

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 2046
ANSWERED ON 09.12.2021

GENERATION OF RENEWABLE ENERGY THROUGH GREEN HYDROGEN

2046. SHRI SUMEDHANAND SARASWATI

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

- (a) whether the Government proposes to increase the generation of renewable energy through sources like green hydrogen and if so, the details thereof;
- (b) whether the Government also proposes to launch renewable energy generation project in Rajasthan; and
- (c) if so, the details of such projects being run in the country, location-wise?

ANSWER

THE MINISTER OF NEW & RENEWABLE ENERGY AND POWER

(SHRI R.K. SINGH)

(a) In the Independence Day speech on August 15, 2021, Prime Minister announced the launch of National Hydrogen Mission. The draft National Green Hydrogen Mission document is under inter-ministerial consultations. The proposed Mission would help in increasing the generation of Renewable Energy since it *inter alia* aims to scale up production of Green Hydrogen, i.e. Hydrogen produced from renewable energy sources, and its utilization across multiple sectors.

(b)&(c) A total of 150 GW of renewable energy capacity (including large hydro) has been installed as on date in the country including the state of Rajasthan. Further, projects of 63.64 GW capacity (including large hydro) are under various stages of implementation and 32.06 GW are under various stages of bidding. The state-wise details of the installed RE capacity are provided at **Annexure A**.

**Annexure A referred to in the reply to Lok Sabha Unstarred Question No. 2046
to be answered on 9/12/2021**

State-wise Installed Renewable Energy Generation Capacity as on 31.10.2021

S. No.	States/UTs	Small Hydro Power	Wind Power	Bio Power	Solar Power	Large Hydro	Cumulative Installed Capacity as on 31.10.2021
		(MW)	(MW)	(MW)	(MW)	(MW)	(MW)
1	Andhra Pradesh	162.11	4096.65	536.04	4380.71	1610.00	10785.51
2	Arunachal Pradesh	131.105		0.00	11.23	1115.00	1257.34
3	Assam	34.11		2.00	68.55	350.00	454.66
4	Bihar	70.70		125.70	190.52		386.92
5	Chhatisgarh	76.00		275.00	501.58	120.00	972.58
6	Goa	0.05		0.34	18.49		18.88
7	Gujarat	82.69	8952.92	99.88	6092.69	1990.00	17218.18
8	Haryana	73.50		218.00	739.05		1030.55
9	Himachal Pradesh	949.31		10.20	62.67	10065.00	11087.18
10	Jammu & Kashmir	146.34		0.00	46.87	3360.00	3553.21
11	Jharkhand	4.05		4.30	86.62	210.00	304.97
12	Karnataka	1280.73	5039.40	1902.15	7512.01	3689.20	19423.49
13	Kerala	238.02	62.50	2.50	326.89	1856.50	2486.41
14	Ladakh	39.64		0.00	7.80	89.00	136.44
15	Madhya Pradesh	99.71	2519.89	128.00	2673.64	2235.00	7656.24
16	Maharashtra	380.58	5012.83	2632.15	2540.63	3047.00	13613.19
17	Manipur	5.45		0.00	12.16	105.00	122.61
18	Meghalaya	32.53		13.80	4.08	322.00	372.41
19	Mizoram	36.47		0.00	7.88	60.00	104.35
20	Nagaland	30.67		0.00	3.04	75.00	108.71
21	Odisha	100.63		59.22	430.49	2142.25	2732.59
22	Punjab	174.35		491.65	1093.67	1096.30	2855.97
23	Rajasthan	23.85	4326.82	125.08	8911.26	411.00	13798.01
24	Sikkim	52.11		0.00	4.63	2282.00	2338.74
25	Tamil Nadu	123.05	9846.69	1039.91	4738.23	2178.20	17926.08
26	Telangana	90.87	128.10	219.33	4036.59	2405.60	6880.49
27	Tripura	16.01		0.00	14.86		30.87
28	Uttar Pradesh	49.10		2179.67	2032.44	501.60	4762.81
29	Uttarakhand	214.32		139.44	552.67	3855.35	4761.78
30	West Bengal	98.50		321.09	163.90	1341.20	1924.69
31	Andaman & Nicobar	5.25		0.00	29.49		34.74
32	Chandigarh			0.00	53.45		53.45
33	Dadar & Nagar Haveli			0.00	5.46		5.46
34	Daman & Diu			0.00	40.72		40.72
35	Delhi			52.00	211.12		263.12
36	Lakshwadeep			0.00	3.27		3.27
37	Pondicherry			0.00	11.52		11.52
38	Others		4.30	0.00	45.01		49.31
	Total (MW)	4821.81	39990.10	10577.45	47665.89	46512.20	149567.45