

GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
UNSTARRED QUESTION NO.955
ANSWERED ON 27.07.2026

ELECTRICITY DEMAND IN NORTH EASTERN REGION

955 SHRI PRAMOD BORO:

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

- (a) whether Government has undertaken any assessment of the power demand requirement of Assam upto the year 2030, if so, findings thereof, if not, the reasons therefor;
- (b) details regarding the methodology and assumptions used for such demand projections, including factors relating to population growth, industrial expansion, urbanisation and electrification targets;
- (c) details regarding the current power demand and supply in the State of Assam, including peak demand and available capacity; and
- (d) details regarding ongoing power projects planned to be completed before 2030, including their current status, the name of the authority or company managing the project, and power generation capacity?

A N S W E R

THE MINISTER OF STATE IN THE MINISTRY OF POWER

(SHRI SHRIPAD NAIK)

(a): As per midterm review of 20th Electric Power Survey (EPS) conducted by Central Electricity Authority (CEA), the estimated energy requirement and peak demand of Assam from FY 2026-27 to 2029-30 is given at **Annexure-I**.

(b): Electric Power Survey (EPS) of the country is conducted every five years for estimating the electricity demand of the country, as obligated under Section 73(a) of the Electricity Act-2003. It covers State / Union Territory wise, region-wise & all India electricity demand forecast on short, medium and long term. Two statistical methods i.e Econometric Method and Partial End Use Method (PEUM) has been adopted.

In the PEUM method, apart from general growth trends assessed from the past data, the likely impacts of various emerging aspects and government initiatives/policies such as energy efficiency measures, penetration of electric vehicles, solar roof top, National Hydrogen Mission, PM KUSUM Yojna etc. have also been factored in while assessing the electricity demand in future. Yearly electricity demand projection under PEUM method has been done for different consumer categories viz domestic, commercial, irrigation, industries, public water works, public lighting, Railways etc., for DISCOMs/ State/ UTs/ Regions and for the country. The forecast has been prepared in consultation with all concerned power utilities and their mutual consensus.

In Econometric Method, besides the past electricity consumption data, parameters such as Gross Domestic Product (GDP), rainfall, temperature etc are also taken into account.

(c): The details of Power Supply Position for the State of Assam in terms of Energy requirement/ Energy Supplied and Peak demand/ peak demand met (available capacity) for last three financial years and the current year (upto June, 2026) is given at **Annexure-II**.

(d): In the North Eastern Region (including Assam), six Hydroelectric Power Projects (HEPs), with a combined installed capacity of 2,166 MW, are currently under implementation and are scheduled to be commissioned on or before 31 December 2030. The latest physical progress of these projects (as on 30 June 2026) along with the name of project, executing agency/ company and the proposed installed generation capacity of each project, is given at **Annexure-III**.

ANNEXURE-I

**ANNEXURE REFERRED IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 955
ANSWERED IN THE RAJYA SABHA ON 27.07.2026**

Estimated energy requirement and peak demand of Assam from FY 2026-27 to 2029-30:

FY	Energy Requirement [Million Unit (MU)]	Peak Demand [Mega Watt (MW)]
2026-27	14,978	2,914
2027-28	15,972	3,068
2028-29	17,056	3,235
2029-30	18,162	3,403

ANNEXURE-II

ANNEXURE REFERRED IN REPLY TO PART (c) OF UNSTARRED QUESTION NO. 955 ANSWERED IN THE RAJYA SABHA ON 27.07.2026

The details of Power Supply Position for the State of Assam in terms of Energy requirement/ Energy Supplied and Peak demand/ peak demand met (available capacity) for last three financial years and the current year (upto June, 2026):

Financial Year	Energy [Million Unit (MU)]				Peak [Mega Watt (MW)]			
	Energy Requirement	Energy Supplied	Energy not Supplied		Peak Demand	Peak Demand Met	Demand Not Met	
	(MU)	(MU)	(MU)	(%)	(MW)	(MW)	(MW)	(%)
2023-24	12,445	12,341	104	0.8	2,413	2,413	0	0.0
2024-25	12,843	12,837	6	0.0	2,812	2,687	125	4.4
2025-26	13,616	13,615	1	0.0	2,812	2,812	0	0.0
2026-27 (upto June, 2026)	3,531	3,521	9	0.3	2,683	2,658	25	0.9

(*) Data for the month of June, 2026 is Provisional

**ANNEXURE REFERRED IN REPLY TO PART (d) OF UNSTARRED QUESTION NO. 955
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The details of power projects under implementation in North Eastern Region anticipated to be commissioned before 31.12.2030:

Sl. No.	Name of Power Project and Executing Agency	State	Location (District)	Proposed Installed Capacity (No. of units x capacity in MW)	Capacity Under Execution (MW)	Physical Progress (in %)
A. Arunachal Pradesh						
1	Subansiri Lower HEP, NHPC ^{\$}	Arunachal Pradesh / Assam	Lower Subansiri, Ar. Pradesh / Dhemaji, Assam	4x250	1,000	97.84
2	HEO HEP, NEEPCO*	Arunachal Pradesh	West Siang	3x80	240	6.33
3	Tato-I HEP, NEEPCO*	Arunachal Pradesh	Shi-Yomi	3x62	186	5.10
Sub-total					1,426	
B. Assam						
4	Lower Kopili HEP, APGCL#	Assam	Dima Hasao & Karbi Anglong	2x55+2x2.5+1x5	120	98.65
Sub-total					120	
C. Sikkim						
5	Teesta St. VI HEP, NHPC ^{\$}	Sikkim	South Sikkim	4x125	500	73.48
6	Rangit-IV HEP, NHPC ^{\$}	Sikkim	West Sikkim	3x40	120	97.34
Sub-total					620	
Total					2,166	

Legend:

* NEEPCO: North Eastern Electric Power Corporation Ltd

\$ NHPC: National Hydro Electric Project Corporation.

APGCL: Assam Power Generation Corporation Ltd
