

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOKSABHA

UNSTARRED QUESTION NO 698

TO BE ANSWERED ON 21/11/2019

PURCHASING OF POWER

+ 698. SHRIMATI SHARDABEN ANIL BHAI PATEL

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

- (a) the total capacity of power being generated by the solar and hydroelectric units at present, State/UT-wise;
- (b) the criterion implemented by the Government about those States which are especially willing to invite investors from India and abroad in respect of purchasing of power; and
- (c) the steps taken/being taken by the Government regarding setting up of hydroelectric projects in the country in the context of climate change?

ANSWER

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

(SHRI R. K. SINGH)

(a) A cumulative capacity of 81.74 GW has been installed in the country through solar and hydroelectric projects (including small hydro projects) till 31/10/2019. The state-wise and source-wise details of installed capacity are given in **Annexure**.

(b) The steps taken by the Government to invite investors from India and abroad for investment in renewable energy sector in the country inter alia, include the following:-

- Announcement of a target of installing 175 GW of renewable energy capacity by the year, 2022;
- Permitting Foreign Direct Investment (FDI) up to 100 percent under the automatic route.
- Waiver of Inter State Transmission System (ISTS) charges and losses for inter-state sale of solar and wind power for projects to be commissioned up to December, 2022.
- Notification of standard bidding guidelines to enable distribution licensee to procure solar and wind power at competitive rates in cost effective manner.
- Declaration of trajectory for Renewable Purchase Obligation (RPO) up to the year 2022.
- Implementation of Green Energy Corridor project to facilitate grid integration of large scale renewable energy capacity addition.
- Launching of New Schemes, such as, PM-KUSUM, solar rooftop phase II, 12000 MW CPSU scheme Phase II.

(c) Ministry of Power vide their OM no 15/2/2016-H-(Pt) dated 8th march 2019 has taken following steps to promote hydro power sector in the country:

- Declaring Large Hydropower Projects (>25 MW projects) as Renewable Energy source.
- Placing Hydro Purchase Obligation (HPO) as separate entity within non-solar Renewable Purchase Obligation (RPO).
- Tariff rationalization measures for bringing down hydropower tariff.
- Budgetary support for Flood Moderation/ Storage hydro Electric Projects (HEPs).
- Budgetary support for enabling Infrastructure i.e. roads/bridges.

Annexure referred to in reply to part (a) of Lok Sabha Unstarred Question No. 698 for 21/11/2019 regarding 'Purchasing of Power'

Source-wise and State-wise capacity installed through solar and hydroelectric projects under Grid Interactive Renewable Power (As on 31.10.2019)

State-wise installed capacity of Grid Interactive Renewable Power as on 31.10.2019.					
S. No.	STATES / Uts	Large Hydro Power	Small Hydro Power (upto 25MW)	Solar Power	Total Cumulative Capacity
(MW)					
1	Andhra Pradesh	1610.00	162.11	3316.82	5088.93
2	Arunachal Pradesh	515.00	131.105	5.610	651.72
3	Assam	350.00	34.11	41.23	425.34
4	Bihar		70.70	149.35	220.05
5	Chhatisgarh	120.00	76.00	231.35	427.35
6	Goa		0.05	4.78	4.83
7	Gujarat*	1990.00	62.35	2687.57	4739.92
8	Haryana		73.50	247.52	321.02
9	Himachal Pradesh	9809.00	906.51	29.63	10745.14
10	Jammu & Kashmir	3449.00	180.03	19.13	3648.16
11	Jharkhand*	210.00	4.05	38.40	252.45
12	Karnataka	3644.20	1256.73	6497.42	11398.35
13	Kerala	1856.50	222.02	141.39	2219.91
14	Madhya Pradesh	2235.00	95.91	2116.08	4446.99
15	Maharashtra*	3047.00	379.575	1661.330	5087.91
16	Manipur	105.00	5.45	4.30	114.75
17	Meghalaya	322.00	32.53	0.12	354.65
18	Mizoram	60.00	36.47	1.42	97.89
19	Nagaland	75.00	30.67	1.00	106.67
20	Odisha	2142.25	64.625	397.280	2604.16
21	Punjab	1096.30	173.55	947.10	2216.95
22	Rajasthan	411.00	23.85	4737.63	5172.48
23	Sikkim	2169.00	52.11	0.07	2221.18
24	Tamil Nadu*	2178.20	123.05	3097.97	5399.22
25	Telangana*	2405.60	90.87	3620.75	6117.22
26	Tripura		16.01	9.41	25.42
27	Uttar Pradesh	501.60	25.10	1045.10	1571.80
28	Uttarakhand	3756.35	214.320	314.990	4285.66
29	West Bengal *	1341.20	98.50	108.49	1548.19
30	Andaman & Nicobar		5.25	12.19	17.44
31	Chandigarh			36.99	36.99
32	Dadar & Nagar Haveli			5.46	5.46
33	Daman & Diu			16.02	16.02
34	Delhi			148.41	148.41
35	Lakshwadeep			0.75	0.75
36	Pondicherry			3.20	3.20
37	Others				0.00
	Total (MW)	45399.20	4647.107	31696.260	81742.57

MW = Megawatt

*Including Pumped Hydro Schemes. (Source- CEA)

