GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.2851
ANSWERED ON 12.12.2024

ADDITIONAL DEMAND OF POWER

2851. SHRI V K SREEKANDAN:

Will the Minister of POWER
be pleased to state:

(a)     whether it is a fact that the peak power demand in the country would grow at a higher rate of 15GW per annum during the next six years compared with 11GW per annum during the last one decade;

(b)     if so, the details thereof;

(c)     whether it is true that about 85 GW of additional power demand would be added during the solar hours and more than 90 GW would be added to the peak demand by 2030 during the non-solar hours; and

(d)     if so, the details thereof?

A N S W E R

THE MINISTER OF STATE IN THE MINISTRY OF POWER

(SHRI SHRIPAD NAIK)

(a) to (d) :  The details of all India peak electricity demand during the last ten years from 2014-15 to 2023-24, showing an average annual growth of 11 GW, are as given Annexure-I.

Further, as per projections of Central Electricity Authority (CEA), the peak power demand from 2024-25 to 2029-30 is projected to increase at an average annual growth of 18 GW during Solar hours and 16 GW during Non-Solar hours. The details are given at Annexure-II.

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ANNEXURE REFERRED IN REPLY TO PARTS (a) TO (d) OF UNSTARRED QUESTION NO. 2851 ANSWERED IN THE LOK SABHA ON 12.12.2024
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Details of all India peak electricity demand during the last ten years from 2014-15 to 2023-24:

| FY | Peak Demand (GW) |
|---|---|
| 2014-15 | 148 |
| 2015-16 | 153 |
| 2016-17 | 160 |
| 2017-18 | 164 |
| 2018-19 | 177 |
| 2019-20 | 184 |
| 2020-21 | 190 |
| 2021-22 | 203 |
| 2022-23 | 216 |
| 2023-24 | 243 |
| Average annual growth = 11 GW | |

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**ANNEXURE REFERRED IN REPLY TO PARTS (a) TO (d) OF UNSTARRED QUESTION NO. 2851 ANSWERED IN THE LOK SABHA ON 12.12.2024**
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**Details of Peak demand projection from 2024-25 to 2029-30:**

| FY | Peak Demand (GW) Solar hours | Peak Demand (GW) Non-Solar hours |
|---|---|---|
| 2024-25 | 253* | 235* |
| 2026-27 | 289 | 265 |
| 2029-30 | 345 | 317 |
| Average annual growth | 18 GW | 16 GW |

*During 2024-25 (till October 2024), maximum peak demand is 250 GW during Solar hours and 236 GW during Non-Solar hours.

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