

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 3677
TO BE ANSWERED ON 23.03.2017

GENERATION OF RENEWABLE ENERGY

3677. SHRI RAJESH RANJAN:

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

- (a) the quantum of renewable energy being generated in the country at present, State-wise;
- (b) whether the Government has taken/ proposes to take any steps to increase the generation of renewable energy in the country; and
- (c) if so, the details thereof, State-wise?

ANSWER

THE MINISTER OF STATE FOR POWER, COAL, NEW & RENEWABLE ENERGY AND MINES
(INDEPENDENT CHARGE) (SHRI PIYUSH GOYAL)

(a): During the period from April 2016 to January 2017, a total of 1038.422 Billion Units (BUs) of electricity have been generated in the country including 70.129 BU from various renewable energy sources. The state-wise details of the renewable power generated during the year 2016-17 (upto Jan' 17) is given in **Annexure-I**.

(b) & (c): The steps taken by Government to increase the generation of renewable energy sources include:

- Incentives in the forms of generation based incentives/subsidies, fiscal incentives such as accelerated depreciation, concessional customs duty, excise duty exemptions, income tax holiday for 10 years and viability gap funding from NCEF.
- Up-scaling of the target of renewable energy capacity to 175 GW by the year 2022 which includes 100 GW from solar, 60 GW from wind, 10 GW from bio-power and 5 GW from small hydro-power
- amendments in the Tariff Policy for strong enforcement of Renewable Purchase Obligation (RPO) and for providing Renewable Generation Obligation (RGO);
- setting up of exclusive solar parks;
- development of power transmission network through Green Energy Corridor project;
- identification of large government complexes/ buildings for rooftop projects;
- infrastructure status for solar projects;
- raising tax free solar bonds;
- making roof top solar a part of housing loan by banks/NHB;
- incorporating measures in Integrated Power Development Scheme (IPDS) for encouraging distribution companies and making net-metering compulsory;
- raising funds from bilateral and international donors as also from the Green Climate Fund to achieve the target. and
- creation of Surya Mitras for installation and maintenance of the Solar Projects.

The schemes / Programmes of the Ministry of New and Renewable Energy are implemented all over the country to generate the renewable energy depending upon the local condition and potential available in that area.

ANNEXURE I

REFERRED TO IN REPLY TO LOK SABHA UNSTARRED QUESTION NO. 3481 FOR ANSWER ON 23.03.2017
State-wise and Source-wise power generation from various renewable energy sources during the the period of
April 2016 to Jan 2017.

(Million Units)						
S. No	State	Wind	Solar	Small Hydel	Bio-Power	Total
1	CHANDIGARH	0.00	12.37	0.00	0.00	12.37
2	DELHI	0.00	4.00	0.00	106.85	110.84
3	HARYANA	0.00	38.74	267.49	87.96	394.20
4	HP	0.00	0.00	1885.33	0.00	1885.33
5	J & K	0.00	0.49	278.24	0.00	278.73
6	PUNJAB	0.00	676.06	372.73	632.44	1681.23
7	RAJASTHAN	4857.24	1740.36	3.83	224.46	6825.89
8	UTTAR PRADESH	0.00	165.56	22.07	2257.69	2445.31
9	UTTARAKHAND	0.00	25.09	726.65	45.57	797.30
10	NTPC DADRI+FBD+ UNCHAHAAR+SINGRULI	0.00	38.06	0.00	0.00	38.06
11	OIL INDIA LTD	173.57	19.09	0.00	0.00	192.67
12	CHHATTISGARH	0.00	97.66	39.65	1045.79	1183.10
13	NTPC RAJGARH	0.00	67.59	0.00	0.00	67.59
14	GUJARAT	6578.73	1409.65	20.26	8.16	8016.80
15	MADHYA PRADESH	3015.17	1090.63	189.76	98.80	4394.36
16	MAHARASHTRA	6950.36	464.55	444.34	2152.25	10011.49
17	DADRA AND NAGAR HAVELI	0.00	0.96	0.00	0.00	0.96
18	DAMAN & DIU	0.00	10.95	0.00	0.00	10.95
19	ANDHRA PRADESH	2769.94	1228.48	135.17	423.90	4557.49
20	TELANGANA	183.69	960.99	45.54	310.36	1500.59
21	KARNATAKA	5411.24	343.47	1491.55	1358.97	8605.23
22	KERALA	66.43	20.92	374.73	44.43	506.51
23	NTPC RAMAGUNDAM+ ANANTAPURAM	0.00	271.12	0.00	0.00	271.12
24	TAMIL NADU	11153.53	1477.88	89.80	1065.36	13786.57
25	LAKSHADWEEP	0.00	1.17	0.00	0.00	1.17
26	ANDAMAN & NICOBAR	0.00	5.26	12.17	0.00	17.43
27	BIHAR	0.00	83.01	20.05	0.00	190.52
28	JHARKHAND	0.00	31.63	0.00	87.46	31.63
29	ODISHA	0.00	166.37	218.15	0.00	442.36
30	SIKKIM	0.00	0.00	34.38	57.85	34.38
31	WEST BENGAL	0.00	11.71	92.84	0.00	1297.49
32	DVC	0.00	0.00	121.46	1192.94	121.46
33	NTPC ANDAMAN+TALCHER	0.00	16.48	0.00	0.00	16.48
34	ARUNACHAL PRADESH	0.00	0.13	13.40	0.00	13.53
35	ASSAM	0.00	79.85	78.73	0.00	158.58
36	MANIPUR	0.00	0.01	0.00	0.00	0.01
37	MEGHALAYA	0.00	0.00	54.75	0.00	54.75
38	MIZORAM	0.00	0.00	42.57	0.00	42.57
39	NAGALAND	0.00	0.00	86.41	0.00	86.41
40	TRIPURA	0.00	0.00	40.03	0.00	40.03
41	NEEPCO	0.00	5.65	0.00	0.00	5.65
	Total	41159.91	10565.90	7202.06	11201.23	70129.11

Source: Central Electricity Authority (CEA)

Note: Data as received from State Load Dispatch Centre (SLDC) of the respective states of the electricity department.

