

GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
UNSTARRED QUESTION NO.1437
ANSWERED ON 01.08.2023

POWER GENERATION

1437 SHRI K.C. VENUGOPAL:

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

- (a) the details of the power generated through various means/sources in the country, State/UT-wise;
- (b) the steps taken/proposed to be taken by Government to enhance the power production in the country to meet the rising demand of power; and
- (c) the States which levy tax on the use of water for the generation of electricity?

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a) : The State-wise details of electricity generation through various sources of energy in the country during the last year i.e. 2022-23 and the current year 2023-24 (upto May, 2023) are given at **Annexure**.

(b) : In order to enhance the power production, 18 numbers of coal based thermal power projects having total capacity of 25440 MW, one (1) gas based thermal power project having capacity of 370 MW and 42 numbers of hydro-electric projects (above 25 MW) having total capacity of 18033.5 MW are under construction in the country as on 30th June 2023. Further, Nuclear capacity totalling to 8000 MW is under various stages of construction. Also, 22840 MW additional coal based thermal capacity has been planned by 2030, out of which 15300 MW will be under Central Sector and 7540 MW under State Sector.

(c) : Four (4) States / UTs have imposed water tax / water usage charges on non-consumptive usage of water:

- (i) UT of Jammu and Kashmir and UT of Ladakh (erstwhile State of Jammu and Kashmir)
- (ii) Uttarakhand
- (iii) Sikkim
- (iv) Himachal Pradesh

ANNEXURE

ANNEXURE REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 1437 ANSWERED IN THE RAJYA SABHA ON 01.08.2023

The State-wise details of electricity generation through various sources of energy in the country during the last year i.e. 2022-23 and the current year 2023-24 (upto May, 2023)

(in GWh)

States	2022-23					2023-24 (Apr to May)				
	THERMAL	NUCLEAR	HYDRO	RENEWABLE	TOTAL	THERMAL	NUCLEAR	HYDRO	RENEW-ABLE	TOTAL
Chandigarh	0.00	0.00	0.00	12.61	12.61	0.00	0.00	0.00	2.95	2.95
DELHI	3784.30	0.00	0.00	530.20	4314.50	370.67	0.00	0.00	110.26	480.93
HARYANA	32139.27	0.00	0.00	1419.73	33559.00	4380.57	0.00	0.00	237.04	4617.61
HIMACHAL PRADESH	0.00	0.00	38666.98	2912.95	41579.93	0.00	0.00	4830.43	483.87	5314.30
JAMMU AND KASHMIR	0.00	0.00	16777.42	393.20	17170.62	0.00	0.00	3531.31	100.98	3632.29
LADAKH	0.00	0.00	402.78	0.00	402.78	0.00	0.00	35.77	0.00	35.77
PUNJAB	31506.16	0.00	4399.65	4169.59	40075.40	5411.41	0.00	537.09	928.25	6876.75
RAJASTHAN	57418.72	6587.27	967.43	40990.05	105963.47	9700.09	1216.56	6.24	8514.47	19437.36
UTTAR PRADESH	152063.22	3192.62	974.04	7217.18	163447.06	25347.83	586.04	53.94	1382.51	27370.32
UTTARAKHAND	0.00	0.00	15435.77	933.72	16369.49	199.76	0.00	1664.47	155.62	2019.85
CHHATTISGARH	142599.20	0.00	237.37	2003.05	144839.62	28152.59	0.00	34.03	389.64	28576.26
GOA	0.00	0.00	0.00	19.96	19.96	0.00	0.00	0.00	8.93	8.93
GUJARAT	55481.62	3639.91	6133.14	29762.63	95017.30	12803.29	636.84	266.76	7739.67	21446.56
MADHYA PRADESH	135838.47	0.00	7309.07	8872.72	152020.26	24228.53	0.00	382.69	1730.73	26341.95
MAHARASHTRA	126907.03	8985.48	5894.29	17206.59	158993.39	23695.17	1077.21	1481.01	2583.53	28836.92
ANDHRA PRADESH	61541.93	0.00	3747.58	16411.91	81701.42	12359.14	0.00	242.88	2546.52	15148.54
KARNATAKA	35014.30	7443.24	13157.34	29575.44	85190.32	7612.26	1251.78	2004.77	4515.86	15384.67
KERALA	0.12	0.00	7989.00	1946.26	9935.38	0.00	0.00	1243.44	312.15	1555.59
PUDUCHERRY	233.07	0.00	0.00	12.24	245.31	40.75	0.00	0.00	2.04	42.79
TAMIL NADU	67083.23	16012.57	5965.77	27626.45	116688.02	13321.76	2239.93	477.38	3578.07	19617.14
TELANGANA	50738.20	0.00	6010.07	7429.89	64178.16	9494.59	0.00	106.60	1373.82	10975.01
LAKSHDWEEP	15.02	0.00	0.00	0.10	15.12	11.66	0.00	0.00	0.02	11.68
ANDAMAN NICOBAR	214.57	0.00	0.00	37.88	252.45	61.01	0.00	0.00	5.79	66.80
BIHAR	55200.21	0.00	0.00	288.85	55489.06	9832.35	0.00	0.00	56.53	9888.88
JHARKHAND	30472.78	0.00	305.47	19.70	30797.95	5821.13	0.00	14.59	2.94	5838.66
WEST BENGAL	87612.45	0.00	3423.73	1959.12	92995.30	15891.14	0.00	415.98	326.63	16633.75
ODISHA	64874.24	0.00	5462.81	1192.10	71529.15	11684.39	0.00	770.41	195.86	12650.66
SIKKIM	0.00	0.00	11696.79	12.35	11709.14	0.00	0.00	1461.52	2.06	1463.58
ARUNACHAL PRADESH	0.00	0.00	4820.94	24.85	4845.79	0.00	0.00	483.41	0.52	483.93
ASSAM	8393.08	0.00	481.60	279.01	9153.69	1473.21	0.00	29.95	60.32	1563.48
MANIPUR	0.00	0.00	477.98	8.79	486.77	0.00	0.00	12.71	2.57	15.28
MEGHALAYA	0.00	0.00	980.25	72.16	1052.41	0.00	0.00	84.66	8.66	93.32
MIZORAM	0.00	0.00	204.13	62.27	266.40	0.00	0.00	12.47	16.52	28.99
NAGALAND	0.00	0.00	177.37	111.95	289.32	0.00	0.00	3.14	7.06	10.20
TRIPURA	7079.48	0.00	0.00	6.58	7086.06	1195.46	0.00	0.00	1.08	1196.54
Dadra and Nagar Haveli and Daman and Diu	0.00	0.00	0.00	30.62	30.62	0.00	0.00	0.00	5.09	5.09
BHUTAN IMPORT	0.00	0.00	6742.40	0.00	6742.40	0.00	0.00	190.00	0.00	190.00
Grand Total	1206210.67	45861.09	168841.17	203552.68	1624465.61	223088.76	7008.36	20377.65	37388.56	287863.33
