GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.3179
ANSWERED ON 04.08.2022

POWER CRISIS

†3179. KUNWAR DANISH ALI:
SHRI RAJIV RANJAN SINGH ALIAS LALAN SINGH:

Will the Minister of POWER
be pleased to state:

(a) whether there is power crisis in the country;

(b) if so, the details thereof and the reasons therefor;

(c) whether the Government has identified the States facing severe power crisis and if so, the details thereof, State-wise;

(d) the assessment related to actual power generation from different sources along with the requirement of electricity, State-wise;

(e) whether currently all the power plants have coal storage as per stipulated norms or not and if so, the details thereof; and

(f) the steps being taken by the Union Government to increase power generation to meet the demand of the said States?

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a) to (d) : At present, there is adequate installed capacity in the country to meet the demand. As on 30.06.2022, the installed generation capacity of the country was 403.76 Giga Watt (GW) as against the Peak Power Demand of the country of around 215.89 Giga Watt (GW) which had occurred in the month of April, 2022. The details of actual All India Power Supply Position during the current year i.e. 2022-23 (April, 2022 to June, 2022), are given at Annexure-I. There was a gap of 1% between the energy requirement and energy supplied during this period and this gap between Energy Requirement and Energy Supplied was generally on account of factors, other than adequacy of power availability in the country e.g. constraints in distribution network, financial constraints, commercial reasons, outages of generating units etc.

The details of State/UT wise power supply position in the country during the current year i.e. 2022-23 (April, 2022 to June, 2022), are given at Annexure-II. Further, the details of source-wise power generation (Program & Actual) from all sources fossil and non fossil during the current year 2022-23 (upto June, 2022), are given at Annexure-III.

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(e) : As on 30.07.2022, the coal stock available with the thermal power plants monitored on daily basis by CEA was about 29.6 MT, which was about 52% of the normative coal stock required to be maintained by the Thermal Power Plants (TPPs).

(f) : In order to meet the consistent increase in demand of electricity in the country, Thermal Power Projects (39 units) of an aggregate capacity 27,550 MW are under construction in the country. Further, 36 Hydro Electric Projects (above 25 MW capacity) totalling to 14,103.5 MW are also under construction in the country. Apart from this, Nuclear Power Plants of 8,700 MW capacity are under construction and 7,000 MW of Nuclear Power Plants have been accorded Administrative Approval and Financial Sanction.

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ANNEXURE-I

ANNEXURE REFERRED TO IN REPLY TO PARTS (a) TO (d) OF UNSTARRED QUESTION NO. 3179 ANSWERED IN THE LOK SABHA ON 04.08.2022

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The details of actual All India Power Supply Position during the current year i.e. 2022-23 (April, 2022 to June, 2022)

Year	ENERGY [in Million Units (MU)]			
	Energy Requirement	Energy Supplied	Energy not Supplied	
	(MU)	(MU)	(MU)	(%)
2022-23 (upto June, 2022) (*)	404,761	400,654	4,107	1.0

(*) Provisional

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ANNEXURE-II

ANNEXURE REFERRED TO IN REPLY TO PARTS (a) TO (d) OF UNSTARRED QUESTION NO. 3179 ANSWERED IN THE LOK SABHA ON 04.08.2022

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The details of State/UT wise power supply position in the country during the current year i.e. 2022-23 (April, 2022 to June, 2022)

Power Supply Position (Energy) during the period April, 2022 - June, 2022 (Provisional)				
State / System / Region	April, 2022 - June, 2022 (*)			
	Energy Requirement	Energy Supplied	Energy not Supplied	
	(MU)	(MU)	(MU)	(%)
Chandigarh	527	527	0	0.0
Delhi	10,895	10,892	3	0.0
Haryana	16,967	16,598	369	2.2
Himachal Pradesh	3,112	3,048	63	2.0
UT of J&K and Ladakh	4,665	4,441	224	4.8
Punjab	18,730	18,564	166	0.9
Rajasthan	26,152	25,430	722	2.8
Uttar Pradesh	42,423	41,666	757	1.8
Uttarakhand	4,355	4,254	102	2.3
Northern Region	128,112	125,706	2,405	1.9
Chhattisgarh	9,697	9,643	54	0.6
Gujarat	38,693	38,689	4	0.0
Madhya Pradesh	23,469	23,167	302	1.3
Maharashtra	51,522	51,412	109	0.2
Dadra & Nagar Haveli and Daman & Diu	2,514	2,514	0	0.0
Goa	1,279	1,278	0	0.0
Western Region	128,545	128,075	470	0.4
Andhra Pradesh	12,770	18,530	403	2.1
Telangana	18,307	18,284	22	0.1
Karnataka	19,006	18,983	23	0.1
Kerala	7,090	7,075	15	0.2
Tamil Nadu	30,967	30,894	73	0.2
Puducherry	846	845	1	0.1
Lakshadweep	17	17	0	0.0
Southern Region	95,160	94,624	536	0.6
Bihar	10,826	10,568	258	2.4
DVC	6,561	6,554	7	0.1
Jharkhand	3,217	2,901	316	9.8
Odisha	11,140	11,095	45	0.4
West Bengal	16,569	16,524	45	0.3
Sikkim	140	140	0	0.0
Andaman- Nicobar	89	89	0	0.0
Eastern Region	48,467	47,797	670	1.4
Arunachal Pradesh	224	219	5	2.1
Assam	2,725	2,725	0	0.0
Manipur	226	225	1	0.3
Meghalaya	496	488	8	1.6
Mizoram	162	162	0	0.0
Nagaland	224	213	11	4.8
Tripura	418	418	0	0.0
North-Eastern Region	4,477	4,452	25	0.6
All India	404,761	400,654	4,107	1.0

(*) Provisional

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ANNEXURE-III

ANNEXURE REFERRED TO IN REPLY TO PARTS (a) TO (d) OF UNSTARRED QUESTION NO. 3179 ANSWERED IN THE LOK SABHA ON 04.08.2022

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The details of source-wise power generated (Program & Actual) from Fossil Fuel during the current year 2022-23 (upto June, 2022)

Region	State	Source	Fuel	Monitored Capacity (in MW) as on 30.06.2022	2022-23 (upto June-2022)	
					Program (in MU)	Generation (in MU)
Northern Region	DELHI		NATURAL GAS	2208.40	1637.00	1415.86
	HARYANA	THERMAL	COAL	5330.00	6335.00	8807.94
	HARYANA		NATURAL GAS	431.59	80.00	2.55
	JAMMU AND KASHMIR	THERMAL	HIGH SPEED DIESEL	175.00	0.00	0.00
	PUNJAB	THERMAL	COAL	5680.00	7531.00	8358.67
	RAJASTHAN	THERMAL	COAL	8900.00	13808.00	12384.86
	RAJASTHAN		LIGNITE	1580.00	2142.00	2059.90
	RAJASTHAN		NATURAL GAS	1022.83	314.00	341.68
	UTTAR PRADESH	THERMAL	COAL	24389.00	36552.00	41080.57
			LIGNITE	0.00	447.00	0.00
			NATURAL GAS	1493.14	438.00	574.34
	UTTARAKHAND	THERMAL	NATURAL GAS	450.00	263.00	0.00
Western Region	CHHATTISGARH	THERMAL	COAL	23688.00	37723.00	35257.83
	GOA	THERMAL	NAPTHA	48.00	0.00	0.00
	GUJARAT	THERMAL	COAL	14692.00	16928.00	15913.37
			LIGNITE	1400.00	1277.00	1548.40
			NATURAL GAS	7551.41	2716.00	844.34
	MADHYA PRADESH	THERMAL	COAL	21950.00	36570.00	37979.05
	MAHARASHTRA	THERMAL	COAL	23856.00	32738.00	34428.49
			NATURAL GAS	3207.08	1710.00	985.37
Southern Region	ANDHRA PRADESH	THERMAL	COAL	11590.00	17658.00	15843.56
			DIESEL	36.80	0.00	0.00
			NATURAL GAS	4898.54	616.00	338.27
	KARNATAKA	THERMAL	COAL	9480.00	10657.00	10931.86
			DIESEL	25.20	0.00	0.00
			NATURAL GAS	0.00	124.00	0.00
	KERALA	THERMAL	DIESEL	159.96	0.00	0.12
			NAPTHA	533.58	0.00	0.00
	PUDUCHERRY	THERMAL	NATURAL GAS	32.50	58.00	56.43
	TAMIL NADU	THERMAL	COAL	10045.00	14346.00	11560.52
			DIESEL	211.70	0.00	0.00
			LIGNITE	3640.00	4836.00	6524.19
			NAPTHA	120.00	0.00	0.83
			NATURAL GAS	897.18	508.00	511.02
	TELANGANA	THERMAL	COAL	7842.50	14274.00	13573.89
Eastern Region	ANDAMAN NICOBAR	THERMAL	DIESEL	40.05	37.00	30.59
	BIHAR	THERMAL	COAL	8400.00	13031.00	14383.62
	JHARKHAND	THERMAL	COAL	4250.00	7359.00	7876.63
	ODISHA	THERMAL	COAL	9540.00	16442.00	15820.61
	WEST BENGAL	THERMAL	COAL	13697.00	21848.00	22331.80
			HIGH SPEED DIESEL	80.00	0.00	0.00
North-Eastern Region	ASSAM	THERMAL	COAL	750.00	889.00	1419.76
			NATURAL GAS	620.36	698.00	873.34
	MANIPUR	THERMAL	DIESEL	36.00	0.00	0.00
	TRIPURA	THERMAL	NATURAL GAS	1099.60	1468.00	1556.91
Grand Total:				236078.42	324058.00	325617.17

The details of source-wise power generated (Program & Actual) from Non-Fossil Fuel during the current year 2022-23 (upto June, 2022)

Region	State	Source	Fuel	Monitored Capacity (in MW) as on 30.06.2022	2022-23 (upto June-2022)	
					Program (in MU)	Generation (in MU)
Northern Region	HIMACHAL PRADESH	HYDRO	HYDRO	10263.02	11155.00	10325.19
	JAMMU AND KASHMIR	HYDRO	HYDRO	3360.00	5919.00	5942.96
	LADAKH	HYDRO	HYDRO	89.00	114.00	108.64
	PUNJAB	HYDRO	HYDRO	1096.30	1017.00	956.32
	RAJASTHAN	NUCLEAR	NUCLEAR	1180.00	1708.00	1930.41
		HYDRO	HYDRO	411.00	4.00	65.19
	UTTAR PRADESH	NUCLEAR	NUCLEAR	440.00	615.00	503.79
		HYDRO	HYDRO	501.60	376.00	194.47
	UTTARAKHAND	HYDRO	HYDRO	3975.35	3404.00	3833.33
Western Region	CHHATTISGARH	HYDRO	HYDRO	120.00	40.00	59.17
	GUJARAT	NUCLEAR	NUCLEAR	440.00	1578.00	939.92
		HYDRO	HYDRO	1990.00	762.00	530.95
	MADHYA PRADESH	HYDRO	HYDRO	2235.00	853.00	764.35
	MAHARASHTRA	NUCLEAR	NUCLEAR	1400.00	2199.00	2371.16
		HYDRO	HYDRO	3047.00	1798.00	1912.08
Southern Region	ANDHRA PRADESH	HYDRO	HYDRO	1610.00	451.00	358.44
	KARNATAKA	NUCLEAR	NUCLEAR	880.00	1443.00	1934.04
		HYDRO	HYDRO	3689.20	3059.00	3074.98
	KERALA	HYDRO	HYDRO	1856.50	2053.00	1879.00
	TAMIL NADU	NUCLEAR	NUCLEAR	2440.00	2987.00	3233.97
		HYDRO	HYDRO	2178.20	595.00	877.13
	TELANGANA	HYDRO	HYDRO	2405.60	229.00	193.10
Eastern Region	JHARKHAND	HYDRO	HYDRO	210.00	20.00	23.77
	ODISHA	HYDRO	HYDRO	2154.55	1117.00	1037.54
	SIKKIM	HYDRO	HYDRO	2282.00	2892.00	3462.28
	WEST BENGAL	HYDRO	HYDRO	1341.20	701.00	872.96
North-Eastern Region	ARUNACHAL PRADESH	HYDRO	HYDRO	1115.00	1129.00	1279.76
	ASSAM	HYDRO	HYDRO	350.00	139.00	107.37
	MANIPUR	HYDRO	HYDRO	105.00	140.00	146.75
	MEGHALAYA	HYDRO	HYDRO	322.00	211.00	307.85
	MIZORAM	HYDRO	HYDRO	60.00	12.00	13.40
	NAGALAND	HYDRO	HYDRO	75.00	31.00	41.01
Bhutan (IMPORT)			HYDRO	0.00	2036.00	1772.80
Grand Total:				53622.52	50787.00	51054.08

	Name of State/UT	RE Generation April'2022-June'2022
Northern Region	Chandigarh	3.27
	Delhi	131.49
	Haryana	421.23
	Himachal Pradesh	600.91
	Jammu & Kashmir	123.97
	Ladakh	0.00
	Punjab	902.40
	Rajasthan	11076.55
	Uttar Pradesh	1603.16
	Uttarakhand	233.43
	Sub Total	15096.40
Western Region	Chhattisgarh	507.63
	Gujarat	9323.99
	Madhya Pradesh	3045.50
	Maharashtra	4557.60
	Daman & Diu	12.49
	Dadra & Nagar Haveli	6.94
	Goa	2.53
	Sub Total	17456.67

Southern Region	**Andhra Pradesh**	**4638.63**
	Telangana	**1931.29**
	Karnataka	**7222.48**
	Kerala	**383.93**
	Tamil Nadu	**7849.94**
	Lakshadweep	**0.03**
	Puducherry	**3.06**
	Sub Total	**22029.36**
Eastern Region	**Andaman Nicobar**	**9.87**
	Bihar	**46.67**
	Jharkhand	**5.59**
	Odisha	**238.61**
	Sikkim	**3.09**
	West Bengal	**488.44**
	Sub Total	**792.27**
North-Eastern Region	**Arunachal Pradesh**	**13.82**
	Assam	**53.54**
	Manipur	**2.05**
	Meghalaya	**20.47**
	Mizoram	**1.92**
	Nagaland	**18.79**
	Tripura	**1.49**
	Sub Total	**112.08**
	Grand Total	**55486.79**

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