

GOVERNMENT OF INDIA  
MINISTRY OF NEW AND RENEWABLE ENERGY  
**LOK SABHA**  
**UNSTARRED QUESTION NO-5060**  
ANSWERED ON-25.03.2021

**SCHEMES TO PROMOTE SOLAR AND WIND ENERGY**

5060. SHRI PRATHAP SIMHA

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

- (a) the details of the schemes promoting solar and wind energy along with the quantum of funds that have been allocated for the same;
- (b) whether the Government has conducted any study or survey to evaluate the total potential of solar and wind energy in the country; and
- (c) if so, the details thereof?

**ANSWER**

THE MINISTER OF STATE (I/C) FOR NEW & RENEWABLE ENERGY, POWER and MoS for SKILL DEVELOPMENT AND ENTREPRENEURSHIP

(SHRI R.K. SINGH)

(a) The details of schemes under implementation for promoting solar and wind energy along with the funds allocated in the current financial year are given in **Annexure**.

(b)&(c) Yes, Sir. The potential of solar power in the country has been assessed at around 750 GW by National Institute of Solar Energy (NISE). The potential of wind power in the country has been assessed at 302.25 GW and 695.50 GW at 100 meter and 120 meter above ground level respectively by National Institute of Wind Energy (NIWE).

\*\*\*\*\*

**ANNEXURE REFERRED TO IN REPLY TO PART (A) OF LOK SABHA  
UNSTARRED QUESTION NO. 5060 FOR 25.03.2021**

**DETAILS OF SCHEMES FOR PROMOTING SOLAR AND WIND ENERGY  
ALONGWITH THE FUNDS ALLOCATED THEREUNDER IN THE CURRENT  
FINANCIAL YEAR**

**(I) DETAILS OF SOLAR SCHEMES:**

The Government is implementing various schemes for promotion of solar energy in the country. These include the following:

- i. Solar Park Scheme for setting up of Solar Parks of 40,000 MW total capacity;
- ii. Scheme for setting up of Grid-Connected Solar PV Power Projects of 12000 MW by the Central Public Sector Undertakings (CPSUs) and Government of India organisations with Viability Gap Funding (VGF);
- iii. Installation of Grid Connected Solar Rooftop Power Plants;
- iv. Scheme for Off-Grid Solar PV Systems;
- v. Pradhan Mantri – Kisan Urja Suraksha evam Utthaan Mahabhiyan (PM-KUSUM) Scheme to support farmers to set up small solar power projects and solar pumps for irrigation purpose.
- vi. Setting up of solar PV capacity of 20 MWac/ 50 MWp with battery storage of 50 MWh at Phyang, Leh and 1 MW solar-wind hybrid plant with battery storage of 1 MWh at Nyoma under J&K Prime Minister Development Package (PMDP) – 2015
- vii. Solarisation of Sun Temple Town of Modhera in Mehsana District, Gujarat; and
- viii. Installation of Grid-connected Solar Project and various Off-grid Applications for 100% Solarization of Konark Sun Temple and Konark Town.

An amount of Rs. 1776.24 Crore have been allocated in the current financial year 2020-21 for solar programmes in the country.

**(II) DETAILS OF SCHEMES FOR WIND ENERGY:**

At present, there is no scheme to provide budgetary support for wind energy projects. However, the Government is promoting wind power projects by providing incentives such as Accelerated Depreciation benefit to such projects and concessional customs duty exemption on certain components of wind electric generators. Besides, Generation Based Incentive (GBI) is being provided to wind projects commissioned before 31 March 2017 for which an amount of Rs. 1059.35 crore has been allocated in current financial year, i.e. 2020-21.

\*\*\*\*\*