

GOVERNMENT OF INDIA  
MINISTRY OF NEW AND RENEWABLE ENERGY  
**LOK SABHA**  
**UNSTARRED QUESTION NO. 1905**  
ANSWERED ON 09.12.2021

**RENEWABLE ENERGY PROJECTS IN ASSAM**

1905. SHRI PALLAB LOCHAN DAS

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

- (a) the number of renewable energy projects in Assam;
- (b) the details of current renewable energy capacity, State-wise including Assam;
- (c) whether Assam has immense potential for hydrogen energy;
- (d) if so, the initiatives taken by the Government to utilise hydrogen energy;
- (e) whether the Government proposes to start working on the National Hydrogen Energy Mission; and
- (f) if so, the details thereof?

**ANSWER**

**THE MINISTER OF NEW & RENEWABLE ENERGY AND POWER**

**(SHRI R.K. SINGH)**

(a) The details of grid connected renewable energy capacity installed in the state of Assam as on 31-10-2021 is given below:

Source	Installed capacity (in MW)
Small Hydro	34.11
Bio-power	2.0
Solar power	59.15
Large hydro	350.0

Further, a capacity of 9.40 MW off-grid/decentralized renewable energy has been installed in the state of Assam as on 31-10-2021. This includes 46,879 nos of solar home lights, 6,47,761 nos of solar lamps, 28,976 nos of solar street lights, 45 nos of solar pumps and 1,605 KW of solar power packs.

(b) The State-wise details of the renewable energy capacity (including large hydro) installed in the country including the State of Assam as on 31<sup>st</sup> October 2021 are given in the **Annexure**.

(c)to(f) Hydrogen is an energy carrier which can be produced from a variety of energy sources. There is no state-wise data available for hydrogen production potential.

Ministry of New and Renewable Energy, under its Research, Development and Demonstration (RD&D) programme, has been supporting projects at academic and research institutions and industry for development of hydrogen technologies, including for Green Hydrogen production from renewable sources. The Department of Science and Technology is also supporting R&D projects for Hydrogen.

In the Independence Day speech on August 15, 2021, Prime Minister announced the National Hydrogen Mission and stated the goal to make India a global hub for Green Hydrogen production and export. The draft National Green Hydrogen Mission document is under inter-ministerial consultations.

The Mission proposes a framework for demand creation, support for indigenous manufacturing of critical technologies, Research & Development activities, and an enabling policy and regulatory framework.

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**Annexure-I referred to in reply to part (b) of Lok Sabha Un-starred Question No. 1905 for  
9/12/2021 regarding 'Renewable Energy Projects in Assam'**

**State-wise details of installed renewable energy capacity (including large hydro) as on 31-10-2021**

S. No.	States/UTs	Small Hydro Power	Wind Power	Bio Power	Solar Power	Large Hydro	Cumulative Installed Capacity
		(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
	<b>Total (MW)</b>	<b>4821.81</b>	<b>39990.10</b>	<b>10577.45</b>	<b>47665.89</b>	<b>46512.20</b>	<b>149567.45</b>