

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 3144
ANSWERED ON 04.08.2022

POSSIBILITY OF NEW AND RENEWABLE ENERGY SOURCES

3144. SHRIMATI RAKSHA NIKHIL KHADSE

SHRI MANOJ KOTAK

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

- (a) whether any survey has been conducted in the country regarding the possibility of new and renewable energy sources in the country, State-wise including Maharashtra;
- (b) if so, the details thereof;
- (c) the number of solar power plants in the country, State-wise;
- (d) the details of the steps taken/being taken to set up more number of solar power plants in the country, State-wise including Maharashtra; and
- (e) the details of installed capacity of grid connected solar projects in the State of Maharashtra, district-wise?

ANSWER

THE MINISTER OF NEW & RENEWABLE ENERGY AND POWER
(SHRI R.K. SINGH)

(a)&(b) The state-wise details of renewable energy potential estimated for various renewable energy sources (including large hydro) in the country, including the State of Maharashtra are given in **Annexure-I**.

(c) The state wise details of solar power capacity installed in the country as on 30/06/2022 are given in **Annexure II**.

(d) The Government has taken several steps to promote renewable energy, including solar power, in the country, including in the state of Maharashtra. 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,
- Laying of new transmission lines and creating new sub-station capacity for evacuation of renewable power,
- Declaration of trajectory for Renewable Purchase Obligation (RPO) up to the year 2029-30,
- Setting up of RE 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,
- Notification of standards for deployment of solar photovoltaic system/devices,
- Setting up of Project Development Cell for attracting and facilitating investments,
- Standard Bidding Guidelines for tariff based competitive bidding 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.

(e) As per information provided by Maharashtra Energy Development Agency (MEDA), the district wise details of grid connected solar power projects commissioned in the state of Maharashtra are given in **Annexure-III**.

Annexure-I referred to in reply to part (a) & (b) of Lok Sabha Unstarred Question No. 3144 for 04/08/2022 regarding 'Possibility of New and Renewable Energy Sources'

State-wise details of renewable energy potential estimated for various renewable energy sources (including large hydro) in the country including the State of Maharashtra

(in MW)

Sl. No.	STATES / UTs	Wind Power (@120mtr)	Small Hydro Power	Bio-Energy			Solar	Large Hydro	Total
				Biomass Power	Bagase Cogeneration	Waste To Energy			
1	Andhra Pradesh	74906	409.32	578	300	123	38440	3261	118017
2	Arunachal Pradesh	274	2064.92	8			8650	50064	61061
3	Assam	246	201.99	212		8	13760	650	15078
4	Bihar	3650	526.98	619	300	73	11200	40	16409
5	Chhattisgarh	348	1098.20	236		24	18270	2202	22178
6	Goa	8	4.70	26			880	55	973
7	Gujarat	142560	201.97	1221	350	112	35770	590	180805
8	Haryana	419	107.40	1333	350	24	4560	64	6857
9	Himachal Pradesh	151	3460.34	142		2	33840	18470	56065
10	Jammu & Kashmir	3	1707.45	43			111050	13613	126416
11	Jharkhand	0	227.96	90		10	18180	582	19090
12	Karnataka	124155	3726.49	1131	450		24700	6459	160621
13	Kerala	2311	647.15	1044		36	6110	3378	13527
14	Madhya Pradesh	15404	820.44	1364		78	61660	1970	81296
15	Maharashtra	98213	786.46	1887	1250	287	64320	3314	170058
16	Manipur	0	99.95	13		2	10630	1761	12506
17	Meghalaya	1	230.05	11		2	5860	2298	8402
18	Mizoram	0	168.90	1		2	9090	2131	11392
19	Nagaland	0	182.18	10			7290	1452	8934
20	Orissa	8346	286.22	246		22	25780	2981	37662
21	Punjab	278	578.28	3172	300	45	2810	971	8154
22	Rajasthan	127756	51.67	1039		62	142310	483	271702
23	Sikkim	0	266.64	2			4940	4248	9457
24	Tamil Nadu	68750	604.46	1070	450	151	17670	1693	90388
25	Telangana	24835	102.25				20410	1099	46446
26	Tripura	0	46.86	3		2	2080	0	2131
27	Uttar Pradesh	101	460.75	1617	1250	176	22830	664	27098
28	Uttarakhand	54	1664.31	24		5	16800	17998	36545
29	West Bengal	1050	392.06	396		148	6260	2829	11075
30	Andaman & Nicobar	1277	7.27				0		1284
31	Chandigarh	0				6	0		6
32	Dadra & Nagar Haveli	0					0		0
33	Daman & Diu	0					0		0
34	Delhi	0				131	2050		2181
35	Lakshwadeep	31					0		31
36	Puducherry	382				3	0		385
37	Others					1022	790		1812
	Total	695509.00	21133.62	17536.41	5000.00	2554.00	748990.00	145320	1636043

Annexure-II referred to in reply to part (c) of Lok Sabha Unstarred Question No. 3144 for 04/08/2022 regarding 'Possibility of New and Renewable Energy Sources'

State-wise installed capacity of Solar Power as on 30.06.2022

S. No.	States/ UTs	Solar Power (MW)
1	Andhra Pradesh	4390.48
2	Arunachal Pradesh	11.23
3	Assam	142.94
4	Bihar	190.69
5	Chhatisgarh	529.32
6	Goa	21.54
7	Gujarat	7806.80
8	Haryana	943.61
9	Himachal Pradesh	80.56
10	Jammu & Kashmir	47.90
11	Jharkhand	88.79
12	Karnataka	7597.92
13	Kerala	539.60
14	Ladakh	7.80
15	Madhya Pradesh	2746.27
16	Maharashtra	2753.30
17	Manipur	12.26
18	Meghalaya	4.16
19	Mizoram	8.01
20	Nagaland	3.04
21	Odisha	452.13
22	Punjab	1117.99
23	Rajasthan	14454.70
24	Sikkim	4.69
25	Tamil Nadu	5690.79
26	Telangana	4621.07
27	Tripura	15.87
28	Uttar Pradesh	2244.56
29	Uttarakhand	573.54
30	West Bengal	176.00
31	Andaman & Nicobar	29.91
32	Chandigarh	56.85
33	Dadar & Nagar Haveli	5.46
34	Daman & Diu	41.01
35	Delhi	211.12
36	Lakshwadeep	3.27
37	Pondicherry	35.53
38	Others	45.01
	Total (MW)	57705.72

Annexure-III referred to in reply to part (e) of Lok Sabha Unstarred Question No. 3144 for 04/08/2022 regarding 'Possibility of New and Renewable Energy Sources'

District Wise Grid Connected Solar Power Project Commissioned Details		
Sr. No	Name of The District	Commissioned Capacity (MW)
1	Ahmednagar	88
2	Akola	15.7
3	Amravati	16
4	Aurangabad	12
5	Beed	205
6	Bhandara	0
7	Buldhana	100
8	Chandrapur	10
9	Dhule	337
10	Gondia	0
11	Hingoli	10
12	Jalgaon	238.5
13	Jalna	130
14	Kolhapur	5.5
15	Latur	77.5
16	Nagpur	106.4
17	Nanded	10
18	Nandurbar	2
19	Nashik	58
20	Osmanabad	227.25
21	Parbhani	154
22	Pune	60
23	Raigad	0
24	Ratnagiri	0
25	Sangli	0
26	Satara	188
27	Sindhurdurg	0
28	Solapur	352.535
29	Wardha	0
30	Wasim	0
31	Yavatmal	82
	Total	2485.39