

Sl. No	State	Grant Amount (₹ in crore)
FY 2015-16		
1.	Andhra Pradesh	10.92
2.	Chhattisgarh	32.03
3.	Karnataka	5.30
4.	Uttar Pradesh	11.32
5.	Madhya Pradesh	3.93
SUB TOTAL		63.50
FY 2016-17		
1.	Chhattisgarh	50.98
2.	Assam	81.70
3.	Rajasthan	24.68
4.	Kerala	1.24
5.	Andhra Pradesh	2.09
SUB TOTAL		160.69
FY 2017-18		
1.	Arunachal Pradesh	24.14
2.	Madhya Pradesh	1.84
3.	Odisha	17.64
4.	Meghalaya	4.47
SUB TOTAL		48.10
GRAND TOTAL		294.93

Estimated solar power generation by 2022

878. SHRI SAMBHAJI CHHATRAPATI: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) whether it is a fact that the target fixed for generation of solar power energy by 2022 was revised in 2015 from 22 GW to 100 GW;

(b) the plans for solar power energy generation to achieve revised targeted capacity and the details thereof; and

(c) the estimated expenditure likely to be incurred on setting up of the plants and whether these would be set up by Government controlled agencies or private players would also be pooled in to achieve the target?

THE MINISTER OF STATE OF THE MINISTRY OF NEW AND RENEWABLE ENERGY (SHRI PIYUSH GOYAL): (a) Yes, Sir. Originally targets set in 2010 were as follows:—

Grid connected solar power: 20 GW

Off-grid solar systems: 2 GW

The target of grid connected solar power was revised in 2015 from 20 GW to 100 GW.

(b) Year-wise targets for grid connected solar power capacity installation are given below:—

Year/ Category	Rooftop Solar (in MW)	Large Scale Solar Power Projects (in MW)	Total (in MW)
2015-16	200	1,800	2,000
2016-17	4,800	7,200	12,000
2017-18	5,000	10,000	15,000
2018-19	6,000	10,000	16,000
2019-20	7,000	10,000	17,000
2020-21	8,000	9,500	17,500
2021-22	9,000	8,500	17,500
TOTAL	40,000	57,000	97,000*

*3,743 MW commissioned upto 2014-15.

In order to achieve the targets, Government has launched following schemes:—

- (i) Solar Park Scheme for setting up of over 25 Solar Parks and Ultra Mega Solar Power Projects targeting over 20,000 MW of solar power projects (Target capacity recently enhanced to 40,000 MW).

- (ii) Scheme for setting up 1000 MW of Grid-Connected Solar PV Power Projects by Central Public Sector Undertakings (CPSUs) and various Government of India organisations with Viability Gap Funding (VGF).
- (iii) Scheme for setting up 300 MW of Grid-Connected Solar PV Power Projects by Defence Establishments and Para Military Forces with VGF.
- (iv) Pilot-cum-demonstration projects for development of grid connected solar PV power plants on canal banks and canal tops.
- (v) Bundling Scheme - 15,000 MW grid-connected solar PV power plants through NTPC Ltd./NVVN.
- (vi) VGF Scheme for setting up of 2,000 MW of Grid Connected Solar PV Power Projects through SECI.
- (vii) VGF Scheme for setting up of 5,000 MW of Grid Connected Solar PV Power Projects through SECI.
- (viii) Installation of Grid Connected Solar Rooftop Power Plants.

(c) In order to achieve the target of one lakh MW power through grid connected solar energy by the end of 2022, the overall investment is expected to be around ₹ 5,00,000 crores (estimated @ ₹ 5 crore per MW). Most of the investment in solar sector comes from private sector. This apart, projects are taken up by Public Sector Undertakings e.g. Solar Energy Corporation of India, National Thermal Power Company Ltd., Coal India Ltd. etc. and the State Governments utilizing their own resources.

NRE programmes in Telangana and Andhra Pradesh

879. DR. K.V.P. RAMACHANDRA RAO: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

- (a) the details of New and Renewable Energy (NRE) programmes in the two Telugu speaking States of Telangana and Andhra Pradesh; and
- (b) the number of projects initiated under solar and wind energy in the two States?

THE MINISTER OF STATE OF THE MINISTRY OF NEW AND RENEWABLE ENERGY (SHRI PIYUSH GOYAL): (a) The details of new and renewable energy