

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

STARRED QUESTION NO:147

ANSWERED ON:05.03.2015

SOLAR ENERGY

Jaiswal Dr. Sanjay;Patil Shri Shivaji Adhalrao

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

- (a) the present capacity of green energy, State/ UT-wise;
- (b) whether the Government proposes to add 1,00,000 MW of solar energy capacity by 2022 and if so, the details thereof including plan of action contemplated to achieve the target;
- (c) whether the Government proposes to attract \$200 billion investment in the sector for the purpose;
- (d) if so, the details thereof including the details of domestic and international companies along with investment committed in the sector; and
- (e) the steps taken/being taken by the Government to encourage investors/companies and to tap the potential of green energy?

**Answer**

THE MINISTER OF STATE FOR POWER, COAL & NEW AND RENEWABLE ENERGY (INDEPENDENT CHARGE) (SHRI PIYUSH GOYAL)

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

Statement referred to in reply to Parts (a), (b), (c), (d) & (e) of Lok Sabha Starred Question No. 147 for 05th March, 2015 regarding Solar Energy

(a): The present capacity of Green Energy, State/ UT-wise is at Annexure-I.

(b): Yes, Madam. The Government has a proposal to scale up Grid Connected Solar Power Projects from 20,000 MW to 1,00,000 MW by 2022 under National Solar Mission (NSM) subject to availability of finance, demand from States to buy renewable energy and up gradation of grid capacity. Action plan proposed consists of 40000 MW in rooftop category, 20000 MW through unemployed youth and another 40000 MW through solar parks and other projects.

(c): In order to achieve the proposed capacity of 1,00,000 MW of Solar Power, the investment required would be around \$ 100 billion (@ Rs. 6 Cr./MW). However, the entire Renewable Energy Sector is expected to absorb around \$ 200 billion investment.

(d): The Ministry of New Renewable Energy had organized 1st Global Renewable Energy Investors Promotion Meet (RE-INVET 2015) during 15-17th February, 2015. As part of RE-INVEST 2015 initiative, 387 companies/firms (both private and public sector) have submitted Green Energy Commitment Certificates, aggregating to more than 270 GW power generation capacity during the next five years. A list of companies who have submitted the GEC as on 27.2.2015 is attached at Annexure-II. The list of Banks who have committed to fund bankable renewable projects and the extent of commitments is at Annexure-III.

(e): The steps taken by the Government to encourage investors and companies and to tap the potential of Green Energy are as under:

i. Government of India had launched Jawaharlal Nehru National Solar Mission (JNNSM) on 11th January, 2010. The Mission targets deployment of 20,000 MW of grid connected solar power by 2022 in three phases.

ii. Grant of subsidy on off-grid applications.

iii. Provision for renewable purchase obligation for solar has been made in the National Tariff Policy.

iv. Provision for Concessional Import duty/Excise duty exemption, accelerated depreciation and tax holiday for setting up of solar power plants.

v. Facility for bundled power for Grid Connected Solar Projects through various interventions announced from time to time.

vi. Awareness programmes such as exhibitions, training workshops etc. are being conducted.

- vii. Several R&D efforts have been initiated for new technologies and improvement in efficiency of solar panels.
- viii. Foreign direct investment is permitted in the automatic route.
- ix. Investment in rooftop solar is considered as a part of housing loan/house improvement loan by all banks including private banks.