

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 3129
ANSWERED ON 19/03/2025

ADDRESSING ENERGY PROBLEMS THROUGH RENEWABLE ENERGY

3129. SHRI VISHNU DAYAL RAM

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

- (a) whether there are specific renewable energy projects targeting the reduction of energy problems in underserved regions;
- (b) if so, the details thereof and if not, the reasons therefor; and
- (c) the details of role played by the renewable energy in achieving the target of Sustainable Development Goal (SDG)-7 in India, specifically in relation to universal energy access?

ANSWER

THE MINISTER OF STATE FOR NEW & RENEWABLE ENERGY AND POWER

(SHRI SHRIPAD YESSO NAIK)

(a) & (b) The Ministry of New & Renewable Energy is implementing various schemes and programmes for promotion of Renewable Energy which includes providing energy access in underserved areas. Details of such schemes/ programmes are given at **Annexure**.

(c) In line with Hon'ble Prime Minister's announcement at COP26, Ministry of New and Renewable Energy is working towards achieving 500 GW of installed electricity capacity from non-fossil sources by 2030. As on 28.02.2025, a total of 214.68 GW Renewable energy capacity has been installed in the country which includes 102.57 GW solar power, 48.59 GW wind power, 11.45 GW bio-power and 52.07 GW hydro power. This has a share of more than 45% of total installed generation capacity in the country.

**Annexure referred to in reply of parts (a) & (b) of the Lok Sabha Unstarred Question
No. 3129 to be answered on 19.03.2025**

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. PM-Surya Ghar: Muft Bijli Yojana for installing rooftop solar and providing free electricity up to 300 units every month for One Crore households.
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. Central Public Sector Undertaking (CPSU) Scheme Phase-II (Government Producer Scheme) for setting up 12,000 MW 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).
6. 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.
7. 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 in eight States
 - (ii) Green Energy Corridor Phase-II
 - a) Intra-State Transmission System in Seven States
 - b) Inter-State Transmission System for 13 GW RE Projects in Ladakh

8. Viability Gap Funding (VGF) Scheme for Offshore Wind Energy Projects for installation and commissioning of 1 GW of Offshore Wind Energy Projects (500 MW each off the coast of Gujarat and Tamil Nadu), also for upgradation of two ports to meet logistics requirements for offshore wind energy projects.
9. 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
10. New Solar Power Scheme (for Tribal and PVTG Habitations/Villages) under Pradhan Mantri Janjati Adivasi Nyaya Maha Abhiyan (PM JANMAN) and Dharti Aabha Janjatiya Gram Utkarsh Abhiyan (DA JGUA) with a provision for providing off-grid Solar Lighting where electricity supply through grid is not techno-economically feasible.