

**GOVERNMENT OF INDIA  
NEW AND RENEWABLE ENERGY  
LOK SABHA**

STARRED QUESTION NO:616  
ANSWERED ON:07.05.2010  
SMALL HYDRO POWER PROJECTS  
Semmalai Shri S.

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

- (a) the details of the small hydro power projects functioning in the country including Northern and North-Eastern States, State-wise;
- (b) whether these projects work under standalone mode or transmission connectivity is provided to the grid;
- (c) if so, the details thereof;
- (d) whether the Central Electricity Regulatory Commission (CERC) has revised the norms relating to the connectivity and transmission of power from these projects; and
- (e) if so, the details thereof?

**Answer**

THE MINISTER OF NEW AND RENEWABLE ENERGY(DR. FAROOQ ABDULLAH)

(a),(b),(c),(d)&(e): A Statement is laid on the Table of the House.

**STATEMENT**

Statement referred to in reply to parts (a),(b),(c),(d)&(e) of the Lok Sabha Starred Question No. 616 for 7th May, 2010 regarding Small Hydro Power Projects by Shri S. Semmalai :

(a),(b)&(c): So far, 740 Small Hydro Power (SHP) projects with an aggregate capacity of 2735 MW have been set up in the country. The State wise details are given in Annexure. These small hydro projects include both working under stand-alone and grid connected modes. Normally, micro hydel projects up to 100 KW or so operate in stand-alone mode and projects above this capacity are connected to the grid.

(d)&(e): The connectivity and transmission of power from small hydro project is governed by the State Government Policies. SHP developer is required to sign Power Purchase Agreement and location of connectivity of the project with the concerned agencies. The Central Electricity Regulatory Commission (CERC) has fixed norms of connecting hydro projects to the inter-State grid. As per the current norms, hydro projects above 250 MW can only be connected to the inter-State grid.

**Annexure**

Annexure referred to in reply to parts (a),(b)&(c) of the Lok Sabha Starred Question No. 616 for 07.05.2010 regarding Small Hydro Power Projects by Shri S. Semmalai

Sl. No. State Projects Installed  
Nos. Capacity (MW)

1 Andhra Pradesh 60 186.83

2 Arunachal Pradesh 88 73.420

3 Assam 4 27.110

4 Bihar 12 54.600

5 Chattisgarh 6 19.050

6	Goa	1	0.050
7	Gujarat	4	12.60
8	Haryana	7	70.100
9	Himachal Pradesh	100	330.315
10	J&K	34	129.330
11	Jharkhand	6	4.050
12	Karnataka	96	640.45
13	Kerala	19	133.87
14	Madhya Pradesh	10	71.160
15	Maharashtra	34	245.325
16	Manipur	8	5.450
17	Meghalaya	4	31.030
18	Mizoram	18	36.470
19	Nagaland	10	28.670
20	Orissa	9	64.300
21	Punjab	39	132.55
22	Rajasthan	10	23.850
23	Sikkim	16	47.110
24	Tamil Nadu	15	90.05
25	Tripura	3	16.010
26	Uttar Pradesh	9	25.100
27	Uttarakhand	94	132.92
28	West Bengal	23	98.400
29	A&N Islands	1	5.250
	Total	740	2735.42