GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
UNSTARRED QUESTION NO.137
TO BE ANSWERED ON 02.02.2021

POWER GENERATION

137. # DR. KIRODI LAL MEENA:

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

(a) the maximum capacity of power generated from various energy sources in the country as on 30th June, 2020 and 31st December 2020 respectively;

(b) the difference between demand and supply of power and measures taken to bridge the above supply gap, State-wise details thereof; and

(c) the measures to be taken by the year 2025 in the country keeping in mind the sources of power generation and potential demand and supply thereof?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR POWER, NEW & RENEWABLE ENERGY AND THE MINISTER OF STATE FOR SKILL DEVELOPMENT & ENTREPRENEURSHIP

(SHRI R.K. SINGH)

(a) : The details of Source-wise Power Generation & the Monitored Capacity from all sources in the country during the year 2020-21 as on 31.06.2020 and 31.12.2020 are given at **Annexure–I**.

(b) : The State-wise detail of power supply position in the country during the period April,2020 - June,2020 and the period April,2020 - December,2020, are given at **Annexures – II and III** respectively. There is sufficient generation capacity-more than adequate to meet the prevailing demand, and any shortfall in any area is due to local State specific issues-constraints in the Distribution System or the inability of the DISCOM to buy power as per requirement of the area it serves.

(c) : The following measures have been taken to increase power generation in the country:

(i) Conventional power generation capacity to be commissioned by 2024-25 is at various stages of construction in the country which includes Thermal 36,765 MW , Hydro 10,164.50 MW and Nuclear 4,800 MW.

(ii) Government of India has set a target of 1,75,000 MW installed capacity from renewable sources by the end of 2021-22 which includes 1,00,000 MW from Solar, 60,000 MW from Wind, 10,000 MW from Biomass and 5,000 MW from small Hydro.

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ANNEXURE-I

ANNEXURE REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 137 TO BE ANSWERED IN THE RAJYA SABHA ON 02.02.2021.

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Source-wise Generations & Monitored capacity on 31st June 2020 and 31st December 2020

CATEGORY	FUEL	As on 30th June 2020		As on 31th December 2020	
		Generation Capacity (in MW)	Generation (in MU)	Generation Capacity (in MW)	Generation (in MU)
THERMAL	COAL	198782.50	198928.93	199852.5	673651.73
	LIGNITE	6610.00	8718.61	6260	22356.34
	DIESEL	509.71	32.76	509.709	100.23
	HIGH SPEED DIESEL	255.00	0.00	255	0
	NAPTHA	701.58	0.00	701.58	0.66
	NATURAL GAS	23980.43	15166.34	23945.43	40808.40
THERMAL TOTAL		**230839.22**	**222846.64**	**231524.22**	**736917.36**
NUCLEAR	**NUCLEAR**	**6780.00**	**11422.35**	**6780.00**	**33948.53**
HYDRO	**HYDRO**	**45699.22**	**41163.37**	**45798.22**	**126644.93**
BHUTAN IMP.	HYDRO	0	2256.50	0	8406.8
Total CONVENTIONAL(TH.,Nu&HY)		**283318.44**	**277688.86**	**284102.44**	**905917.62**
RENEWABLE		**87669.19**	**38322.36**	**91153.81**	**111917.72**
GRAND TOTAL(Conventional+Renewable)		**370987.63**	**316011.22**	**375256.25**	**1017835.34**

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ANNEXURE-II

ANNEXURE REFERRED TO IN REPLY TO PART (b) OF UNSTARRED QUESTION NO. 137 TO BE ANSWERED IN THE RAJYA SABHA ON 02.02.2021.

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State-wise detail of actual power supply position in the country during the period April, 2020 - June, 2020

Power Supply Position for 2020-21				
State / System / Region	Energy			
	April, 2020 - June,2020			
	Energy Requirement	Energy Supplied	Energy not Supplied	
	(MU)	(MU)	(MU)	(%)
Chandigarh	352	352	0	0.0
Delhi	7,303	7,302	1	0.0
Haryana	11,570	11,570	0	0.0
Himachal Pradesh	1,929	1,925	5	0.3
UT of J&K and Ladakh	4,753	3,844	908	19.1
Punjab	12,995	12,995	0	0.0
Rajasthan	18,762	18,742	20	0.1
Uttar Pradesh	30,411	30,123	288	0.9
Uttarakhand	2,901	2,901	0	0.0
Northern Region	**90,977**	**89,754**	**1,222**	**1.3**
Chhattisgarh	6,770	6,770	0	0.0
Gujarat	25,270	25,270	0	0.0
Madhya Pradesh	16,869	16,869	0	0.0
Maharashtra	35,250	35,250	0	0.0
Daman & Diu	353	353	0	0.0
Dadar Nagar Haveli	680	680	0	0.0
Goa	968	968	0	0.0
Western Region	**86,160**	**86,160**	**0**	**0.0**
Andhra Pradesh	15,469	15,469	0	0.0
Telangana	14,146	14,146	0	0.0
Karnataka	17,658	17,658	0	0.0
Kerala	6,157	6,155	2	0.0
Tamil Nadu	24,892	24,892	0	0.0
Puducherry	615	615	0	0.0
Lakshadweep #	15	15	0	0
Southern Region	**78,937**	**78,935**	**2**	**0.0**
Bihar	8,069	8,054	15	0.2
DVC	4,034	4,034	0	0.0
Jharkhand	2,227	2,176	50	2.3
Odisha	6,935	6,935	0	0.0
West Bengal	12,036	11,960	76	0.6
Sikkim	124	124	0	0.0
Andaman- Nicobar #	87	81	6	7
Eastern Region	**33,426**	**33,285**	**141**	**0.4**
Arunachal Pradesh	135	133	2	1.3
Assam	2,268	2,138	131	5.8
Manipur	208	206	2	0.9
Meghalaya	419	412	7	1.7
Mizoram	154	153	2	1.1
Nagaland	192	190	1	0.7
Tripura*	361	359	2	0.6
North-Eastern Region	**3,738**	**3,592**	**147**	**3.9**
All India	**293,238**	**291,725**	**1,513**	**0.5**

Lakshadweep and Andaman & Nicobar Islands are stand- alone systems, power supply position of these, does not form part of regional requirement and supply.

* Excludes the supply to Bangladesh.

Note: Power Supply Position Report has been compiled based on the data furnished by State Utilities/ Electricity Departments.

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ANNEXURE REFERRED TO IN REPLY TO PART (b) OF UNSTARRED QUESTION NO. 137 TO BE ANSWERED IN THE RAJYA SABHA ON 02.02.2021.

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State-wise detail of actual power supply position in the country during the period April, 2020 - December, 2020

Power Supply Position for 2020-21 (Provisional)				
State / System / Region	Energy			
	April, 2020 - December, 2020			
	Energy Requirement	Energy Supplied	Energy not Supplied	
	(MU)	(MU)	(MU)	(%)
Chandigarh	1,195	1,195	0	0.0
Delhi	23,387	23,384	3	0.0
Haryana	41,499	41,473	26	0.1
Himachal Pradesh	7,303	7,263	40	0.5
UT of J&K and Ladakh	14,112	12,515	1,597	11.3
Punjab	46,901	46,853	49	0.1
Rajasthan	62,849	62,804	45	0.1
Uttar Pradesh	97,011	96,254	757	0.8
Uttarakhand	10,285	10,285	1	0.0
Northern Region	**304,543**	**302,025**	**2,517**	**0.8**
Chhattisgarh	22,186	22,186	0	0.0
Gujarat	81,152	81,152	0	0.0
Madhya Pradesh	60,062	60,062	0	0.0
Maharashtra	108,148	108,132	16	0.0
Daman & Diu	1,562	1,562	0	0.0
Dadar Nagar Haveli	3,749	3,749	0	0.0
Goa	2,910	2,910	0	0.0
Western Region	**279,770**	**279,754**	**16**	**0.0**
Andhra Pradesh	44,914	44,912	3	0.0
Telangana	45,028	45,025	3	0.0
Karnataka	48,177	48,174	3	0.0
Kerala	18,301	18,296	4	0.0
Tamil Nadu	74,934	74,930	4	0.0
Puducherry	1,962	1,962	0	0.0
Lakshadweep #	41	41	0	0
Southern Region	**233,316**	**233,300**	**16**	**0.0**
Bihar	26,043	25,939	104	0.4
DVC	15,447	15,447	0	0.0
Jharkhand	7,256	7,158	99	1.4
Odisha	22,138	22,138	0	0.0
West Bengal	38,873	38,781	92	0.2
Sikkim	387	387	0	0.0
Andaman- Nicobar #	260	242	17	7
Eastern Region	**110,145**	**109,850**	**295**	**0.3**
Arunachal Pradesh	509	506	4	0.7
Assam	7,920	7,613	307	3.9
Manipur	699	695	4	0.6
Meghalaya	1,458	1,450	8	0.5
Mizoram	535	531	3	0.7
Nagaland	638	635	3	0.5
Tripura*	1,162	1,159	3	0.2
North-Eastern Region	**12,921**	**12,589**	**332**	**2.6**
All India	**940,694**	**937,518**	**3,176**	**0.3**

Lakshadweep and Andaman & Nicobar Islands are stand- alone systems, power supply position of these, does not form part of regional requirement and supply.

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