

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.1555
ANSWERED ON 13.02.2025**

STATUS OF POWER GENERATION

†1555. SHRI VIRENDRA SINGH:

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

- (a) the total megawatt of power being generated in the country at present;**
- (b) the quantum of power being generated from both coal based power plants and nuclear power plants;**
- (c) the respective quantum of electricity being generated in megawatts through hydro, wind and solar power; and**
- (d) the current status of power generated this year as compared to the previous year?**

A N S W E R

THE MINISTER OF STATE IN THE MINISTRY OF POWER

(SHRI SHRIPAD NAIK)

(a) to (c) : The present installed generation capacity of the country is 4,62,065 MW. The details of the source-wise installed generation capacity and the corresponding generation for the current financial year 2024-25 (from April, 2024 to December, 2024) are given at Annexure - I.

(d) : A comparison of source-wise power generated during 2022-23 and 2023-24; and power generated during 2023-24 (April - December 2023) and 2024-25 (April - December, 2024), are given at Annexure-II.

ANNEXURE-I**ANNEXURE REFERRED IN REPLY TO PARTS (a) TO (c) OF UNSTARRED QUESTION NO. 1555 ANSWERED IN THE LOK SABHA ON 13.02.2025**

Source-wise installed generation capacity in the country and the corresponding generation for the current financial year 2024-25 (from April, 2024 to December, 2024):

Fuel		All India Installed Capacity (MW) as on 31.12.2024	2024-25(Upto Dec,2024)	
			Generation (in Million Units)	% of Total Generation
THERMAL	COAL	2,12,413	9,65,118.52	69.94
	DIESEL	589	329.55	0.02
	LIGNITE	6,620	24,764.33	1.79
	NATURAL GAS	24,818	26,536.29	1.92
THERMAL Total:		2,44,440	10,16,748.69	73.68
NUCLEAR		46,968	43,030.01	3.12
LARGE HYDRO		8,180	1,25,421.50	9.09
Bhutan Import		0*	5,240.20	0.38
Conventional Total:		2,99,589	1190440.40	86.27
Renewable Sources	Wind	48,163	67,983.39	4.93
	Solar	97,865	1,02,139.54	7.40
	Small Hydro	5,101	9,766.44	0.71
	Other Renewable Sources	11,348	9,600.17	0.70
Renewable Total (excluding Large Hydro) :		1,62,477	1,89,489.54	13.73
Grand Total :		4,62,065	13,79,929.94	100.00

*** Generating stations located in Bhutan**

ANNEXURE REFERRED IN REPLY TO PART (d) OF UNSTARRED QUESTION NO. 1555 ANSWERED IN THE LOK SABHA ON 13.02.2025

(A) Comparison of Source/Fuel wise Power Generated for the year 2022-23 and 2023-24:

Fuel		2022-23		2023-24	
		Generation (in Million Units)	% of Total Generation	Generation (in Million Units)	% of Total Generation
THERMAL	COAL	11,45,907.58	70.54	12,60,902.62	72.50
	DIESEL/HSD	229.71	0.01	400.58	0.02
	LIGNITE	36,188.34	2.23	33,949.79	1.95
	NAPTHA	0.83	0.00	0.03	0.00
	NATURAL GAS	23,884.21	1.47	31,295.91	1.80
THERMAL Total		12,06,210.67	74.25	13,26,548.93	76.28
NUCLEAR		45,861.09	2.82	47,937.41	2.76
HYDRO		1,62,098.77	9.98	134053.92	7.71
Bhutan Import		6,742.4	0.42	4,716.1	0.27
Conventional Total:		14,20,912.93	87.47	15,13,256.36	87.01
Renewable Total (excluding large Hydro)		2,03,552.68	12.53	2,25,834.82	12.99
Grand Total :		16,24,465.61	100.00	17,39,091.18	100.00

(B) Comparison of Source/Fuel wise Power Generated for the period 2023-24 (Upto Dec 2023) to the period 2024-25 (Upto Dec, 2024):

Fuel		2023-24 (Upto Dec, 2023)		2024-25(Upto Dec,2024)	
		Generation (in Million Units)	% of Total Generation	Generation (in Million Units)	% of Total Generation
THERMAL	COAL	9,32,258.66	71.22	9,65,118.52	69.94
	DIESEL/HSD	300.5	0.02	329.55	0.02
	LIGNITE	24,324.57	1.86	24,764.33	1.79
	NAPTHA	0	0.00	0.00	0.00
	NATURAL GAS	23,903.53	1.83	26,536.29	1.92
THERMAL Total		980,787.26	74.93	10,16,748.69	73.68
NUCLEAR		36,263.36	2.77	43,030.01	3.12
HYDRO		1,14,757.77	8.77	1,25,421.50	9.09
Bhutan Import		4672.1	0.36	5,240.20	0.38
Conventional Total:		11,36,480.49	86.82	11,90,440.40	86.27
Renewable Total (excluding large Hydro)		1,72,488.39	13.18	1,89,489.54	13.73
Grand Total :		13,08,968.88	100.00	13,79,929.94	100.00
