

 **Schemes and programmes supported by Ministry of New and Renewable Energy**

Rajya Sabha

Details of the major schemes / programmes supported by the Ministry of New and Renewable Energy are as follows:

1. GRID-INTERACTIVE/ OFF-GRID RENEWABLE POWER:

- Wind Power: MW-scale Wind Farms/Aero generators/ Hybrid Systems
- Bio-power: Biomass power/Bagasse cogeneration; non-bagasse cogeneration; Biomass gasifiers for rural/industrial energy; U&I Wastes to energy
- Small Hydro Power: Small hydro power plants upto 25 MW capacity; Watermills/Micro hydel plants
- Solar Power: Grid-interactive -Solar Thermal and SPV plants, SPV Roof-top Systems for abatement of diesel power in urban areas

2. RENEWABLE ENERGY FOR RURAL APPLICATIONS:

- Remote Village Electrification Programme : provision of lighting/ electricity in the unelectrified remote villages/ hamlets
- Village Energy Security Test Projects: meeting village energy requirements through locally available renewable resources, mainly biomass.
- Biogas Programme: setting up of Family Type biogas plants for cooking/ lighting/ manure/ small scale power generation
- Solar Thermal Systems: deployment of decentralized solar thermal systems/ devices, mainly solar cookers / driers for cooking, drying farm produce.

3. RENEWABLE ENERGY FOR URBAN, INDUSTRIAL & COMMERCIAL APPLICATIONS:

- Biomass (non-bagasse) based cogeneration and Wastes to Energy projects- *(reflected under off-grid/ distributed renewable power under 1 above)*
- Solar water heating systems - for domestic, institutional, commercial/ industrial applications
- Solar air heating/ steam generation systems - for community cooking/other applications in institutions and industry.

- Geen Buildings - incorporating active systems and passive designs
- Solar Cities - for reducing their conventional energy consumption through energy conservation and use of renewable energy devices/ systems
- SPV systems/ devices - for demonstration/ awareness creation- SPV street lights, SPV street light control systems, SPV traffic signals, SPV hoardings, SPV power packs, etc..
- Akshay Urja Shops - to make available solar energy products and provide after-sales service.

4. RESEARCH, DESIGN & DEVELOPMENT:

- Supporting research and development projects at premier institutions and industries on different aspects of new and renewable energy technologies.

The Government has taken several steps and measures to popularize and encourage renewable energy schemes / programmes in the country which include Fiscal and financial incentives, such as, capital/ interest subsidy, accelerated depreciation, nil/ concessional excise and customs duties; Preferential tariff for grid interactive renewable power in most potential States; Benefit under Section 80-1A of Income Tax Act 1961 to undertakings setup for the generation or generation and distribution of renewable power; Directives under Electricity Act 2003 to all States for fixing a minimum percentage for purchase of power from renewable energy sources; Support for sector specific seminars/ workshops/ training programmes; Extensive publicity and awareness on the use of renewable energy systems/ devices through print and electronic media; and Organizing special events like the Rajiv Gandhi Akshay Urja Diwas.

This information was given by Shri Farooq Abdullah, Union Minister for New and Renewable Energy, in a written reply in Rajya Sabha today.