

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.2566
ANSWERED ON 16.03.2023**

HYDROPOWER ENERGY

**2566. SHRI VINCENT H. PALA:
SHRI JAGDAMBIKA PAL:**

**Will the Minister of POWER
be pleased to state:**

- (a) whether it is a fact that the Government proposes to harness 27,000 MW of hydropower energy from Uttarakhand and if so, the details thereof and if not, the reasons therefor;**
- (b) the details of the hydel projects under construction in the State of Uttarakhand;**
- (c) the number of hydel projects pending with the Government for approval in the State of Uttarakhand; and**
- (d) the details of the number of approved projects which are under construction?**

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a) : As per the Reassessment study of hydro potential in the country carried out during 1978-1987 by the Central Electricity Authority, the assessed hydro power potential from large hydro power projects (capacity above 25 MW) in the State of Uttarakhand is 17,998 MW. The status of development of Hydroelectric Potential in the state of Uttarakhand is given below:

Category	Installed Capacity (MW)
Conventional Projects	
I. In operation	3975.35
II. Under construction	1271
III. Allotted for Development	4404
IV. Projects stuck-up due to Interstate issue/ dropped due to basin studies/other issues	2457
V. Yet to be allotted by state for development	2563
Sub-Total	14670.35
Multi-Purpose Projects	
VI. Under construction	300
VII. DPR has been prepared	1335
VIII. DPR is under Preparation	660
IX. Yet to be allotted for development	1065
Sub-Total	3360
GRAND TOTAL	18030.35#

#The capacity is in slight variance with the Reassessment study due to subsequent change in capacity of the Projects, addition/deletion of the Projects and merger of two Projects into one etc.

Further, the assessed potential from Small Hydro Projects (SHP: below 25 MW capacity) in the State of Uttarakhand is 1664.31 MW, out of which, SHPs with installed capacity of 218.82 MW are under operation.

(b) to (d) : Presently, 07 Hydro Electric Projects (above 25 MW) totaling to 2571 MW, including Tehri PSP of 1000 MW, are under implementation in the state of Uttarakhand. Out of these, 5 Hydro Electric Projects totaling to 2324 MW are under active construction and 02 Hydro Electric Projects totaling to 247 MW are presently stalled. The details are at Annexure-I.

Further, 4 SHPs with installed capacity of 65 MW are under implementation in the State of Uttarakhand. The details of these SHPs are given at Annexure-II.

Currently, no Hydro Electric Project pertaining to the State of Uttarakhand is pending in Central Electricity Authority (CEA) for concurrence. As per Section 8 (1) of the Electricity Act, 2003, any generating company intending to set up a hydro generating station shall prepare and submit to the Authority for its concurrence, a scheme estimated to involve a capital expenditure exceeding such sum (presently, ₹1000 crores), as may be fixed by the Central Government, from time to time, by notification.

**ANNEXURE REFERRED TO IN REPLY TO PARTS (b) TO (d) OF UNSTARRED QUESTION
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List of Hydro Electric Projects (above 25 MW) under implementation in Uttarakhand

Sl. No	Name of Scheme (Executing Agency)	Sector	District	Installed Capacity (No. X MW)	Capacity Under Execution (MW)	River/ Basin	Date of Environmental Clearance	Physical progress (in %)	Date of finish/ commissioning
1	Vishnugad Pipalkoti (THDC)	Central	Chamoli	4x111	444.00	Alaknanada/ Ganga	22.08.2007	62%	2024-25 (Mar'25)
2	Naitwar Mori (SJVNL)	Central	Uttarkashi	2x30	60.00	Tons/ Yamuna/ Ganga	16.06.2016	89%	2023-24 (May'23)
3	Tapovan Vishnugad (NTPC)	Central	Chamoli	4x130	520.00	Dhauliganga / Alaknanada & /Ganga	08.02.2005	75%	2024-25 (Dec'24)
4	Lakhwar Multipurpose Project (UJVNL)	State	Dehradun & Tehri Garhwal	3x100	300.00	Yamuna	23.12.2021	Works recently awarded	2028-29 (Nov'28)
5*	Lata Tapovan (NTPC)	Central	Chamoli	3x57	171.00	Dhauliganga /Alaknanada & Ganga	21.02.2007	4%	Stalled due to pending court case in Hon'ble Supreme Court
6*	Phata Byung (LANCO)	Private	Rudraprayag	2x38	76.00	Mandakini/ Alaknanda Ganga	18.02.2008	74%	Stalled due to Financial Constraints
7	Tehri PSP (THDC)	Central	Tehri Garhwal	4x250	1000.00	Bhilangna/ Bhagirathi/ Ganga	19.7.1990	93%	2023-24 (Dec'23)
Sub-total: Uttarakhand					2571.00				
*Project is presently stalled, commissioning subject to re-start of works									

ANNEXURE-II

ANNEXURE REFERRED TO IN REPLY TO PARTS (b) TO (d) OF UNSTARRED QUESTION NO. 2566 ANSWERED IN THE LOK SABHA ON 16.03.2023

The details of the Small Hydro Power Projects (below 25 MW Capacity) under implementation in Uttarakhand

SL. No.	Name of the project	Capacity (MW)	Govt./Private
1	Khutani SHP	21.00	Private
2	Suringad II SHP	5.00	Government
3	Bilangan II A SHP	24.00	Government
4	Madmaheshwar SHP	15.00	Government
Total		65.00	
