

- (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

programmes being implemented in Andhra Pradesh and Telangana States are given in the Statement (*See below*).

(b) The details of Wind and Solar power capacity commissioned in the States of Andhra Pradesh and Telangana are as follows:—

State	Wind Power	Solar Power
Andhra Pradesh	3706.17	2010.37
Telangana	100.80	1388.79

***Statement***

*Details of major Renewable Energy Schemes / Programmes being implemented in Andhra Pradesh and Telangana*

**1. Grid Interactive Renewable Energy Programme:**

- (i) **Solar Power:** Grid-interactive -Solar Thermal and SPV power generation plants, Solar Roof Top programme, Development of Solar Parks.
- (ii) **Wind Power:** MW-scale Wind projects at potential wind sites.
- (iii) **Small Hydro Power:** Small hydro power plants up to 25 MW capacity- canal based.
- (iv) **Bio-power:** Biomass power from surplus agriculture and other Biomass residues, Bagasse Cogeneration projects in sugar mills.
- (v) **Waste to Energy:** Projects for recovery of energy from urban, industrial and agriculture waste.

**2. Off-Grid/ Distributed and Decentralized Renewable Energy Programme:**

- (i) **Solar Power:** To promote the solar devices such as Solar Lighting Systems, Solar Pumps, Solar Power Packs and Concentrated Solar Technology systems.
- (ii) **Biomass (non-bagasse) Cogeneration:** For captive power generation and thermal application in Industries.
- (iii) **Biogas programme:** Setting up of Family Type biogas plants for cooking/ lighting/ manure/ small scale power generation.