

GBC Set to Transform UP into a Powerhouse of Renewable Energy

Pump Storage Power (PSP) projects worth around ₹67K to add 13,250 MW of Renewable power to the States' total power generation

Lucknow, February 12, 2024:

A historic moment in the realm of renewable energy generation is on the horizon with the upcoming Ground Breaking Ceremony (GBC) scheduled for February 19, 2024.

This ceremony marks the commencement of Pumped Storage Power (PSP) generation, propelling Uttar Pradesh towards achieving the status of a power surplus state. The State government's nod to **eight PSP projects**, with six located in Sonbhadra and two in Mirzapur and Chandauli districts, sets the stage for transformative progress.

During the GBC, work will kick off on eight mega projects, boasting a collective capacity of 13,250 megawatts. Visionary entities like the Greenko Group producing 3660 MW, Torrent Group Producing 4150 MW, JSW neo energy 1200 MW , ACME Cleantech Solutions 1500 MW , Amunra Infratech and Agritech Pvt. Ltd producing 1620 MW and Avaada Water Battery Pvt. Ltd. producing 1120 MW, are spearheading these initiatives, contributing significantly to the renewable energy sector's burgeoning capacity in Uttar Pradesh.

For the projects in Sonbhadra, water will be sourced from the Sone river, while those in Mirzapur and Chandauli will utilize the resources from the Adwa dam and Musakhand dam, respectively.

The energy epicentre of UP, district Sonbhadra, will witness the majority of these groundbreaking projects. PSP, often referred to as a "**water battery**," stands out as an environment-friendly and sustainable energy source.

Among the notable PSP ventures in the renewable sector is **Greenko's** 3600-megawatt plant in Gurar, Sonbhadra district. Approved in May 2023, this off-stream closed loop pumped storage project along the Sone river promises to be a game-changer. The project is poised to make a transformative impact in Obra Block's villages, including Gurar, Garwa, Pindari, Ranideho, Muhuna, and Baijnath.

Torrent Power has established a 1750 MW pump storage plant on river Sone located on the natural surroundings of Sonbhadra District, Uttar Pradesh. Pump storage project is a clean, green, safe & environment-friendly project that produces high quality firm, flexible, and dispatchable power. The project does not transform/damage the riverine ecosystem. The project has low up-front cost and the cost of power

storage is also low. It is a closed loop pump-storage project that produces low cost accessible & totally renewable energy. Torrent Power pledges to conduct CSR activities in the nearby area to uplift the socio-economic fabric of the region.

Details of all PSP projects to be launched during the GBC:

Company Name	District	Water Source	Power Capacity (MW)	Investment
Greenko Group	Sonbhadra	Sone River	3660	₹17,180.79 Cr.
Torrent Power Ltd. (2 projects)	Sonbhadra	Sone River	4150	₹24,200 Cr.
JSW NEO ENERGY	Sonbhadra	Sone River	1200	₹5,530 Cr.
ACME Cleantech Solution (2 projects)	Chandauli & Mirzapur	Musakhand Dam & Adwa Dam	1500	₹6,561 Cr.
Avaada Water Battery Pvt. Ltd.	Sonbhadra	Sone River	1120	₹6,119 Cr.
Amunra Infratech & Agritech Pvt. Ltd.	Sonbhadra	Sone River	1620	₹7,374.57 Cr.
		Total	13,250	₹66,965.36 Cr

As the GBC unfolds, Uttar Pradesh sets the stage for a sustainable and green energy revolution, solidifying its position as a pioneer in the renewable energy landscape.
