

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO-3746
ANSWERED ON-18.03.2021

POLICY FOR PROMOTION OF RENEWABLE ENERGY

3746. SHRIMATI PRATIMA MONDAL

Will the Minister of New & Renewable Energy be pleased to state:

- (a) The details of policy formulated for the promotion of renewable energy in view of the power crisis in various States of the country;
- (b) The details of the works undertaken by the State Nodal Agencies (SNAs) in the field of renewable energy sector in rural areas; and
- (c) The details of the achievement made thereof , State/UT-wise?

ANSWER

THE MINISTER OF STATE (I/C) FOR NEW & RENEWABLE ENERGY, POWER and
MoS for SKILL DEVELOPMENT AND ENTREPRENEURSHIP

(SHRI R.K. SINGH)

(a) There is no shortage of electricity generation capacity in the country. However, Government has undertaken several policy, regulatory and financial measures for promotion of renewable energy in the country. These include performance based incentives to the distribution companies for roof-top Solar PV systems; creation of Payment Security Mechanism; wind-solar hybrid policy; waiver of inter-state transmission charges and losses for solar and wind projects to be commissioned up to June 30, 2023; schemes for grid connected Solar PV Power Projects; Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyan (PM KUSUM) for de-deiselizing the farm sector, increasing farmers' income, providing farmers energy and water security and curbing environmental pollution; guidelines for transparent tariff based bidding for solar and wind power projects; permitting up to 100 per cent Foreign Direct Investment (FDI) under the automatic route; and priority sector lending status for loans up to a limit of Rs 30 crore.

(b)&(c) State Nodal Agencies (SNAs) for renewable energy implement programmes and schemes of the Government of India and State Governments in the respective States/UTs, including in rural areas.

The State-wise details of grid interactive renewable power installed capacity and Decentralised/Off-Grid Renewable Energy Systems/Devices are enclosed at **Annexure-I** and **Annexure-II** respectively.

Annexure-I referred to in Parts (b) and (c) of the Lok Sabha unstarred question no. 3746 to be answered on 18/03/2021

State-wise installed capacity of Grid Interactive Renewable Power as on 28.02.2021.											
S. No.	STATES / Uts	Small Hydro Power	Wind Power	Bio-Power				Solar Power			Total Capacity
				BM Power/Bagasse Cogen.	BM Cogen. (Non-Bagasse)	Waste to Energy	Bio Power Total	Ground Mounted	Roof Top	Total	
		(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)
1	Andhra Pradesh	162.11	4096.65	378.10	105.57	23.16	506.83	3858.24	138.26	3996.50	8762.09
2	Arunachal Pradesh	131.105					0.00	1.27	4.34	5.61	136.72
3	Assam	34.11			2.00		2.00	10.67	32.32	42.99	79.10
4	Bihar	70.70		112.50	12.20		124.70	138.93	20.58	159.51	354.91
5	Chhatisgarh	76.00		242.40	2.50		244.90	222.64	29.84	252.48	573.38
6	Goa	0.05				0.34	0.34	0.95	6.49	7.44	7.83
7	Gujarat	78.94	8306.42	65.30	12.00		77.30	3125.17	943.13	4068.30	12530.96
8	Haryana	73.50		121.40	89.26	1.20	211.86	130.80	277.03	407.83	693.19
9	Himachal Pradesh	936.11			9.20		9.20	24.00	18.73	42.73	988.04
10	Jammu & Kashmir	185.98						8.49	12.24	20.73	206.71
11	Jharkhand	4.05			4.30		4.30	19.05	29.58	48.63	56.98
12	Karnataka	1280.73	4912.60	1867.10	20.20	1.00	1888.30	7091.75	255.10	7346.85	15428.48
13	Kerala	230.02	62.50		2.27		2.27	150.00	107.00	257.00	551.79
14	Madhya Pradesh	99.71	2519.89	92.50	14.85	15.40	122.75	2386.31	76.91	2463.22	5205.57
15	Maharashtra	379.58	5000.33	2568.00	16.40	12.59	2596.99	1642.24	647.73	2289.97	10266.87
16	Manipur	5.45						0.00	6.36	6.36	11.81
17	Meghalaya	32.53			13.80		13.80	0.00	0.12	0.12	46.45
18	Mizoram	36.47						0.10	1.43	1.53	38.00
19	Nagaland	30.67						0.00	1.00	1.00	31.67
20	Odisha	88.63		50.40	8.82		59.22	383.56	18.16	401.72	549.57
21	Punjab	173.55		299.50	173.95	10.75	484.20	828.58	118.52	947.10	1604.85
22	Rajasthan	23.85	4326.82	119.25	2.00		121.25	5053.58	419.00	5472.58	9944.50
23	Sikkim	52.11						0.00	0.07	0.07	52.18
24	Tamil Nadu	123.05	9431.54	969.10	43.55	6.40	1019.05	4090.15	313.33	4403.48	14977.12
25	Telangana	90.87	128.10	158.10	2.00	45.80	205.90	3784.27	152.09	3936.36	4361.23
26	Tripura	16.01						5.00	4.41	9.41	25.42
27	Uttar Pradesh	49.10		1957.50	159.76		2117.26	1410.25	257.25	1667.50	3833.86
28	Uttarakhand	214.32		72.72	57.50		130.22	239.78	113.63	353.41	697.95
29	West Bengal	98.50		300.00	19.92		319.92	100.00	49.84	149.84	568.26
30	Andaman & Nicobar	5.25						24.63	4.59	29.22	34.47
31	Chandigarh							6.34	38.82	45.16	45.16
32	Dadar & Nagar Haveli							2.49	2.97	5.46	5.46
33	Daman & Diu							10.15	30.40	40.55	40.55
34	Delhi					52.00	52.00	8.96	184.01	192.97	244.97
35	Lakshwadeep							0.75	0.00	0.75	0.75
36	Pondicherry							0.03	9.30	9.33	9.33
37	Others		4.30								4.30
	Total (MW)	4783.06	38789.15	9373.87	772.05	168.64	10314.56	34759.13	4324.58	39083.71	92970.48

MW = Megawatt

Annexure-II referred to in Parts (b) and (c) of the Lok Sabha unstarred question no. 3746 to be answered on 18/03/2021

Statewise details of Decentralised/Off-Grid Renewable Energy Systems/Devices as on 28.02.2021								
S.No.	STATES / UT	Waste to	Solar Photovoltaic (SPV) Systems				SPV	
		Energy	SLS	HLS	SL	Lighting	PP	Pumps
		(MW)				Total	(kWp)	(Nos)
1	Andhra Pradesh	28.38	15795	22972	77803	116570	3815.60	34045
2	Arunachal Pradesh		13741	35065	125581	174387	963.20	22
3	Assam		17384	46879	647761	712024	1605.00	45
4	Bihar	1	47152	12303	1735227	1794682	6800.00	2813
5	Chhatisgarh	0.41	3730	42232	3311	49273	31372.90	61970
6	Goa		707	393	1093	2193	32.72	15
7	Gujarat	22.58	5004	9253	31603	45860	13576.60	11577
8	Haryana	4.89	34625	56727	93853	185205	2321.25	8461
9	Himachal Pradesh	1	92500	22592	33909	149001	1905.50	24
10	Jammu & Kashmir		24904	144316	51224	220444	8129.85	39
11	Jharkhand		13916	9450	790515	813881	3769.90	4832
12	Karnataka	13.62	5069	52638	7781	65488	7854.01	7476
13	Kerala	0.23	1735	41912	54367	98014	16078.39	818
14	Madhya Pradesh	4.9	14258	7920	529101	551279	3654.00	24684
15	Maharashtra	35.16	10420	3497	239297	253214	3857.70	11315
16	Manipur		22367	24583	9058	56008	1580.50	40
17	Meghalaya		5800	14874	40750	61424	2004.00	19
18	Mizoram		10117	12060	107217	129394	3864.60	37
19	Nagaland		15125	1045	6766	22936	1506.00	3
20	Orissa		17955	5274	99843	123072	2191.51	9661
21	Punjab	7.45	43448	8626	17495	69569	2066.00	4970
22	Rajasthan	3.83	7114	187968	225851	420933	30449.00	55195
23	Sikkim		504	15059	23300	38863	850.00	0
24	Tamil Nadu	20.86	40324	298641	16818	355783	13052.60	6394
25	Telangana	4.59	2208	0	12000	14208	7450.00	424
26	Tripura		6887	32723	288941	328551	867.00	214
27	Uttar Pradesh	58.84	291392	235909	2351205	2878506	10638.31	30847
28	Uttarakhand	9.22	34218	91595	163386	289199	4059.53	26

29	West Bengal	1.17	15605	145332	17662	178599	1730.00	653
30	Andaman & Nicobar		1135	468	6296	7899	167.00	5
31	Chandigarh		901	275	1675	2851	730.00	12
32	Dadar & Nagar Haveli		0	0	0	0	0.00	0
33	Daman & Diu		0	0	0	0	0.00	0
34	Delhi		301	0	4807	5108	1269.00	90
35	Lakshwadeep		4465	600	5289	10354	2190.00	0
36	Puducherry		417	25	1637	2079	121.00	21
37	Others*		9150	140273	125797	275220	23885.00	4621
	Total	218.13	830373	1723479	7948219	10502071	216407.67	281368

SLS = Street Lighting System; HLS=Home Lighting System; SL= Solar Lanterns; MW=Mega Watt; kWp=kilowatt peak; PP = Power plants;