surge shaft, powerhouse, land requirements, and upper and lower reservoir capacities, as well as access roads.

Subsequently, a framework for developing and regularly monitoring these projects will be established.