

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.4570
ANSWERED ON 27.03.2025**

POWER CONSUMPTION IN INDUSTRIES

†4570. SHRI ASHOK KUMAR RAWAT:

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

- (a) whether any evaluation has been made regarding the annual rate of increase in the per capita consumption of power in the country;**
- (b) if so, whether any assessment has been made regarding the excessive increase in the demand of electricity during the last few years in the country;**
- (c) whether each state is working in a planned way to cater the supply and demand of power, if so, the details thereof;**
- (d) the total quantum of power consumed by the industries and households each year in the country; and**
- (e) whether any assessment has been made regarding power consumption in the industries and households during the last three years and if so, the details thereof?**

A N S W E R

THE MINISTER OF STATE IN THE MINISTRY OF POWER

(SHRI SHRIPAD NAIK)

(a): The details of year-wise per capita consumption of power in the country indicating the annual rate of increase during the period from March, 2018 to March, 2024 are given at Annexure-I.

(b): There has been consistent increase in demand of electricity in the country during last few years. The details of Energy requirement during the period from 2018-19 till 2023-24, as per Annexure-II, indicate CAGR (Compounded Annual Growth Rate) of 5% during this period. The implementation of Government of India schemes such as Deen Dayal Upadhyaya Gram Jyoti Yojana (DDUGJY), Integrated Power Development Scheme (IPDS), and Pradhan Mantri Sahaj Bijli Har Ghar Yojana (SAUBHAGYA) has significantly improved electricity access and provided reliable & continuous power supply to households in both rural and urban areas across the country. In addition, factors like rapid economic growth, urbanization, rising living standards and the growing use of energy-intensive devices like air conditioners, other appliances, and digital technologies further contribute to this demand. Moreover, climate change-induced heat stress, and variable monsoon rainfall, also contribute to the rising demand for electricity.

Government of India is further supporting States for grid electrification of households left-out during SAUBHAGYA, under the ongoing scheme of Revamped Distribution Sector Scheme (RDSS), launched in July, 2021. In addition, all identified households belonging to Particularly Vulnerable Tribal Group (PVTG) under PM-JANMAN (Pradhan Mantri Janjati Adivasi Nyaya Maha Abhiyan) and tribal households under DA-JGUA (Dharti Aaba Janjatiya Gram Utkarsh Abhiyan) are being sanctioned for on-grid electricity connection under RDSS, as per the Scheme guidelines. Till date, works amounting to Rs. 4,643 Cr. have been sanctioned for electrification of 10,19,030 households including PVTG households identified under PM-JANMAN and tribal households identified under DA-JGUA across all the States.

With collective efforts of Centre and States/UTs, the average hours of supply in rural and urban areas have improved to 21.9 hrs and 23.4 hrs, respectively, in FY 2024.

(c): With a view to ensure generation capacity remains ahead of projected peak demand, all the States, in consultation with CEA, have prepared their “Resource Adequacy Plans (RAPs)”, which are dynamic 10 year rolling plans and includes power generation as well as power procurement planning.

All the States were advised to initiate process for creation of generation capacities; from all generation sources, as per their Resource Adequacy Plans.

(d) & (e): The details of Electricity consumed by the industries and household in the country from FY 2017-18 to 2022-23 indicating also the growth rate during this period are given at Annexure-III.

ANNEXURE-I**ANNEXURE REFERRED IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 4570 ANSWERED IN THE LOK SABHA ON 27.03.2025**

The detail of year-wise per capita consumption of power in the country along with annual rate of increase from March, 2018 to March, 2024:

Financial Year	Per Capta Consumption(kWh)	Annual Rate of increase (%)
31.03.2018	1,149	
31.03.2019	1,181	2.79
31.03.2020	1,208	2.29
31.03.2021	1,161	-3.89*
31.03.2022	1,255	8.10
31.03.2023	1,331	6.06
31.03.2024	1,395	4.81

*** Covid Period**

ANNEXURE-II**ANNEXURE REFERRED IN REPLY TO PART (b) OF UNSTARRED QUESTION NO. 4570 ANSWERED IN THE LOK SABHA ON 27.03.2025**

The details of Energy Requirement indicating growth rate and Compounded Annual Growth Rate (CAGR):

FY	Energy Requirement	Growth %	CAGR
	(MU)	%	%
2018-19	12,74,595		5.0
2019-20	12,91,010	1.29	
2020-21*	12,75,534	-1.20	
2021-22	13,79,812	8.18	
2022-23	15,13,497	9.69	
2023-24	16,26,132	7.44	

*Covid Period

ANNEXURE-III**ANNEXURE REFERRED IN REPLY TO PARTS (d) & (e) OF UNSTARRED QUESTION NO. 4570 ANSWERED IN THE LOK SABHA ON 27.03.2025**

The details of Electricity consumed in Million Units (MUs) by the industries and household in the country from FY 2017-2018 to 2022-23 :

Year	Domestic	Growth %	Industrial	Growth %
<u>2017-18</u>	2,73,545.02		4,68,613.30	
<u>2018-19</u>	2,88,243.11	5.37	5,19,196.29	10.79
2019-20	3,08,745.00	7.11	5,32,820.00	2.62
2020-21	3,30,808.94	7.15	5,08,776.19	-4.51*
2021-22	3,39,780.47	2.71	5,56,480.96	9.38
2022-23	3,53,156.08	3.94	5,93,895.17	6.72

*** Covid Period**
