

GOVERNMENT OF INDIA  
MINISTRY OF NEW AND RENEWABLE ENERGY  
**LOK SABHA**  
**UNSTARRED QUESTION NO. 5337**  
TO BE ANSWERED ON 25.07.2019

**STATUS OF SMALL HYDRO POWER PROJECTS**

5337. SHRI SU THIRUNAVUKKARASAR

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

- (a) the estimated potential generation from the existing small hydro-power projects in the country;
- (b) the steps taken/proposed to be taken by the Government to exploit the potential of such projects;
- (c) the status of small hydro power projects under construction along with the number of projects functioning in the country, State/UT-wise;
- (d) the quantum of funds allocated/ and released to the States/UTs for the development of small hydro power projects during each of the last three years, State/UT-wise; and
- (e) the other steps taken by the Government to achieve the target of exploiting power from small hydro power projects?

**ANSWER**

THE MINISTER OF STATE (I/C) FOR NEW & RENEWABLE ENERGY AND POWER AND MINISTER OF STATE FOR SKILL DEVELOPMENT & ENTREPRENEURSHIP (SHRI R. K. SINGH)

- (a) The estimated potential generation from existing 4604.81 MW installed capacity is 12101.44 MU at 30% Plant Load Factor (PLF).
- (b) The Ministry of New & Renewable Energy brings out Small Hydro Power Schemes from time to time to provide Central Financial Assistance to both Government and Private sector for setting up Small Hydro Power (SHP) projects.
- (c) The aggregate capacity of Small Hydro Power Projects commissioned by 30th June 2019 in the country was 4604.81 MW. 116 SHP Projects aggregating to 589.99 MW are under construction. The State wise number of under construction small hydro power projects and the projects functioning in the country are given in **Annexure A**.
- (d) Year wise, State wise funds released as Central Financial Assistance for SHP Projects set up in various States from FY 2016-17 to FY 2018-19 are given in **Annexure B**.
- (e) Development of Small Hydro Sector is mainly governed by the policies of different State Governments. Small Hydro Projects are being set up both by Government entities and private developers as per respective State Government policies. The Central Government has been providing support for the development of Small Hydro Projects both in Government and Private sector inter alia, in following ways:
  - (i) providing support for carrying out Detailed Survey and Investigation (DSI) and preparation of DPRs,
  - (ii) supporting renovation and modernization of old small hydro projects in Government sector,
  - (iii) preparation/ updation of data base of prospective small hydro projects,
  - (iv) support to Alternate Hydro Energy Centre (now Department of Hydro & Renewable Energy) at IIT Roorkee to set up state of art laboratory to provide technical and training support to SHP developers,
  - (v) providing financial support for setting up new small hydro projects under Govt. & Private Sector for the projects as per prevailing scheme guidelines.

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**Annexure-A**

Annexure referred to in reply to part (c) of the Lok Sabha unstarred question No. 5337 for 25.7.2019 regarding "Status of Small Hydro Power Projects" asked by Shri SU THIRUNAVUKKARASAR, M.P.

Sl. No.	State	Projects commissioned		Projects under construction	
		Nos.	Capacity (MW)	Nos.	Capacity (MW)
1	Andhra Pradesh	44	162.11	0	0.00
2	Arunachal Pradesh	156	131.11	10	7.05
3	Assam	6	34.11	1	2.00
4	Bihar	29	70.70	0	0.00
5	Chhattisgarh	10	76.00	0	0.00
6	Goa	1	0.05	0	0.00
7	Gujarat	13	62.35	9	48.81
8	Haryana	9	73.50	0	0.00
9	Himachal Pradesh	190	870.21	22	210.90
10	Jammu & Kashmir	45	180.03	17	47.55
11	Jharkhand	6	4.05	0	0.00
12	Karnataka	168	1254.73	5	39.00
13	Kerala	34	222.02	8	80.50
14	Madhya Pradesh	12	95.91	2	7.60
15	Maharashtra	69	375.58	10	14.40
16	Manipur	8	5.45	0	0.00
17	Meghalaya	5	32.53	2	25.50
18	Mizoram	18	36.47	4	8.70
19	Nagaland	12	30.67	0	0.00
20	Odisha	10	64.63	3	57.00
21	Punjab	56	173.55	7	4.90
22	Rajasthan	10	23.85	0	0.00
23	Sikkim	17	52.11	1	3.00
24	Tamil Nadu	21	123.05	0	0.00
25	Telangana	30	90.87	0	0.00
26	Tripura	3	16.01	0	0.00
27	A&N Islands	1	5.25	0	0.00
28	Uttar Pradesh	9	25.10	2	25.50
29	Uttarakhand	102	214.32	13	7.58
30	West Bengal	24	98.50	0	0.00
<b>Total</b>		<b>1118</b>	<b>4604.81</b>	<b>116</b>	<b>589.99</b>

**Annexure B**

Annexure referred to in reply to part (d) of the Lok Sabha unstarred question No. 5337 for 25.7.2019 regarding "Status of Small Hydro Power Projects" asked by Shri SU THIRUNAVUKKARASAR, M.P.

S.No.	State	Central Financial Assistance released to SHP Projects set up in various States		
		(Rs. in Lakhs)		
		During 2016-17	During 2017-18	During 2018-19
1.	Andhra Pradesh	65.00	45.50	0.00
2.	Arunachal Pradesh	1353.14	2317.11	593.56
3.	Bihar	0.00	0.00	0.00
4.	Chhattisgarh	279.10	27.00	0.00
5.	Delhi	20.58	0.00	0.00
6.	Gujarat	4502.00	2587.50	1500.00
7.	Himachal Pradesh	3623.45	742.05	665.25
8.	Haryana	38.15	100.05	901.23
9.	Jammu & Kashmir	1411.01	2018.35	7074.84
10.	Karnataka	240.96	783.10	435.00
11.	Kerala	1354.70	2909.65	1041.25
12.	Madhya Pradesh	0.00	250.00	0.00
13.	Maharashtra	592.52	326.50	667.50
14.	Manipur	0.00	12.92	0.00
15.	Meghalaya	681.25	700.00	0.00
16.	Mizoram	835.00	775.94	827.06
17.	Nagaland	295.20	265.35	33.30
18.	Punjab	0.00	0.00	0.00
19.	Sikkim	5.00	0.00	0.00
20.	Tamil Nadu	20.62	0.00	0.00
21.	Uttarakhand	2564.43	0.00	27.48
22.	Uttar Pradesh	86.50	887.46	0.00
23.	West Bengal	0.00	0.00	0.00
<b>TOTAL</b>		<b>17968.62</b>	<b>14748.48</b>	<b>13766.48</b>

