

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO. 3173
ANSWERED ON 28.03.2023

RENEWABLE ENERGY PRODUCTION IN THE COUNTRY

3173. SHRI JOSE K. MANI

Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

- (a) the percentage of total energy produced in the country through new and renewable energy sources;
- (b) the production of new and renewable energy in the country, State-wise and sector-wise;
- (c) whether there is any budgetary allocation by Government to develop the wind energy sector in the country;
- (d) if so, the details thereof;
- (e) whether Government has been in receipt of any proposal to fully exploit the wind energy resources of Western Ghat and coastal areas of Kerala; and
- (f) if so, the details thereof?

ANSWER

THE MINISTER OF NEW & RENEWABLE ENERGY AND POWER
(SHRI R.K. SINGH)

(a) & (b) A total of 1359.97 Billion Units (BU) of electricity have been generated from all sources in the country during the year 2022-23 (up to Jan 2023). Out of which, a total of 316.75 BU have been generated from renewable energy (RE) which has a share of 23.29% in the total electricity generation in the country.

The state-wise details of generation from various RE sources during the current year i.e., 2022-23 (up to Jan 2023) are given in **Annexure**.

(c) & (d) Wind power projects in the country are set up mostly by private sector developers based on techno economic viability of the project at wind potential sites.

An amount of Rs 1050 crore was allocated for the year 2022-23 for catering to committed liabilities under wind generation-based Incentive schemes for the wind projects commissioned on or before 31st March, 2017.

Further, an amount of Rs 22 crore was allocated in the Budget for the year 2022-23 for supporting research & development activities at National Institute of Wind Energy (NIWE).

(e) & (f) MNRE has not received any specific proposal to fully exploit the wind energy resources of Western Ghat and coastal areas of Kerala.

Annexure referred to in reply to part (a) & (b) of Rajya Sabha Unstarred Question No. 3173 for 28/03/2023 regarding 'Renewable energy production in the country'

State-wise details of generation from various renewable energy (RE) sources during the current year i.e., 2022-23 (upto Jan 2023)

(All fig. in MUs)

Name of State/ UT	Wind	Solar	Bio-Power	Small Hydro	Large Hydro*	Total RE
Chandigarh	0.00	9.75	0.00	0.00	0.00	9.75
Delhi	0.00	201.69	225.37	0.00	0.00	427.06
Haryana	0.00	460.67	518.54	217.50	0.00	1196.71
HP	0.00	50.69	0.00	2653.15	35805.39	38509.23
J & K	0.00	0.00	0.00	343.15	14889.29	15232.44
Ladakh	0.00	0.00	0.00	0.00	373.83	373.83
Punjab	0.00	2165.74	520.96	587.03	3753.15	7026.88
Rajasthan	5467.08	28104.14	331.44	5.09	773.84	34681.59
Uttar Pradesh	0.00	2945.98	2244.98	195.15	826.58	6212.69
Uttarakhand	0.00	276.50	207.10	294.50	14029.64	14807.74
Chhattisgarh	0.00	482.98	965.36	140.95	194.00	1783.29
Gujarat	17062.81	8215.84	8.00	165.11	5424.48	30876.24
Madhya Pradesh	4000.28	3155.93	119.51	301.10	6346.66	13923.47
Maharashtra	6553.88	3441.24	3597.35	648.18	4928.84	19169.49
Dadra and Nagar Haveli and Daman and Diu	0.00	24.46	3.22	0.00	0.00	27.68
Goa	0.00	11.84	4.24	0.00	0.00	16.08
Andhra Pradesh	6691.66	6601.74	361.70	332.60	3343.21	17330.91
Telangana	244.61	5428.40	242.32	86.20	5771.16	11772.70
Karnataka	8657.01	11363.08	2377.83	2154.03	11080.07	35632.02
Kerala	165.18	697.67	52.08	767.45	7059.12	8741.50
Tamil Nadu	15703.60	7505.74	734.00	268.73	5395.05	29607.11
Lakshadweep	0.00	0.09	0.00	0.00	0.00	0.09
Puducherry	0.00	10.20	0.00	0.00	0.00	10.20
Andaman Nicobar	0.00	19.49	0.00	12.94	0.00	32.43
Bihar	0.00	139.53	62.89	10.90	0.00	213.32
Jharkhand	0.00	16.76	0.00	0.00	284.85	301.61
Orissa	0.00	571.62	49.88	383.50	4802.47	5807.47
Sikkim	0.00	0.00	0.00	10.30	11138.52	11148.82
West Bengal	0.00	101.50	1369.73	181.55	3098.92	4751.71
Arunachal Pradesh	0.00	21.93	0.03	2.40	4463.11	4487.46
Assam	0.00	174.20	0.00	56.72	454.02	684.94
Manipur	0.00	6.93	0.01	0.00	460.49	467.43
Meghalaya	0.00	0.00	0.00	63.92	918.20	982.12
Mizoram	0.00	2.68	0.00	43.07	182.63	228.38
Nagaland	0.00	0.00	0.00	105.76	169.24	275.00
Tripura	0.00	5.49	0.00	0.00	0.00	5.49
All India Total	64546.10	82214.50	13996.52	10030.98	145966.76	316754.86

* Large hydro generation Excluding Import from Bhutan

(Source: Central Electricity Authority)