

GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
UNSTARRED QUESTION NO.1111
ANSWERED ON 12.12.2023

POWER GENERATION CAPABILITIES IN THE NORTH EAST REGION

1111 # SHRI MITHLESH KUMAR:
DR. SUMER SINGH SOLANKI:
SHRI SATISH CHANDRA DUBEY:

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

- (a) the details of initiatives implemented to enhance or expand power generation capabilities in the North East region of the country; and
- (b) the detailed overview of the projects implemented to enhance power supply capacity in the North East region, including the specific States that are expected to benefit from these initiatives along with the project names, locations, capacity additions, and estimated completion dates?

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a): The States in the North Eastern part of our country are endowed with large Hydro potential. In order to attract investments in developing Hydro Power, Government have taken the following initiatives:

- Declaring Large Hydro Power (LHPs) (> 25 MW projects) as renewable energy source.
- Putting in place a Hydro Purchase Obligation (HPO)
- Tariff rationalization measures for bringing down hydro power tariff.
- Budgetary support for flood moderation/storage in Hydro Electric Projects (HEPs).
- Budgetary support towards cost of enabling infrastructure, i.e. roads/bridges.
- Full 100 % waiver of Inter State Transmission System (ISTS) charges for new hydro power projects in which construction work is awarded and Power Purchase Agreement (PPA) is signed on or before 30.06.2025. The details of waiver of ISTS charges trajectory where construction work is awarded and PPA is signed after 30.06.2025 are enclosed at **Annexure-I**.

(b): Projects with aggregate installed capacity of 11,703MW (6,760 MW from conventional sources of energy and 4,943 MW from non-conventional sources of energy) have been commissioned in the North Eastern region. The details are enclosed at **Annexure-II**.

Currently, eight hydroelectric projects with aggregate installed capacity of 6,037 MW are under construction in the North Eastern region of the country. The details are enclosed at **Annexure-III**.

Further, Central Electricity Authority (CEA) has accorded concurrence to seventeen hydro electric schemes (aggregating to 14,589 MW) in North Eastern region. The details are enclosed at **Annexure-IV**.

ANNEXURE-I

ANNEXURE REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 1111 ANSWERED IN THE RAJYA SABHA ON 12.12.2023

Details of waiver ISTS charges trajectory where construction work is awarded and PPA is signed after 30.06.2025

Sl. No	Awarded of Construction work + Signing of PPA	Waiver of ISTS charges
1	01.07.2025 to 30.06.2026	75%
2	01.07.2026 to 30.06.2027	50%
3	01.07.2027 to 30.06.2028	25%

Waiver will be applicable for 18 years post-commissioning.

ANNEXURE-II

ANNEXURE REFERRED TO IN REPLY TO PART (b) OF UNSTARRED QUESTION NO. 1111 ANSWERED IN THE RAJYA SABHA ON 12.12.2023

Details of commissioned power projects (from conventional sources of energy) located in North East region (as on 31.10.2023)

State	Name of Project	Fuel	Capacity (MW)
Arunachal Pradesh	Kameng HPS	Hydro	600
	Pare	Hydro	110
	Ranganadi HPS	Hydro	405
Assam	Karbi langpi HPS	Hydro	100
	Lakwa GT	Gas	97
	Lakwa Replacement Power Project	Gas	70
	Namrup CCPP	Gas	139
	Kathalguri CCPP	Gas	291
	Khondong HPS	Hydro	50
	Kopili HPS	Hydro	200
	Bongaigaon TPP	Coal	750
Manipur	Leimakhong DG	Diesel	36
	Loktak HPS	Hydro	105
Meghalaya	Kyrdemkulai HPS	Hydro	60
	Myntdu (Ieshka) ST-1 HPS	Hydro	126
	New Umtru HPS	Hydro	40
	Umiyam HPS ST-I	Hydro	36
	Umiyam HPS ST-IV	Hydro	60
Mizoram	Tuirial HPS	Hydro	60
Nagaland	Doyang HPS	Hydro	75
Tripura	Agartala GT	Gas	135
	Monarchak CCPP	Gas	101
	Tripura CCPP	Gas	727
	Baramura GT	Gas	42
	Rokhia GT	Gas	63
Sikkim	Rangit HPS	Hydro	60
	Teesta V HPS	Hydro	510
	Teesta-III HPS	Hydro	1,200
	Tashiding HPS	Hydro	97
	Rongnichu HPS	Hydro	113
	Chuzachen HPS	Hydro	110
	Jorethang Loop	Hydro	96
	Dikchu HPS	Hydro	96

HPS – Hydro Power Station, GT – Gas Turbine, CCPP- Combined Cycle Power Plants, ST – Steam Turbine

**State-wise installed capacity of non-conventional sources of energy as on 30.11.2023 in
North East region**

(In MW)

	STATES	Small Hydro Power	Bio Power	Solar Power	Large Hydro Power	Total Capacity
1	Arunachal Pradesh	133	-	12	1,115	1,260
2	Assam	34	2	156	350	542
3	Manipur	5	-	13	105	123
4	Meghalaya	55	14	4	322	395
5	Mizoram	45	-	30	60	136
6	Nagaland	33	-	3	75	111
7	Sikkim	55	-	5	2,282	2,342
8	Tripura	16	-	18	-	34

ANNEXURE-III

ANNEXURE REFERRED TO IN REPLY TO PART (b) OF UNSTARRED QUESTION NO. 1111 ANSWERED IN THE RAJYA SABHA ON 12.12.2023

List of Hydro Electric Projects (above 25 MW) under construction in North East region

Sl. No.	Name of Project	Sector	Cap. Under Execution(MW)	Estimated Year of Completion
Arunachal Pradesh				
1	Subansiri Lower	Central	2,000	2023-26 (May'25)
2	Dibang Multipurpose Project	Central	2,880	2031-32 (Feb'32)
Assam				
3	Lower Kopli	State	120	2024-25 (Mar'25)
Sikkim				
4	Teesta St. VI	Central	500	2026-27 (Aug'26)
5	Rangit-IV	Central	120	2024-25 (Aug'24)
6	Bhasmey	Private	51	-
7	Rangit-II	Private	66	-
8	Panan	Private	300	-

ANNEXURE-IV**ANNEXURE REFERRED TO IN REPLY TO PART (b) OF UNSTARRED QUESTION NO. 1111 ANSWERED IN THE RAJYA SABHA ON 12.12.2023**

Details of hydro electric schemes accorded concurrence by Central Electric Authority (CEA) in North Eastern region

S. No	Name of Scheme	State	Installed Capacity (MW)	Estimated Year of Completion
1.	Teesta ST-IV	Sikkim	520	2031-32
2.	Tawang St-I	Arunachal Pradesh	600	Beyond 2031-32
3.	Wah-Umiam Stage-III	Meghalaya	85	2029-30
4.	Tawang ST-II	Arunachal Pradesh	800	Beyond 2031-32
5.	Heo	Arunachal Pradesh	240	2028-29
6.	Tato-I	Arunachal Pradesh	186	2028-29
7.	Tato-II	Arunachal Pradesh	700	Beyond 2031-32
8.	Demwe Lower	Arunachal Pradesh	1750	2031-32
9.	Kalai-II	Arunachal Pradesh	1200	Beyond 2031-32
10.	Talong Londa	Arunachal Pradesh	225	2031-32
11.	Etalin	Arunachal Pradesh	3,097	2030-31
12.	Nafra	Arunachal Pradesh	120	2027-28
13.	Hirong	Arunachal Pradesh	500	Beyond 2031-32
14.	Naying	Arunachal Pradesh	1,000	Beyond 2031-32
15.	Attunli	Arunachal Pradesh	680	2030-31
16.	Lower Siang	Arunachal Pradesh	2,700	Beyond 2031-32
17.	Dikhu	Nagaland	186	2030-31
