

GOVERNMENT OF INDIA
MINISTRY OF POWER
RAJYA SABHA
UNSTARRED QUESTION NO.938
TO BE ANSWERED ON 27.07.2021

THERMAL POWER GENERATION IN THE COUNTRY

938 DR. L. HANUMANTHAIAH:

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

- (a) the details of thermal power generation in the country during the last five years, year-wise;
- (b) whether the dependence on thermal power has reduced over the years keeping in view India's commitment to sustainable development goals;
- (c) if so, the details thereof and, if not, the reasons therefor; and
- (d) the steps being taken by Government to achieve sustainable development in power generation?

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a) : The details of thermal power generation in the country during the last five years, year-wise are given as under.

Year	Generation (Million Unit)
2016-17	994230.17
2017-18	1037059.10
2018-19	1072223.88
2019-20	1042747.90
2020-21	1032513.54

(b) & (c) : As per the information available in Central Electricity Authority (CEA), the percentage of thermal generation in the country has reduced over the years, details of the same, during the last five years i.e from the period 2016-17 to 2020-21 are given as under.

CATEGORY	GENERATION (Million Units)				
	2016-17	2017-18	2018-19	2019-20	2020-21
THERMAL	994230.17	1037059.10	1072223.88	1042747.90	1032513.54
NUCLEAR	37915.87	38346.12	37812.59	46472.45	43029.08
HYDRO	122377.56	126122.70	134893.61	155769.12	150299.52
Total (Conventional)	1154523.60	1201527.92	1244930.08	1244989.47	1225842.14
RENEWABLE	81548.21	101839.48	126759.09	138337.02	147247.51
Total (Conventional+ Renewable)	1236071.81	1303367.40	1371689.17	1383326.49	1373089.65
% of THERMAL	80.43	79.57	78.17	75.38	75.20

.....2.

(d) : Government of India had set a target of 1,75,000 MW installed capacity from renewable sources by the year 2022 which includes 1,00,000 MW from Solar, 60,000 MW from Wind, 10,000 MW from Biomass and 5000 MW from Small Hydro. As on 30.06.2021, the total capacity of Renewable Energy installed: under installation and under tied was 96.95 GW. This does not include large Hydro, which is also renewable. As on 30.06.2021, the total power generation capacity installed from non-fossil fuel sources was 150.06 GW; which is 39% of the total installed capacity. Therefore, India is well in its way to achieving, and surpassing its nationally determined contribution (NDC) target which was 40% capacity by non fossil-fuel sources by 2030.

Further, to promote the renewable energy sources, the following steps have been taken:

- (i) Waiver of inter-State transmission charges on transmission of the electricity generated from the solar and wind sources, for projects to be commissioned upto 30th June 2025.
- (ii) Green energy corridors have been developed to evacuate power from the Renewable Energy Sources.
- (iii) Renewable Purchase Obligation Trajectory has been notified with the objective of creating renewable power capacity of 175 GW by year 2022.
