

Measures to meet increased load on grid

301. DR. ASHOK BAJPAI: Will the Minister of POWER be pleased to state:

- (a) whether recent drive to connect each house with electric connection has increased the load to the grid;
- (b) if so, the anticipated peak hour load of Uttar Pradesh, district-wise;
- (c) if so, whether Government has increased power generation to meet out new loads;
- (d) if so, the details thereof; and
- (e) if not, the reasons therefor?

THE MINISTER OF STATE OF THE MINISTRY OF POWER (SHRI RAJ KUMAR SINGH): (a) Yes, Sir. During the current year, 2019-20 (Upto October, 2019), the peak electricity demand in the country increased to around 184 Giga Watt (GW) from 177 GW during the same period last year.

(b) The Peak Demand in the State of Uttar Pradesh during the current year *i.e.* 2019-20 (upto October, 2019) has been 22,599 MW as compared to 20,498 MW during the same period last year 2018-19 (upto October, 2018). The increase in Peak Demand has been due to the load growth which also includes the impact of recent drive to connect each house with electric connection.

District-wise Peak Demand of the States including Uttar Pradesh, is not being monitored by Central Electricity Authority, as the same falls in the purview of the concerned State Government.

(c) and (d) The installed Generation Capacity as on 31.10.2019 is around 364 GW which is sufficient to meet the increase in demand of the Country. Further during the current year 2019-20 (Upto October, 2019) the total power generation has increased to 8,43,325 Million Units (MU) from 8,30,464 MU to meet the increased demand in the electricity grid.

(e) The question does not arise in view of the reply given above for parts (c) and (d).

Gas based high capacity power plants in India

302. SHRI C.M. RAMESH: Will the Minister of POWER be pleased to state:

- (a) how many gas based high capacity power plants are there in different States of the country, the details thereof;

(b) how many of them are functional, how many are facing shortage of gas, the details thereof; and

(c) what action has been taken by Government to make available domestic gas so that all plants function in optimum capacity, the details thereof?

THE MINISTER OF STATE OF THE MINISTRY OF POWER (SHRI RAJ KUMAR SINGH): (a) State-wise list of 63 gas based power stations in the country with installed capacity of 23883 MW is given in the Statement (*See* below).

(b) As per information available in Central Electricity Authority (CEA), 43 numbers (about 18279 MW) of gas based power plants in the country have generated power during the year 2019-20 (April-September, 2019).

At present country is deficit in availability of domestic gas for power sector. During the year 2019-20 (April-September, 2019), average domestic gas supplied to power plants is around 19.77 MMSCMD (Million Metric Standard Cubic Meter per Day) against the allocation of around 86.65 MMSCMD. Some liquefied Natural Gas is being imported by gas based power plants due to shortage of domestic gas and as per the requirement of the State.

(c) Domestic gas is being allocated to all sectors including power sector as per Gas Utilization Policy of the Government and availability of gas. Domestic gas supply to Power Sector is higher than other sectors including fertilizer sector and balance requirement of natural gas of different sectors is met by imported Regasified Liquefied Natural Gas (RLNG) which is under Open General License. Power Plants may also source RLNG as per their requirement accordingly.

Statement

List of gas based power stations in the country

Sl. No	Name of State/UT	No. of plants	Installed Capacity (MW)
1	2	3	4
1.	Rajasthan	3	1023.13
2.	Delhi	4	2208.40
3.	Uttarakhand	2	450.00
4.	Uttar Pradesh	2	1493.14

1	2	3	4
5.	Haryana	1	431.59
6.	Gujarat	13	7336.41
7.	Maharashtra	4	3207.00
8.	Andhra Pradesh	17	5028.40
9.	Tamil Nadu	6	896.30
10.	Puducherry	1	32.50
11.	Assam	5	643.71
12.	Tripura	5	1132.10
GRAND TOTAL		63	23882.68

Electricity production by thermal power stations in the country

303. DR. AMEE YAJNIK: Will the Minister of POWER be pleased to state:

(a) the details of total electricity production by thermal power stations in the country;

(b) how many new thermal power stations have been established in the country during the last three years; and

(c) whether Government proposes to construct new thermal power plants in the future, if so, the details thereof?

THE MINISTER OF STATE OF THE MINISTRY OF POWER (SHRI RAJ KUMAR SINGH): (a) Details of power generation from thermal power stations of 25 MW and above in the country during the last three years is given as under:

Fuel	Monitored Capacity as on 30.10.2019 MW	Generation (Million Units)		
		2017-18	2018-19	2019-20 (up to-Oct. 19)*
1	2	3	4	5
Coal	197682.50	951754.51	987681.83	565356.03
Lignite	6260.00	34836.14	34583.50	18391.35