

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO-2536
TO BE ANSWERED ON-02.08.2018

IMPLEMENTATION OF RENEWABLE ENERGY SCHEMES IN NORTH-EASTERN STATES

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

- (a) whether a special provision of annual budget allocation has been made for the implementation of renewable energy schemes in the North-Eastern States;
- (b) if so, the details of budget allocation made during each of the last three years, State-wise;
- (c) the ways and means through which the Union Government has effectively utilized the renewable energy in the North-Eastern States;
- (d) whether the North-Eastern States have a great potential to harvest solar energy and in some places even hydro and wind power and if so, the details thereof along with the action taken by the Union Government in this regard;
- (e) whether the Union Government has any data regarding the estimated renewable energy available for harvesting in North-Eastern States and if so, the details thereof; and
- (f) whether the Union Government has sanctioned solar parks in North-Eastern States to achieve the target of solar energy by 2022 and if so, the details thereof?

ANSWER

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

- (a) & (b) A special provision of 10 percent of annual budget allocation has been made by the Ministry of New & Renewable Energy for implementation of various renewable energy programs in the North-Eastern states. The Central Financial Assistance (CFA) is released on project to project basis. No state wise budget allocation is made. However, the scheme-wise details of budget allocation made for North-Eastern states during the last three years are given in **Annexure-I**.
- (c) The Government is promoting deployment of renewable energy in the North-Eastern states such as solar power, small hydro power, biogas plants, etc. The state-wise details of grid connected and off grid/decentralized renewable energy capacity installed in North-Eastern states are given in **Annexure-II**.
- (d) & (e) The state-wise details of estimated potential available for harnessing solar and small hydro energy in North-Eastern states are given in **Annexure-III**. A total of 338.58 MW of grid connected renewable energy capacity has been installed in North-Eastern states as on 30th June, 2018. Further, six solar parks have been sanctioned in North-Eastern states.
- (f) The state wise details of solar parks sanctioned in North-Eastern states are given in **Annexure-IV**.

ANNEXURE-I

Annexure referred in reply to part (a) & (b) of the Lok Sabha Un-starred question number 2536 for 2-8-2018 showing scheme-wise details of budget allocation made for North-Eastern states during the last three years.

FY 2015-16

(Rs. in thousands)

S. No.	Scheme	Budget Estimates (B.E.)
1.	Wind Power (Off-Grid)	-
2.	Remote Village Electrification/Lighting Programme (Renewable Energy for Remote Villages)	2,00,00
3.	Biogas Programme (Renewable Energy for all Villages)	21,00,00
4.	Others (Renewable Energy for all Villages)	6,00,00
Total		29,00,00

FY 2016-17

(Rs. in thousands)

S. No.	Scheme	Budget Estimates (B.E.)
1.	Hydro Power (Grid)	27,00,00
2.	Solar Power (Grid)	212,00,00
3.	Solar Power (Off-Grid)	200,00,00
4.	Wind Power (Off-Grid)	1,80,00
5.	Remote Village Electrification (Off-Grid)	20,00,00
6.	Biogas Programme (Off-Grid)	27,00,00
7.	Others including Cookstoves (Off-Grid)	3,00,00
8.	Others Renewable Energy Applications (Solar Cities, Green Buildings, etc.) - (Off-Grid)	5,20,00
Total		496,00,00

FY 2017-18

(Rs. in thousands)

S. No.	Scheme	Budget Estimates (B.E.)
1.	Hydro Power (Grid)	29,00,00
2.	Solar Power (Grid)	360,00,00
3.	Solar Power (Off-Grid)	100,00,00
4.	Wind Power (Off-Grid)	2,00,00
5.	Biogas Programme (Off-Grid)	34,00,00
Total		525,00,00

ANNEXURE-II

Annexure referred in reply to part (c) of the Lok Sabha Un-starred question number 2536 for 2-8-2018 showing state-wise details of major grid connected and off grid/decentralized installed renewable energy capacity installed in North-Eastern states.

State-wise installed capacity of Grid Interactive Renewable Power as on 30.06.2018 (in MW)				
S. No.	STATES	Small Hydro Power	Solar power	Total Capacity
1	Arunachal Pradesh	106.105	5.39	111.50
2	Assam	34.11	12.70	46.81
3	Manipur	5.45	2.17	7.62
4	Meghalaya	31.03	0.06	31.09
5	Mizoram	36.47	0.20	36.67
6	Nagaland	30.67	1.00	31.67
7	Sikkim	52.11	0.01	52.12
8	Tripura	16.01	5.09	21.10
	Total	311.955	26.62	338.58

State-wise installed capacity of Decentralized/Off-Grid Renewable Energy Systems/Devices as on 30.06.2018						
S. No.	STATES / UT	Solar Photovoltaic (SPV) Systems				
		Street Lighting system (SLS)	Home lighting system (HLS)	Solar Lanterns (SL)	Power packs (PP)	SPV Pumps
		(Nos.)	(Nos.)	(Nos.)	(kWp)	(Nos)
1	Arunachal Pradesh	5008	35065	18551	963.20	22
2	Assam	9012	46879	123309	1605.00	45
3	Manipur	11205	24583	9058	1580.50	40
4	Meghalaya	4900	7844	24875	1084.50	19
5	Mizoram	5325	12060	10512	2955.60	37
6	Nagaland	6235	1045	6766	1506.00	3
7	Sikkim	504	15059	23300	850.00	0
8	Tripura	1199	32723	64282	867.00	151
	Total	43388	175258	280653	11411.80	317

ANNEXURE-III

Annexure referred in reply to part (d) & (e) of the Lok Sabha Un-starred question number 2536 for 2-8-2018 showing state-wise details of available potential of major renewable energy sources in North-Eastern states.

(In MW)

Sl. No.	States	Small Hydro Power	Solar Power
1	Arunachal Pradesh	1341	8650
2	Assam	239	13760
3	Manipur	109	10630
4	Meghalaya	230	5860
5	Mizoram	169	9090
6	Nagaland	197	7290
7	Sikkim	267	4940
8	Tripura	47	2080
	Total	2599	62220

ANNEXURE-IV

Annexure referred in reply to part (f) of the Lok Sabha Un-starred question number 2536 for 2-8-2018 showing state-wise details of solar parks sanctioned in North-Eastern states.

Sl. No.	Name of Solar Park & State	Capacity
1.	Solar Park at Lohit district, Arunachal Pradesh	30 MW
2.	Solar Park at Amguri in Sibsagar district, Assam	70 MW
3.	Bukpi solar park, Manipur	20 MW
4.	Suchen&Thamar Solar Park, Meghalaya	20 MW
5.	Vankal solar park, Mizoram	20 MW
6.	Solar Park at Dimapur, and Peren districts of Nagaland.	23 MW