

GOVERNMENT OF INDIA  
MINISTRY OF NEW AND RENEWABLE ENERGY  
**LOK SABHA**  
**UNSTARRED QUESTION NO. 810**  
ANSWERED ON 02.12.2021

**GENERATION OF RENEWABLE ENERGY**

810. DR. A. CHALLAKUMAR

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

- (a) the details of power generated through renewable energy sources including small and micro hydro power plants in the country during each of the last three years and the current year, source and State-wise;
- (b) whether any new power plants/ projects were started during the last three years and if so, the details thereof, source and State-wise;
- (c) the funds allocated/sanctioned to the State Governments to generate power through these sources along with the total funds spent by the Union Government, Public Sector Undertakings and private sector in this regard during the said period source and State-wise;
- (d) the percentage of funds utilized by the State Governments for the development of these sources during the said period, source and State-wise;
- (e) whether these States have not utilized the funds sanctioned by the Union Government for the development of these sources;
- (f) if so, the details thereof along with the reasons therefor?

**ANSWER**

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

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

- (a) The State-wise details of electricity generated from various renewable energy sources (including large hydro) in the country during the last three years & current year i.e. from 2018-19 to 2021-22 (Up to Sept.2021) are given in **Annexure-I**.
- (b) The State-wise details of renewable energy capacity addition (including large hydro) in the country during the last three years & current year i.e. from 2018-19 to 2021-22 (Up to October'2021) are given in **Annexure-II**.
- (c) The details of Central Financial Assistance (CFA) released by the Ministry to various implementing agencies in the country for implementation of renewable energy projects during the last three years & current year i.e. from 2018-19 to 2021-22 (Up to 29/11/2021) are given in **Annexure-III**.
- (d) to (f) To ensure proper utilization of the funds, MNRE obtains periodic physical & financial progress reports, utilization certificates & audited statements of expenditure from state agencies. Periodic review meetings are also held with the State Departments/State Nodal Agencies and other stakeholder for timely utilization of funds. Further, periodic inspection of projects are also undertaken by the Ministry.

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**Annexure-I referred to in reply to part (a) of Lok Sabha Un-starred Question No. 810 for  
2/12/2021 regarding 'Generation of Renewable Energy '**

<b>State Wise Renewable Energy Generation ( including large Hydro) during Last three Years and Current Year (Up to September 21).</b>				
<b>(in Million Units)</b>				
<b>Name of State/UT</b>	<b>Year 2018-19</b>	<b>Year 2019-20</b>	<b>Year 2020-21</b>	<b>Year 2021-22(upto Sept 21)</b>
Chandigarh	13.51	13.33	10.16	7.28
Delhi	287.64	423.69	426.70	216.47
Haryana	662.36	733.50	760.75	461.54
Himachal Pradesh	38196.48	43002.12	39633.77	27486.08
J & K	16853.78	18537.25	17441.97	12226.56
Ladakh	0.00	270.28	376.21	289.02
Punjab	6780.60	7862.90	7611.50	4012.27
Rajasthan	12561.80	14938.24	16986.01	11523.62
Uttar Pradesh	6871.17	6216.69	7320.13	2770.08
Uttarakhand	14846.09	15748.48	14829.34	8797.88
Chhattisgarh	1188.18	1344.66	2053.08	1196.20
Gujarat	15008.99	23131.60	22210.75	15417.97
Madhya Pradesh	11653.82	14579.61	14995.19	7332.93
Maharashtra	20051.74	19866.37	19781.13	11128.80
Dadra and Nagar Haveli	5.76	6.19	11.96	20.55
Daman & Diu	18.94	21.83	40.04	22.73
Goa	0.00	0.82	1.46	0.64
Andhra Pradesh	16823.45	17006.63	17413.95	10891.97
Telangana	8790.60	11301.27	10578.75	6768.67
Karnataka	33845.23	39662.69	40437.68	22334.40
Kerala	8090.53	6258.79	7720.51	5386.68
Tamil Nadu	22180.08	24529.13	26871.76	18927.64
Lakshadweep	1.11	0.66	0.45	0.15
Puducherry	2.58	4.15	6.39	6.12
Andaman Nicobar	30.43	17.30	39.51	16.33
Bihar	488.14	358.68	226.61	86.05
Jharkhand	202.70	175.14	249.56	382.92
Orissa	7430.88	7511.97	7737.74	3485.93
Sikkim	9050.18	11087.98	10935.46	8123.51
West Bengal	4406.00	4391.42	4742.98	2871.39
Arunachal Pradesh	1400.77	1788.69	3453.44	2707.66
Assam	1715.09	1350.44	322.38	517.63
Manipur	604.49	370.79	629.33	269.27
Meghalaya	980.04	1081.02	1208.78	584.20
Mizoram	208.52	227.02	192.37	48.81
Nagaland	318.93	256.72	273.63	100.96
Tripura	82.08	28.10	15.62	4.31
<b>All India Total</b>	<b>261652.70</b>	<b>294106.14</b>	<b>297547.03</b>	<b>186425.21</b>

**Annexure-II referred to in reply to part (c) of Lok Sabha Un-starred Question No. 810 for  
2/12/2021 regarding 'Generation of Renewable Energy '**

<b>Source-wise and State-wise achievements made through various renewable energy sources (including large hydro) during Last three Years and Current Year (Upto Oct, 2021) (in MW)</b>						
<b>S. No.</b>	<b>States/ Uts</b>	<b>Small Hydro Power</b>	<b>Wind Power</b>	<b>Bio Power</b>	<b>Solar Power</b>	<b>Large Hydro</b>
1	Andhra Pradesh	0	129.7	12.45	2122.78	0
2	Arunachal Pradesh	26.5	0	0	3.84	710
3	Assam	0	0	2	49.27	0
4	Bihar	0	0	3.5	37.24	0
5	Chhattisgarh	0	0	44.17	142.99	0
6	Goa	0	0	0.34	17.46	0
7	Gujarat	54.09	3339.5	18.64	4466.5	0
8	Haryana	0	0	7.91	512.15	0
9	Himachal Pradesh	96.2	0	2	54.7	309.98
10	Jammu & Kashmir	6.95	0	0	32.48	0
11	Jharkhand	0	0	0	48.03	0
12	Karnataka	50	431	122.34	2546.76	31.8
13	Kerala	19	10	1.55	198.8	0
14	Madhya Pradesh	13.55	0	6.52	1351.04	0
15	Maharashtra	7.405	228.9	408.45	1289.23	0
16	Manipur	0	0	0	7.33	0
17	Meghalaya	1.5	0	0	2.06	0
18	Mizoram	0	0	0	4.19	0
19	Nagaland	0	0	0	0.2	0
20	Orissa	36.005	0	0	331.65	0
21	Punjab	0.8	0	157.85	180.34	0
22	Rajasthan	0	29.1	-0.05	6479.6	0
23	Sikkim	0	0	0	2.76	113
24	Tamil Nadu	0	1649.6	62.39	2787.37	0
25	Telangana	0	27.3	38.32	737.39	30
26	Tripura	0	0	0	6.34	0
27	Uttar Pradesh	24	0	14.34	1277.22	0
28	Uttrakhand	0	0	0.31	282.64	99
29	West Bengal	0	0	0	114.03	0
30	Andaman & Nicobar	0	0	0	22.69	0
31	Chandigarh	0	0	0	27.44	0
33	Daman & Diu	0	0	0	30.11	0
34	Delhi	0	0	0	140.09	0
35	Lakshwadeep	0	0	0	0.13	0
36	Pondicherry	0	0	0	11.18	0
37	Others	0	0.00	0	1.65	0

**Annexure referred to in reply to part (c) of Lok Sabha Un-starred Question No. 810 for 2/12/2021  
regarding 'Generation of Renewable Energy '**

(Rs in Crore)

<b>State-wise and Year-wise details of amount released as central Financial Assistance during the period of 2018-19 to 2021-22 (upto 29/11/2021)</b>					
<b>S No.</b>	<b>State / UT Name</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22 (upto 29-11-2021)</b>
1	MAHARASHTRA	147.38	55.94	106.61	61.90
2	LAKSHADWEEP	0	0	0	
3	TELANGANA	18.67	28.17	23.12	6.41
4	JAMMU AND KASHMIR	85.84	21.39	4.89	47.26
5	PUNJAB	30.04	22.23	23.34	20.70
6	RAJASTHAN	64.52	88.6	105.60	33.50
7	KERALA	20.73	3.57	12.37	20.86
8	ARUNACHAL PRADESH	5.94	24.07	25.42	9.10
9	TRIPURA	0.22	12.98	18.48	4.42
10	NAGALAND	2.39	16.55	10.69	0
11	SIKKIM	2.74	0.05	-	0.03
12	MEGHALAYA	2.08	4.14	1.23	0
13	UTTARAKHAND	0.45	23.99	11.59	13.36
14	WEST BENGAL	4.19	13.38	-	
15	HARYANA	22.39	18.51	55.45	110.87
16	GUJARAT	361.08	124.33	106.18	574.44
17	ANDAMAN AND NICOBAR ISLANDS	0	0	1.01	
18	ODISHA	9.11	11.04	1.12	5.25
19	TAMIL NADU	54.94	55.44	30.28	10.07
20	MANIPUR	0	16.86	23.06	4.60
21	DADRA AND NAGAR HAVELI	0	0	0	
22	CHANDIGARH	18.76	5.13	0.85	
23	CENTRAL AGENCY	2684.48	2564.23	1875.56	1295.11
24	JHARKHAND	0.99	10.84	16.05	6.61
25	UTTAR PRADESH	37.85	64.33	74.11	20.11
26	KARNATAKA	100.18	16.48	70.71	3.52
27	CHHATTISGARH	95.81	5.16	2.50	1.20
28	DELHI	228.25	11.63	56.28	28.60
29	ANDHRA PRADESH	213.15	30.66	62.32	3.89
30	ASSAM	0.2	33.29	3.11	
31	MIZORAM	7.89	16.12	20.33	0.50
32	HIMACHAL PRADESH	84.13	32.04	73.98	33.44
33	PUDUCHERRY	0.1	0.79	0	0.03
34	GOA	0	0	0.08	3.60
35	MADHYA PRADESH	105.01	94.84	49.42	2.84
36	BIHAR	5.26	1.38	1.49	1.05
37	LADAKH	0	0	9.31	4.86