

GOVERNMENT OF INDIA  
MINISTRY OF NEW AND RENEWABLE ENERGY  
**RAJYA SABHA**  
**UNSTARRED QUESTION NO. 1904**  
ANSWERED ON 02.08.2022

**GENERATION OF SOLAR POWER IN THE COUNTRY**

1904. SHRI HARNATH SINGH YADAV  
SHRI VIJAY PAL SINGH TOMAR

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

- (a) whether Government has achieved the targets set for the generation of solar power in the country;
- (b) if so, the details thereof along with the quantum of solar power generated in the country during each of the last three years and the current year, State/UT-wise;
- (c) the funds provided by Government for generation and creation of additional capacity of solar power in the country during the said period, State/UT-wise; and
- (d) the other steps taken/being taken by Government for promoting the generation and use of solar power in the country?

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

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

(a)&(b) The Government had set a target for setting up of 100 GW solar power capacity by 2022 in the country. Against this, a capacity of 123.11 GW has either been commissioned or is in the pipeline. The details are as under:

(as on 30.06.2022)

Solar projects commissioned (including off-grid)	57.71 GW
Solar projects under implementation	48.71 GW
Solar projects under Tendering	16.69 GW

State/UT wise details of solar power generated during each of the last three years and the current year are given at **Annexure-I**.

(c) State/UT-wise details of funds released under various solar schemes of Ministry of New and Renewable Energy (MNRE) during the last three years and the current year are given at **Annexure-II**.

(d) The Government has taken several steps to promote Renewable Energy including solar energy in the country. These include :

- Permitting Foreign Direct Investment (FDI) up to 100 percent under the automatic route,
- Waiver of Inter State Transmission System (ISTS) charges for inter-state sale of solar and wind power for projects to be commissioned by 30th June 2025,

- Declaration of trajectory for Renewable Purchase Obligation (RPO) up to the year 2029-30,
- Setting up of Ultra Mega Renewable Energy Parks to provide land and transmission to RE developers on a plug and play basis,
- Schemes such as Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyan (PM-KUSUM), Solar Rooftop Phase II, 12000 MW CPSU Scheme Phase II, etc,
- Laying of new transmission lines and creating new sub-station capacity under the Green Energy Corridor Scheme for evacuation of renewable power,
- Setting up of Project Development Cell for attracting and facilitating investments,
- Standard Bidding Guidelines for tariff based competitive bidding process for procurement of Power from Grid Connected Solar PV and Wind Projects.
- Government has issued orders that power shall be dispatched against Letter of Credit (LC) or advance payment to ensure timely payment by distribution licensees to RE generators.

\*\*\*\*\*

**ANNEXURE-I REFERRED TO IN REPLY TO PART (a) AND (b) RAJYA SABHA  
UNSTARRED QUESTION NO. 1904 FOR 02.08.2022**

**STATE/UT DETAILS OF SOLAR POWER GENERATED DURING EACH OF THE  
LAST THREE YEARS AND THE CURRENT YEAR**

Name of State/UT	Solar energy Generation (in MUs)				
	2018-19	2019-20	2020-21	2021-22	2022-23 (upto May-2022)
Chandigarh	13.51	13.33	10.16	14.19	3.04
Delhi	10.83	136.30	189.99	225.84	42.68
Haryana	72.47	125.14	162.95	572.85	126.08
HP	0.00	11.66	36.52	44.29	11.66
J & K	0.00	0.00	9.42	1.71	0.00
Ladakh	0.00	0.00	0.00	0.00	0.00
Punjab	1492.90	1358.22	1356.48	1473.41	353.64
Rajasthan	5109.35	7776.56	10384.24	17219.88	5509.88
Uttar Pradesh	1235.08	1447.05	1856.19	2900.41	663.99
Uttarakhand	318.29	341.51	329.64	301.60	55.30
<b>Northern Region</b>	<b>8252.45</b>	<b>11209.77</b>	<b>14335.59</b>	<b>22754.17</b>	<b>6766.28</b>
Chhattisgarh	335.15	326.42	370.80	436.56	89.60
Gujarat	2410.32	3631.86	4633.81	6774.50	1767.58
Madhya Pradesh	2982.29	3496.23	4202.03	4006.70	841.85
Maharashtra	2206.62	2372.68	3089.46	3187.18	665.26
Dadra and Nagar Haveli	5.76	6.19	11.96	49.16	6.72
Daman & Diu	18.94	21.83	29.52	35.35	4.87
Goa	0.00	0.82	1.46	15.93	0.84
<b>Western Region</b>	<b>7959.08</b>	<b>9856.02</b>	<b>12339.03</b>	<b>14505.37</b>	<b>3376.72</b>
Andhra Pradesh	4965.96	5855.11	6956.10	7832.51	1459.91
Telangana	6312.26	6263.92	6351.04	6536.94	1229.99
Karnataka	7575.83	11221.20	13238.86	13169.43	2551.03
Kerala	110.84	143.59	275.44	496.93	103.63
Tamil Nadu	3554.50	4946.63	6115.48	7172.88	1431.92
Lakshadweep	1.11	0.66	0.45	0.30	0.03
Puducherry	2.58	4.14	6.39	12.24	2.04
<b>Southern Region</b>	<b>22523.09</b>	<b>28435.25</b>	<b>32943.75</b>	<b>35221.23</b>	<b>6778.54</b>
Andaman Nicobar	13.86	11.60	24.82	21.51	5.38
Bihar	179.89	160.16	160.63	163.08	32.28
Jharkhand	19.15	17.47	17.16	18.21	3.73

Odisha	263.03	362.29	476.26	603.71	129.01
Sikkim	0.00	0.00	0.00	0.00	0.00
West Bengal	40.65	64.29	73.92	98.24	21.96
<b>Eastern Region</b>	<b>516.58</b>	<b>615.81</b>	<b>752.78</b>	<b>904.75</b>	<b>192.35</b>
Arunachal Pradesh	1.20	1.60	1.54	1.72	8.38
Assam	6.67	6.14	13.37	81.64	26.09
Manipur	1.88	2.63	7.71	6.72	1.35
Meghalaya	0.00	0.00	0.00	0.47	0.00
Mizoram	0.12	0.44	2.45	1.68	0.66
Nagaland	0.00	0.00	0.00	0.00	0.00
Tripura	7.14	3.43	6.04	6.18	1.12
<b>North Eastern Region</b>	<b>17.00</b>	<b>14.24</b>	<b>31.11</b>	<b>98.41</b>	<b>37.60</b>
<b>All India Total</b>	<b>39268.20</b>	<b>50131.09</b>	<b>60402.26</b>	<b>73483.94</b>	<b>17151.49</b>

**ANNEXURE-II REFERRED TO IN REPLY TO PART (c) RAJYA SABHA  
UNSTARRED QUESTION NO. 1904 FOR 02.08.2022**

**DETAILS OF FUNDS RELEASED UNDER VARIOUS SOLAR SCHEMES OF MNRE  
DURING THE LAST THREE YEARS AND THE CURRENT YEAR**

(Rs. in Crore)

S.No.	State	2019-20	2020-21	2021-22	2022-23 (As on 30.6.2022)
1	Andhra Pradesh	194.04	51.49	10.48	10.50
2	Arunachal Pradesh	17.01	19.76	10.54	0.00
3	Andaman & Nicobar	6.77	0.35	37.97	
4	Assam	33.07	0.00	9.19	0.00
5	Bihar	1.38	2.93	0.00	0.00
6	Chandigarh	5.13	0.85	0.00	0.00
7	Chhattisgarh	13.45	0.00	7.10	0.72
8	Delhi	0.60	23.29	26.17	0.00
9	Goa	0.50	0.00	3.59	0.00
10	Gujarat	81.19	101.30	1242.71	80.69
11	Haryana	22.44	65.89	175.08	0.00
12	Himachal Pradesh	8.09	23.43	33.44	0.00
13	Jammu & Kashmir	16.68	4.89	42.26	0.00
14	Jharkhand	29.79	31.28	15.16	0.00
15	Karnataka	219.51	160.64	141.91	0.00
16	Kerala	0.00	18.46	36.34	0.00
17	Ladakh	0.00	0.00	12.41	0.00
18	Lakshadweep	0.00	0.00	0.00	0.00
19	Madhya Pradesh	159.33	93.69	64.95	0.00
20	Maharashtra	117.32	114.48	95.16	2.38
21	Manipur	16.86	23.06	14.89	0.00
22	Meghalaya	3.47	1.13	0.00	0.00
23	Mizoram	15.33	19.73	2.35	0.00
24	Nagaland	13.55	10.69	5.86	0.00
25	Odisha	30.17	4.01	33.47	0.00
26	Puduchchery	0.79	0.00	0.00	0.00
27	Punjab	25.94	31.85	65.29	0.00
28	Rajasthan	213.31	668.67	305.84	0.00
29	Sikkim	0.00	0.00	0.03	0.00
30	Tamil Nadu	29.29	86.08	60.92	0.00
31	Telangana	54.50	54.03	49.11	0.00
32	Tripura	12.65	18.49	16.88	0.00
33	Uttarakhand	24.86	8.99	28.93	0.00
34	Uttar Pradesh	92.83	68.91	46.90	0.00
35	West Bengal	15.70	0.00	0.00	0.00
36	Others (CEL,REL, NABARD, Regional Rural Banks, NGOs, etc.) and other Channel Partners	115.61	145.91	38.99	0.00
	<b>Total</b>	<b>1591.15</b>	<b>1854.28</b>	<b>2633.92</b>	<b>94.29</b>