

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 747
ANSWERED ON 07/12/2023

DEPENDENCE ON RENEWABLE ENERGY SOURCES

747. SHRI NARANBHAI KACHHADIYA
SHRI DEVJI M. PATEL

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

- (a) whether the Government has saved 5.2 billion dollar in fossil fuel costs through increased use of solar energy during the last six months and if so, the details thereof;
- (b) the details of the targets set and steps taken to fulfill the energy demand and increase dependency on renewable energy sources; and
- (c) the efforts being made by the Government to increase awareness about the use of renewable energy?

ANSWER

THE MINISTER OF NEW & RENEWABLE ENERGY AND POWER

(SHRI R.K. SINGH)

- (a) No such assessment has been carried out by Government.
- (b) & (c) The Government has set a target of achieving 500 GW of installed capacity from non-fossil fuels by 2030, in line with the Hon'ble Prime Minister's announcement at CoP-26.

Efforts have been made by the Government to increase awareness about the use of renewable energy through introduction of various schemes and publicity through print and media. The list of schemes introduced are given at **Annexure-I**

ANNEXURE-I REFERRED TO IN REPLY TO PART (b) & (c) OF LOK SABHA

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Details of the ongoing major Renewable Energy Schemes / Programmes

1. Scheme for Development of Solar Parks and Ultra-mega Solar Power Projects with a target of setting up 40,000 MW capacity. Under the scheme, the infrastructure such as land, roads, power evacuation system water facilities are developed with all statutory clearances/approvals. Thus, the scheme helps expeditious development of utility-scale solar projects in the country.
2. Central Public Sector Undertaking (CPSU) Scheme Phase-II (Government Producer Scheme) for setting up grid-connected Solar Photovoltaic (PV) Power Projects by Government Producers, using domestically manufactured solar PV cells and modules, with Viability Gap Funding (VGF) support, for self-use or use by Government/ Government entities, either directly or through Distribution Companies (DISCOMS).
3. Production Linked Incentive scheme 'National Programme on High Efficiency Solar PV Modules' for achieving manufacturing capacity of Giga Watt (GW) scale in High Efficiency Solar PV modules (Tranche- I & II).
4. PM-KUSUM Scheme to promote small Grid Connected Solar Energy Power Plants, stand-alone solar powered agricultural pumps and solarisation of existing grid connected agricultural pumps. The scheme is not only beneficial to the farmers but also States and DISCOMs. States will save on subsidy being provided for electricity to agriculture consumers and DISCOMs get cheaper solar power at tail end saving transmission and distribution losses.
5. Rooftop Solar Programme Phase II for grid connected solar rooftop power plants. Under this Programme, subsidy is provided for residential sector and performance linked incentives to DISCOMs for achieving capacity addition in rooftop solar above baseline.
6. Green Energy Corridors (GEC): to create intra-state transmission system for renewable energy projects. Central Financial Assistance (CFA) is provided to set up transmission infrastructure for evacuation of Power from Renewable Energy projects in total ten States (considering both the phases of GEC).
 - (i) Intra-State Transmission System Green Energy Corridor Phase-I

(ii) Intra-State Transmission System Green Energy Corridor Phase-II

7. Bio-Energy Programme:

- Waste to Energy Programme : Programme on Energy from Urban, industrial and Agricultural Wastes/Residues
- Biomass Programme: Scheme to Support Manufacturing of Briquettes & Pellets and Promotion of Biomass (non-bagasse) based cogeneration in Industries.
- Biogas Programme : for promotion of family type Biogas plants

8. Renewable Energy Research and Technology Development (RE-RTD) Programme (Support Programme).

9. Human Resource Development Scheme with components such as short term trainings & skill development programmes, fellowships, internships, support to lab upgradation for RE and renewable energy chair.

10. National Green Hydrogen Mission launched with an outlay of Rs. 19,744 crore with aim to make India a Global Hub for production, utilization and export of Green Hydrogen and its derivatives.