

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.298
ANSWERED ON 08.12.2022**

NEW COAL-FIRED POWER PLANTS

298. DR. PON GAUTHAM SIGAMANI:

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

- (a) whether it is a fact that country may need upto 28 Gigawatts of new coal-fired power plants by 2032 to meet power demand that is expected to more than double from the current capacity and if so, the details thereof;**
- (b) whether it is also true that the said estimate is in addition to 25 Gigawatts of power plants under construction and if so, the details thereof;**
- (c) whether it is also true that country's annual electricity demand could grow by an average of 7.2 per cent over the five years to March, 2027 and if so, the details thereof;**
- (d) whether it is also true that the share of coal in the country's total power generation, however, is likely to fall below 60 per cent by 2027 and if so, the details thereof; and**
- (e) whether it is also a fact that the Government is targeting to add 500 Gigawatts in non-fossil-based installed capacity by 2030 and if so, the details thereof?**

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a) & (b) : According to Draft National Electricity Plan published in 2022 by Central Electricity Authority, the projected new coal capacity addition requirement during the period 2022-32 is 35,014 MW which includes under construction coal based capacity totaling to 25,580 MW.

(c) : The 20th Electric Power Survey (EPS) report, published in November 2022, covers electricity demand projection for the year 2021-22 to 2031-32 as well as perspective electricity demand projection for the year 2036-37 and 2041-42 for the country.

The estimated energy requirement and peak demand of the country from the year 2021-22 to 2026-27 is given in Table 1 and Table 2 respectively.

The CAGR (Compound Annual Growth Rate) from 2021-22 to 2026-27 for electrical energy requirement is 6.67% and for peak electricity demand is 6.42%.

.....2.

Table 1: Electrical Energy Requirement (Ex Bus)

Year	Electrical energy requirement (in MU)
2021-22	1381646
2022-23	1512918
2023-24	1600214
2024-25	1694634
2025-26	1796627
2026-27	1907835

Table 2: Peak Electricity Demand (Ex Bus)

Year	Peak Electricity Demand (in MW)
2021-22	203115
2022-23	216966
2023-24	230144
2024-25	244565
2025-26	260118
2026-27	277201

(d) : According to Draft National Electricity Plan 2022, the share of Coal based generation in the total generation is likely to reduce to 58.9 % during the year 2026-27 from 72.3% during the year 2021-22.

(e) : Government has set Nationally Determined Contribution (NDC) target to achieve about 50 percent cumulative electric power installed capacity from non-fossil fuel-based energy resources by 2030.
