

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.1789
TO BE ANSWERED ON 29.07.2021**

HYDROELECTRIC POWER PLANTS

1789. SHRI CHANDRA PRAKASH CHOUDHARY:

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

- (a) whether the Government proposes to install hydroelectric power plants across the country with the objective of reducing pollution;
- (b) if so, the details thereof;
- (c) the details of hydroelectric and thermal power plants installed in the State of Jharkhand during the last three years and the current year, district-wise; and
- (d) the details of progress of such projects undertaken in Jharkhand along with the estimated time frame within which these are likely to be completed?

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a) & (b): Hydro Electric Projects (HEPs) are allotted to Central, State and Private Sector Developers by the concerned State Governments. Further, 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.

As per information available in Central Electricity Authority (CEA), the status of development of Hydro Electric Projects (above 25 MW), is as under:

- 8 HEPs with aggregate installed capacity of 5,282 MW are at Survey and Investigation stage in the country. Details are given at Annexure-I.
- Detailed Project Reports (DPRs) of 4 HEPs with aggregate installed capacity of 2,021.1 MW are under examination in CEA for concurrence. Details are given at Annexure-II.
- 30 HEPs with aggregate installed capacity of 22,967 MW have been concurred/appraised by CEA which are yet to be taken up for construction. These projects are pending due to various reasons. Details are given at Annexure-III.
- 37 HEPs (above 25 MW) with aggregate installed capacity of 12,763.5 MW are under construction in the country. Details are given at Annexure-IV.

(c) & (d): No Large Hydroelectric Power Project as well as Thermal Power Project have been installed during the last three years and the current year in the State of Jharkhand and no large Hydroelectric Power Project is currently under construction in that State.

Four Thermal Power Projects with aggregate installed capacity of 7,260 MW are under construction in the State of Jharkhand. Details are given at Annexure-V.

ANNEXURE-I**ANNEXURE REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 1789 TO BE ANSWERED IN THE LOK SABHA ON 29.07.2021**

Hydro Electric Projects under Survey and Investigation stage**(As on 21.07.2021)**

Sl. No.	Name of the Project	State	Sector	Developer	Installed Capacity (MW)
1.	Sharavathy PSP	Karnataka	Private	KPCL	2000
2.	Upper Indravati	Odisha	Private	OHPCL	600
3.	Devsari*	Uttarakhand	Central	SJVNL	162
4.	Kodayar PSP	Tamil Nadu	State	TANGEDCO	500
5.	Balimela PSP	Odisha	State	OHPCL	500
6.	Bokang Bailing	Uttarakhand	State	THDC	200
7.	Sillahalla PSP	Tamil Nadu	State	TANGEDCO	1000
8.	Upper Kolab	Odisha	State	OHPCL	320
				Total	5282

* **S&I studies in respect of Devsari HEP is presently held up due to C.A. No. 6736/2013 pending before Hon'ble Supreme Court of India.**

ANNEXURE-II**ANNEXURE REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 1789 TO BE ANSWERED IN THE LOK SABHA ON 29.07.2021**

Hydro Electric Projects for which Detailed Project Reports are under examination in Central Electricity Authority**(As on 21.07.2021)**

Sl. No.	Name of the Project	State	Sector	Developer	Installed Capacity (MW)
1.	Thana Plaun	Himachal Pradesh	State	HPPCL	191
2.	Dugar	Himachal Pradesh	Central	NHPC	500
3.	Pinnapuram Standalone Pumped Storage Project	Andhra Pradesh	Private	GEPL	1200
4.	Dagmara	Bihar	Central	NHPC	130.1
		Total			2021.1

ANNEXURE-III

ANNEXURE REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 1789 TO BE ANSWERED IN THE LOK SABHA ON 29.07.2021

Hydro Electric Projects concurred/ appraised by Central Electricity Authority and yet to be taken up for construction

(As on 21.07.2021)

Sl. No	Name of Project	State/ UT	Sector	Developer	Installed Capacity (MW)	Date of concurrence/ appraisal
1.	Teesta Stage-IV	Sikkim	Central	NHPC	520	13.05.10
2.	Tawang Stage -I	Arunachal Pradesh	Central	NHPC	600	10.10.11
3.	Tawang Stage -II	Arunachal Pradesh	Central	NHPC	800	22.09.11
4.	Sawalkot	J&K	State	JKSPC	1856	18.04.18
5.	Turga Pumped Storage Project	West Bengal	State	WBSPCL	1000	05.10.16
6.	Miyar	Himachal Pradesh	Private	MHPCL	120	07.02.13
7.	Kalai-II	Arunachal Pradesh	Private	Kalai PPL	1200	27.03.15
8.	Heo	Arunachal Pradesh	Private	HHPPL	240	28.07.15
9.	Tato-I	Arunachal Pradesh	Private	SHPPL	186	28.10.15
10.	TalongLonda	Arunachal Pradesh	Private	GMR	225	16.08.13
11.	Etalin	Arunachal Pradesh	Private	EHEPCL	3097	12.07.13
12.	Sunni Dam	Himachal Pradesh	Central	SJVNL	382	23.12.20
13.	Wah-Umiam Stage-III	Meghalaya	Central	NEEPCO	85	10.06.21
14.	Kirthai-II	J&K	State	JKPDC	930	14.06.19
15.	Lower Siang	Arunachal Pradesh	Private	JAVL	2700	16.02.10
16.	Hirong	Arunachal Pradesh	Private	JAPL	500	10.04.13
17.	Naying	Arunachal Pradesh	Private	NDSCPL	1000	11.09.13
18.	Kynshi Stage-I	Meghalaya	Private	AKPPL	270	31.03.15
19.	Dikhu	Nagaland	Private	NMPPL	186	31.03.14
20.	Attunli	Arunachal Pradesh	Private	AHEPCL	680	02.07.18
21.	Kotlibhel Stage -IA	Uttarakhand	Central	NHPC	195	03.10.06
22.	Kotlibhel Stage-IB	Uttarakhand	Central	NHPC	320	31.10.06
23.	Alaknanda	Uttarakhand	Private	GMRL	300	08.08.08
24.	Demwe Lower	Arunachal Pradesh	Private	ADPL	1750	20.11.09
25.	Kwar	J&K	Joint Venture	CVPPL	540	23.02.17
26.	Loktak Downstream	Manipur	Joint Venture	LDHCL	66	05.05.17
27.	Dibang	Arunachal Pradesh	Central	NHPC	2880	18.09.17
28.	New Ganderwal	J&K	State	JKSPC	93	10.06.14
29.	Nafra	Arunachal Pradesh	Private	SNEL	120	11.02.11
30.	Chhatru	Himachal Pradesh	Private	DSC	126	15.01.15
	Total				22967	

ANNEXURE REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 1789 TO BE ANSWERED IN THE LOK SABHA ON 29.07.2021

Hydro Electric Project (above 25 MW) under construction in the country

(As on 21.07.2021)

Sl. No.	Name of the project	Sector	Developer	State	Installed Capacity (MW)	Anticipated commissioning Date
1.	Subansiri Lower	Central	NHPC	Arunachal Pradesh	2000	2023-24 (Aug'23)
2.	Parbati Stage-II	Central	NHPC	Himachal Pradesh	800	2021-22 (Mar'23)
3.	Luhri-I	Central	SJVN	Himachal Pradesh	210	2025-26 (Jan'26)
4.	Uhl-III	Private	BVPCL	Himachal Pradesh	100	2022-23 (Dec'22)
5.	Dhulasidh	Central	SJVNL	Himachal Pradesh	66	2025-26 (May'25)
6.	Shongtong Karcham	State	HPPCL	Himachal Pradesh	450	2024-25 (Mar'25)
7.	Bajoli Holi	Private	GMR	Himachal Pradesh	180	2021-22 (Sept'21)
8.	Sorang	Private	HSPCL	Himachal Pradesh	100	2021-22 (July'21)
9.	Tidong -I	Private	Statkraft IPL	Himachal Pradesh	100	2022-23 (Jun'22)
10.	Kutehr	Private	JSW Energy Ltd	Himachal Pradesh	240	2025-26 (Nov'25)
11.	Pakal Dul	Central	CVPPL	Jammu & Kashmir	1000	2025-26 (July'25)
12.	Parnai	State	JKSPDC	Jammu & Kashmir	37.5	2022-23 (Mar'23)
13.	Kiru	Central	CVPPL	Jammu & Kashmir	624	2024-25 (Aug.'24)
14.	Pallivasal	State	KSEB	Kerala	60	2021-22 (Dec'21)
15.	Thottiyar	State	KSEB	Kerala	40	2021-22 (Dec'21)
16.	Shahpurkandi	State	PSPCL/ Irrigation Deptt.	Punjab	206	2023-24 (Dec'23)
17.	Teesta Stage-VI	Central	NHPC	Sikkim	500	2023-24 (Mar'24)
18.	Kundah PSP Phase-I,II&III)	State	TANGEDCO	Tamil Nadu	500	2023-24 (Apr'23)
19.	Tehri Pumped Storage Project	Central	THDC	Uttarakhand	1000	2022-23 (Dec'22)
20.	Vishnugad Pipalkoti	Central	THDC	Uttarakhand	444	2023-24 (Dec'23)
21.	Naitwar Mori	Central	SJVN	Uttarakhand	60	2021-22 (June'22)
22.	Vyasi	State	UJVNL	Uttarakhand	120	2022-23 (Apr'22)
23.	Rammam-III	Central	NTPC	West Bengal	120	2022-23 (Nov'22)
24.	Lower Kopili	State	APGCL	Assam	120	2024-25 (Jun'24)

25.	Polavaram	State	APGENCO/ Irrigation Deptt.	Andhra Pradesh	960	2024-26
26.	TangnuRomai	Private	TRPG	Himachal Pradesh	44	2024-25 *
27.	Lower Kalnai	State	JKSPDC	Jammu & Kashmir	48	2025-26 *
28.	Ratle	Central	RHEPPL / NHPC	Jammu & Kashmir	850	2025-26
29.	Maheshwar	Private	SMHPCL	Madhya Pradesh	400	2023-24 *
30.	Koyna Left Bank	State	WRD, Maharashtra	Maharashtra	80	2025-26 *
31.	Rangit-IV	Central	NHPC	Sikkim	120	2025-26
32.	Bhasmey	Private	Gati Infrastructure	Sikkim	51	2024-25 *
33.	Rangit-II	Private	Sikkim Hydro	Sikkim	66	2024-25 *
34.	Panan	Private	Himagiri	Sikkim	300	2025-26 *
35.	Lata Tapovan	Central	NTPC	Uttarakhand	171	2025-26 *
36.	Tapovan Vishnugad	Central	NTPC	Uttarakhand	520	2023-24
37.	PhataByung	Private	LANCO	Uttarakhand	76	2024-25 *
	Total				12763.5	

(*) Construction for the hydro project is held up mid-way due to various reasons.

ANNEXURE-V

ANNEXURE REFERRED TO IN REPLY TO PARTS (c) & (d) OF UNSTARRED QUESTION NO. 1789 TO BE ANSWERED IN THE LOK SABHA ON 29.07.2021

Thermal Power Projects under Construction in the State of Jharkhand

(As on 21.07.2021)

Sl. No.	Name of Project	Sector	District	Unit No.	Capacity (MW)	Anticipated Commissioning
1	North Karanpura STPP	Central	Chatra	U-1	660	Dec'21
				U-2	660	June'22
				U-3	660	Dec'22
2	Patrutu STPP	Central	Ramgarh	U-1	800	Sept'23
				U-2	800	Mar'24
				U-3	800	Sept'24
3	Matrishri Usha TPP	Private	Latehar	U-1	270	*
				U-2	270	
				U-3	270	*
				U-4	270	
4	Tori TPP	Private	Angarha	U-1	600	#
				U-2	600	
				U-3	600	#
Total					7260	

(*) Work on hold. Admitted to NCLT on 19.02.2020.

(#) Work on hold. Liquidation order dated 18.12.2019.
