

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.3797
TO BE ANSWERED ON 18.03.2021**

INSTALLATION OF HYDROELECTRIC POWER PLANTS

3797. SHRI B. B. PATIL:

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

- (a) the details of plans proposed by the Government for installation of hydroelectric power plants across the country with the objective of reducing pollution, State-wise;**
- (b) the details of hydroelectric and thermal power plants installed in Telangana during the last three years, district-wise; and**
- (c) the details of progress of such projects undertaken in Telangana and the estimated time frame within which these are likely to be completed?**

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR POWER, NEW & RENEWABLE ENERGY AND THE MINISTER OF STATE FOR SKILL DEVELOPMENT & ENTREPRENEURSHIP

(SHRI R.K. SINGH)

(a) : Hydro Electric Projects (HEPs) are allotted to Central, State and Private Sector developers by the concerned State Government. Further, as per Section 8 of Electricity Act, 2003, any generating company intending to set-up a hydro generating station shall prepare and submit the proposal to Central Electricity Authority (CEA) for its concurrence, a scheme estimated to involve a capital expenditure exceeding such sum, as may be fixed by the Central Government, from time to time.

As per information available in CEA, the status of development of Hydro Electric Power Plants across the country, is as under:

- 6 HEPs (above 25 MW) with an aggregate Installed Capacity of 3,962 MW are at Survey and Investigation stage in the country. The details of the same are given at Annexure-I.**

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- **Detailed Project Reports of 6 HEPs (above 25 MW) with an aggregate Installed Capacity of 2,666 MW are under examination in CEA for concurrence. The details of the same are given at Annexure-II.**
- **33 HEPs (above 25 MW) with aggregate Installed Capacity of 23,064 MW have been concurred / appraised by CEA / State Government but construction has not started yet. These projects are pending due to various reasons. The details of the same are given at Annexure-III.**
- **36 HEPs (above 25 MW) with aggregate Installed Capacity of 12673.5 MW are presently under construction in the country. The details of the same are given at Annexure-IV.**

(b) : The District-wise details of Hydro Electric and Thermal Power Plants, installed in Telangana during the last three years (2018-19 onwards), are as under:

As on 12.03.2021

Sl. No.	Project Name	District	Installed Capacity (MW)	Commissioning Date
1	Pulichintala Hydro Electric Station, Unit - 4	Suryapet	30	08.09.2018
2	Kothagudem TPS Stage-VII	Bhadradi Kothagudem	800	26.12.2018
3	Bhadradi TPS, Unit - 1	Bhadradi Kothagudem	270	06.05.2020
4	Bhadradi TPS, Unit - 2	Bhadradi Kothagudem	270	12.07.2020
	Total		1370	

TPS – Thermal Power Station

(c) : The details of projects undertaken in Telangana and their commissioning schedule are as under:

S. No.	Project Name	Installed Capacity (MW)	Commissioning Schedule
1	Bhadradi Thermal Power Station, Unit-3 and Unit-4 (2x270 MW), Bhadradi Kothagudem District	540	Unit # 3 – March, 2021 Unit # 4 – June, 2021
2	Yadadri Thermal Power Station (5x800 MW), Nalgonda District	4000	By June, 2023
	Total	4540	

ANNEXURE-I

**ANNEXURE REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION
NO. 3797 TO BE ANSWERED IN THE LOK SABHA ON 18.03.2021**

Hydro Electric Projects at Survey & Investigation Stage

As on 12.03.2021

Sl. No.	Name of the Project	State	Developer	Installed Capacity (MW)
1.	Sharavathy PSP	Karnataka	KPCL	2000
2.	Upper Indravati	Odisha	OHPCL	600
3.	Devsari	Uttarakhand	SJVNL	162
4.	Bokang Bailing	Uttarakhand	THDC	200
5.	Kodayar PSP	Tamil Nadu	TANGEDCO	500
6.	Balimela PSP	Odisha	OHPC	500
			Total	3962

ANNEXURE-II**ANNEXURE REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 3797 TO BE ANSWERED IN THE LOK SABHA ON 18.03.2021**

Hydro Electric Projects for which Detailed Project Reports (DPR) are under examination in Central Electricity Authority**As on 12.03.2021**

S. No.	Name of the Project	State	Sector	Developer	Installed Capacity (MW)
1.	Bowala Nand Paryag	Uttarakhand	State	UJVNL	300
2.	Kirthai-I	Jammu & Kashmir	State	JKSPDC	390
3.	Wah-Umiam Stage-III	Meghalaya	Central	NEEPCO	85
4.	Thana Plaun	Himachal Pradesh	State	HPPCL	191
5.	Dugar	Himachal Pradesh	Central	NHPC	500
6.	Pinnapuram Standalone PSP	Andhra Pradesh	Private	Private	1200
				Total	2666

ANNEXURE-III

**ANNEXURE REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION
NO. 3797 TO BE ANSWERED IN THE LOK SABHA ON 18.03.2021**

**Hydro Electric Projects concurred / appraised by Central Electricity Authority / State
Governments but construction has not started yet**

As on 12.03.2021

Sl. No	Name of Project	State/ UT	Sector	Developer	Installed Capacity (MW)	Date of CEA/ State Govt. concurrence/ appraisal
1.	Teesta Stage-IV	Sikkim	Central	NHPC	520	13.05.10
2.	TawangStage -I	Arunachal Pradesh	Central	NHPC	600	10.10.11
3.	TawangStage -II	Arunachal Pradesh	Central	NHPC	800	22.09.11
4.	Sawalkot	J&K	State	JKSPC	1856	18.04.18
5.	Lower Kopili	Assam	State	APGCL	120	24.05.16
6.	Turga Pumped Storage Project	West Bengal	State	WBPCL	1000	05.10.16
7.	Miyar	Himachal Pradesh	Private	MHPCL	120	07.02.13
8.	Kalai-II	Arunachal Pradesh	Private	Kalai PPL	1200	27.03.15
9.	Heo	Arunachal Pradesh	Private	HHPPL	240	28.07.15
10.	Tato-I	Arunachal Pradesh	Private	SHPPL	186	28.10.15
11.	Talong Londa	Arunachal Pradesh	Private	GMR	225	16.08.13
12.	Etalin	Arunachal Pradesh	Private	EHEPCL	3097	12.07.13
13.	Sunni Dam	Himachal Pradesh	Central	SJVNL	382	23.12.20
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.	KotlibhelStage-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.	Chanju-III	Himachal Pradesh	State	HPPCL	48	*
31.	Deothal Chanju	Himachal Pradesh	State	HPPCL	30	*
32.	Dhaulasidh	Himachal Pradesh	Central	SJVNL	66	*
33.	Jhakol Sankhri	Himachal Pradesh	Central	SJVNL	44	*
				Total	23064	

(*) Hydro Electric Project concurred / appraised by State Government and Date of concurrence/ appraisal is not readily available with CEA

ANNEXURE REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 3797 TO BE ANSWERED IN THE LOK SABHA ON 18.03.2021

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

As on 12.03.2021

Sl. No.	Name of the project	Sector	Developer	State	Installed Capacity (MW)	Anticipated Commissioning Date
1.	Subansiri Lower	Central	NHPC	Arunachal Pradesh	2000.00	2023-24 (Aug'23)
2.	Parbati St. II	Central	NHPC	Himachal Pradesh	800.00	2021-22 (Mar'22)
3.	Luhri-I	Central	SJVN	Himachal Pradesh	210.00	2025-26 (Feb'26)
4.	Uhl-III	Private	BVPCL	Himachal Pradesh	100.00	2022-23 (Dec'22)
5.	Shongtong Karcham	State	HPPCL	Himachal Pradesh	450.00	2024-25 (Mar'25)
6.	Bajoli Holi	Private	GMR	Himachal Pradesh	180.00	2021-22 (Dec'21)
7.	Sorang	Private	HSPCL	Himachal Pradesh	100.00	2021-22 (Dec'21)
8.	Tidong-I	Private	Statkraft IPL	Himachal Pradesh	100.00	2022-23 (Jun'22)
9.	Kutehr	Private	JSW Energy Ltd.	Himachal Pradesh	240.00	2025-26 (Nov'25)
10.	Pakal Dul	Central	CVPPPL	Jammu & Kashmir	1000.00	2025-26 (July'25)
11.	Parnai	State	JKSPDC	Jammu & Kashmir	37.50	2022-23 (Mar'23)
12.	Kiru	Central	CVPPPL	Jammu & Kashmir	624.00	2024-25 (Aug.'24)
13.	Pallivasal	State	KSEB	Kerala	60.00	2021-22 (Dec'21)
14.	Thottiyar	State	KSEB	Kerala	40.00	2021-22 (Apr'21)
15.	Shahpurkandi	State	PSPCL/ Irrigation Deptt.	Punjab	206.00	2023-24 (Dec'23)
16.	Teesta Stage-VI	Central	NHPC	Sikkim	500.00	2023-24 (Mar'24)
17.	Rongnichu	Private	Madhya Bharat	Sikkim	96.00	2020-21 (Mar'21)
18.	Kundah PSP Phase-I, II & III)	State	TANGEDCO	Tamil Nadu	500.00	2023-24 (Apr'23)
19.	Tehri PSP	Central	THDC	Uttarakhand	1000.00	2022-23 (Dec'22)
20.	Vishnugad Pipalkoti	Central	THDC	Uttarakhand	444.00	2023-24 (Dec'23)
21.	Naitwar Mori	Central	SJVN	Uttarakhand	60.00	2021-22 (Dec-21)
22.	Vyasi	State	UJVNL	Uttarakhand	120.00	2022-23 (Apr'22)
23.	Rammam-III	Central	NTPC	West Bengal	120.00	2022-23 (Nov'22)
24.	Tapovan Vishnugad	Central	NTPC	Uttarakhand	520.00	2022-23 (Dec'22)
25.	Polavaram	State	APGENCO/ Irrigation Deptt.	Andhra Pradesh	960.00	2023-25 *
26.	Tangnu Romai-I	Private	TRPG	Himachal Pradesh	44.00	2024-25 *
27.	Lower Kalnai	State	JKSPDC	Jammu & Kashmir	48.00	2025-26 *
28.	Ratle	Central	RHEPPL / NHPC	Jammu & Kashmir	850.00	2025-26 **
29.	Maheshwar	Private	SMHPCL	Madhya Pradesh	400.00	2023-24 *
30.	Koyna Left Bank	State	WRD, Maharashtra	Maharashtra	80.00	2025-26 *
31.	Rangit-IV	Central	NHPC	Sikkim	120.00	2025-26 ***
32.	Bhasmey	Private	Gati Infrastructure	Sikkim	51.00	2024-25 *
33.	Rangit-II	Private	Sikkim Hydro	Sikkim	66.00	2024-25 *
34.	Panan	Private	Himagiri	Sikkim	300.00	2025-26 *
35.	Lata Tapovan	Central	NTPC	Uttarakhand	171.00	2025-26 *
36.	Phata Byung	Private	LANCO	Uttarakhand	76.00	2024-25 *
				Total	12673.5	

(*) Construction for the Hydro Electric Project is held up mid-way due to various reasons.

(**) Investment approval for the Project has been accorded by Cabinet on 20.01.2021 and is going to be taken up by JV between NHPC (51%) & JKSPDCL (49%).

(***) PIB in its meeting held on 12.02.2021 recommended for investment approval of the project.
