

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.3352
ANSWERED ON 20.03.2025**

POWER DEMAND SURGE IN ASSAM

3352. SHRI GAURAV GOGOI:

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

- (a) whether the Government is aware that Assam's power demand is expected to increase to seven thousand megawatts by 2041 according to Assam Power Distribution Company Limited and if so, the details thereof;**
- (b) the current installed power generation capacity in Assam and the projected capacity additions planned to meet future demand;**
- (c) the key challenges identified by Assam Power Distribution Company Limited in managing this rising demand, including infrastructure, transmission losses and financial constraints;**
- (d) the measures taken/being taken to enhance power generation, upgrade transmission and distribution infrastructure and ensure affordable electricity supply to consumers in the State; and**
- (e) whether the Government is considering renewable energy projects and inter-State power purchase agreements to supplement Assam's energy needs, if so, the details thereof?**

A N S W E R

THE MINISTER OF STATE IN THE MINISTRY OF POWER

(SHRI SHRIPAD NAIK)

(a): As per 20th Electric Power Survey (EPS) report, published by Central Electricity Authority (CEA), energy requirement and peak demand for the State of Assam for the year 2041-42 is estimated to be 33,430 MU and 7,006 MW respectively.

(b): The current installed generation capacity (allocation based) for Assam is 2,367 MW. The source-wise details are given at Annexure. As per the Resource Adequacy (RA) study for Assam, conducted by power utilities of Assam with support from CEA, the projected contracted capacity required by state of Assam in 2034-35 is likely to be 8,292 MW, which consists of 2,499 MW from Coal, 771 MW from Gas, 1,168 MW from Hydro, 3,304 MW from Solar, 550 MW from Wind. In addition, 915 MW of storage contracts, 1,495 MW from Distributed Renewable Energy (DRE) sources and 1,139 MW from Short term/medium term/ banking arrangement may also be required.

(c) to (e) : According to Assam Power Distribution Company Limited's (APDCLs), there is no challenge in arranging power supply in Assam. Adequate power supply arrangement has been made by APDCL through Power Purchase Agreements for 2,500 MW. In addition, APDCL will procure 120 MW from Assam Power Generation Company Limited (APGCL) Lower Kopili Hydro Project, 208 MW from the NHPC Lower Suwansiri Hydro Project, 495 MW thermal power from the Neyveli Uttar Pradesh Power Ltd (NUPPL) Ghatampur, 154 MW from NTPC Talcher and 173 MW from Bhutan's Punatsangchhu Hydro Plant in coming years. Also 500 MW thermal power has been arranged through Tariff Based Competitive Bidding (TBCB) using coal allocation under SHAKTI B (iv) Policy.

Further, in order to enhance power generation, upgrade transmission and distribution infrastructure and to ensure affordable electricity supply to the consumers in Assam, following measures have been taken:

(i) Power generation through New and Renewable Energy:

- A. Implementation of 1000 MWp (750 MWAC) Solar Power Plant in the State under "Mukhya Mantri Sauro Shakti Prokolpo" through Asian Development Bank (ADB) funding.**
- B. Development of 1,000 MW Renewable Power Projects by formation of JV between APDCL and SJVN Green Energy Ltd.**
- C. Development of 1,000 MW Renewable Power Projects by formation of JV between APDCL and NLC India Ltd.**
- D. Setting up of 250 MW Battery Energy Storage System (BESS) by formation of JV between APDCL and ONGC Tripura Power Company Ltd.**
- E. Installation of Rooftop Solar Plants in residential consumers under PM Surya Ghar Muft Bijli Yojana. Number of beneficiaries as on 13.03.2025 is 9,098 and total installed capacity is 28 MW.**
- F. Procurement of 70 MW Solar power from Grid Connected Ground Mounted Solar PV Project to be developed under Build-Own-Operate (BOO) mode.**
- G. Procurement of 50 MW Solar power from Grid Connected Ground Mounted Solar PV Project to be developed under Build-Own-Operate (BOO) mode.**
- H. Procurement of 200 MW Solar power from Grid Connected Ground Mounted Solar PV Project to be developed under Build-Own-Operate (BOO) mode.**
- I. Procurement of 15 MW Solar power from Grid Connected Ground Mounted Solar PV Project to be developed under Build-Own-Operate (BOO) mode.**

(ii) To upgrade distribution infrastructure, Govt. of Assam has taken up the “Assam Distribution System Enhancement and Loss Reduction” project in the Assam under Externally Aided Project (EAP) scheme which is being funded by “Asian Infrastructure Investment Bank (AIIB)” for a total project cost of Rs 3,284.04 Crore.

Under this project, 196 nos of new 33/11 kV Sub-stations are under construction along with 2,415 Km of new 33 kV line and 2,272 Km of new 11 kV line in different areas of Assam. High Voltage Distribution System (HVDS) with 3,673 nos. of new Distribution Transformer (DTRs) and associated 1,683 Km of new 11 kV lines are also in progress.

(iii) In addition, Government of India has launched Revamped Distribution Sector Scheme (RDSS) in July 2021 with the objective of improving the quality and reliability of power supply to consumers through a financially sustainable and operationally efficient Distribution Sector. The Scheme has an outlay of Rs. 3,03,758 crore and a Gross Budgetary Support of Rs. 97,631 crores from Government of India over a period of five years from FY 2021-22 to FY 2025-26. Under the scheme, Smart Metering and Distribution Infrastructure works amounting to Rs. 7,444 Cr. have been sanctioned for the State of Assam. These works, inter-alia, include Smart Metering of 63.64 lakh consumers, 77,547 no. of distribution transformers and 2,782 feeders in the State. Further, the Distribution Infrastructure works include re-conductoring of Low Tension (LT) bare conductors, Implementation of High Voltage Distribution System, Bifurcation of 11KV feeders, Replacement of old 11kV and 33KV conductors and addition of new 33kV feeders. As per information available, the Assam Power Distribution Company Ltd. (APDCL) has achieved physical progress of ~41% under the scheme.

ANNEXURE**ANNEXURE REFERRED IN REPLY TO PART (b) OF UNSTARRED QUESTION NO. 3352 ANSWERED IN THE LOK SABHA ON 20.03.2025**

The current installed generation capacity (allocation based) in MW for Assam as on February, 2025

Ownership / Sector	Mode wise breakup									Grand Total
	Thermal					Nuclear	Renewable			
	Coal	Lignite	Gas	Diesel	Total		Hydro	RES	Total	
State	0.00	0.00	306.36	0.00	306.36	0.00	100.00	5.01	105.01	411.37
Private	0.00	0.00	0.00	0.00	0.00	0.00	0.00	198.44	198.44	198.44
Central	874.52	0.00	435.56	0.00	1,310.08	0.00	422.08	25.00	447.08	1,757.16
Sub-Total	874.52	0.00	741.92	0.00	1,616.44	0.00	522.08	228.45	750.53	23,66.97

Note: In addition, 302 MW from unallocated pool of Central Generating Station has been allocated to Assam.
