

GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
UNSTARRED QUESTION NO.1580
ANSWERED ON 09.12.2024

POWER GENERATION CAPABILITIES

1580 SHRI NARESH BANSAL:

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

- (a) whether it is a fact that the power demand is increasing in the country every year, if so, the details thereof;
- (b) the details of the progress made in enhancing power generation capabilities in the State of Uttarakhand and other Himalayan States; and
- (c) the overview of the projects implemented to enhance power supply capacity in the NER particularly in the State of Uttarakhand including the specific States that are expected to benefit from these initiatives, with details regarding project names, locations, capacity additions, and estimated completion dates by different ways?

A N S W E R

THE MINISTER OF STATE IN THE MINISTRY OF POWER

(SHRI SHRIPAD NAIK)

(a) : There has been consistent growth in Energy Requirement and Peak Demand in the country. The details of All India power supply position during the last five years and current year (upto October, 2024) are at **Annexure-I**.

(b) & (c) : List of sanctioned/under implementation Hydro Electric Projects planned for commissioning till 2031-32 in Himalayan States including Uttarakhand and States of the North Eastern Region (NER) is at **Annexure-II**. Further, details of under construction Pumped Storage Project (PSPs) in Uttarakhand are at **Annexure-III**.

ANNEXURE-I

ANNEXURE REFERRED IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 1580 ANSWERED IN THE RAJYA SABHA ON 09.12.2024

The details of All India power supply position during last five years and current year (upto October, 2024)

Year	Energy Requirement		Energy Supplied		Energy Not Supplied	
	(MU)	% Growth	(MU)	% Growth	(MU)	(%)
2019-20	12,91,010		12,84,444		6,566	0.5
2020-21	12,75,534	-1.2*	12,70,663	-1.1*	4,871	0.4
2021-22	13,79,812	8.2	13,74,024	8.1	5,787	0.4
2022-23	15,13,497	9.7	15,05,914	9.6	7,583	0.5
2023-24	16,26,132	7.4	16,22,020	7.7	4,112	0.3
2024-25(upto October, 2024)	10,26,642	4.7	10,25,379	4.9	1,263	0.1

*Due to Covid Pandemic

Year	Peak Demand		Peak Met		Demand not Met	
	(MW)	% Growth	(MW)	% Growth	(MW)	(%)
2019-20	1,83,804		1,82,533		1,271	0.7
2020-21	1,90,198	3.5	1,89,395	3.8	802	0.4
2021-22	2,03,014	6.7	2,00,539	5.9	2,475	1.2
2022-23	2,15,888	6.3	2,07,231	3.3	8,657	4.0
2023-24	2,43,271	12.7	2,39,931	15.8	3,340	1.4
2024-25(upto October, 2024)	2,49,856	2.7	2,49,854	4.1	2	0.001

**ANNEXURE REFERRED IN REPLY TO PARTS (b) & (c) OF UNSTARRED QUESTION NO. 1580
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The details of sanctioned/under implementation Hydro Electric Projects planned for commissioning till 2031-32 in Himalayan States including Uttarakhand and States of the North Eastern Region (NER):

Sl. No	Project Name	Developer	Sector	State	Capacity (MW)
F Y. 2024-25					
1	Parbati-II	NHPC	Central	Himachal Pradesh	800
2	Uhl-III	BVPCL	State	Himachal Pradesh	100
3	Subansiri Lower	NHPC	Central	Arunachal Pradesh	750
Sub-Total (FY 2024-25)					1650
F Y. 2025-26					
1	Rangit-IV	NHPC	Central	Sikkim	120
2	Lower Kopili /APGCL	APGCL	State	Assam	120
3	Kutehr	JSW	Private	Himachal Pradesh	240
4	Subansiri Lower*	NHPC	Central	Arunachal Pradesh	500
5	Tidong-I	Statekraft India	Private	Himachal Pradesh	150
Sub-Total (FY 2025-26)					1130
F Y. 2026-27					
1	Kiru	CVPPPL	Central	Jammu & Kashmir	624
2	Subansiri Lower	NHPC	Central	Arunachal Pradesh	750
3	Ratle	NHPC	Central	Jammu & Kashmir	850
4	PakalDul	CVPPPL	Central	Jammu & Kashmir	1000
5	VishnugadPipalkoti	THDC	Central	Uttarakhand	444
6	ShongtongKarcham	HPPCL	State	Himachal Pradesh	450
7	Dhaulasidh	SJVN	Central	Himachal Pradesh	66
Sub-Total (FY 2026-27)					4184
F Y. 2027-28					
1	Teesta- VI	NHPC	Central	Sikkim	500
2	Kwar	CVPPPL	Central	Jammu & Kashmir	540
3	Chanju-III	HPPCL	State	Himachal Pradesh	48
4	Luhri-I	SJVN	Central	Himachal Pradesh	210
5	Parnai	JKSPDC	State	Jammu & Kashmir	37.5
Sub-Total (FY 2027-28)					1335.5
F Y. 2028-29					
1	Sunni Dam	SJVN	Central	Himachal Pradesh	382
2	TapovanVishnugad	NTPC	Central	Uttarakhand	520
3	Lakhwar Multipurpose Project	UJVNL	State	Uttarakhand	300
4	Tato-I	NEEPCO	Central	Arunachal Pradesh	186
5	Heo	NEEPCO	Central	Arunachal Pradesh	240
Sub-Total (FY 2028-29)					1628
F Y. 2031-32					
1	Dibang	NHPC	Central	Arunachal Pradesh	2880
Sub-Total (FY 2031-32)					2880
Grand Total					12807.5

ANNEXURE-III

**ANNEXURE REFERRED IN REPLY TO PARTS (b) & (c) OF UNSTARRED QUESTION NO. 1580
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The details of under construction Pumped Storage Project (PSPs) in Uttarakhand:

S.No.	Name of Project	State	IC (MW)	Developer
Year - 2024-25				
1	Tehri PSS	Uttarakhand	250	THDC
	Total		250	
Year - 2025-26				
2	Tehri PSS	Uttarakhand	750	THDC
	Total		750	
	Grand Total		1000	
