

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

UNSTARRED QUESTION NO:2664
ANSWERED ON:04.12.2009
RENEWABLE ENERGY PROJECTS
Rathwa Shri Ramsinhbhai Patalbhai

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

- (a) the details of programmes and schemes formulated by the Government for the setting up of renewable energy plants in the country during the Eleventh Five Year Plan;
- (b) whether a number of proposals from the State Governments including Gujarat for the setting up of such plants are pending for approval with the Government; and
- (c) if so, the time by which the remaining proposals are likely to be sanctioned?

Answer

THE MINISTER FOR NEW AND RENEWABLE ENERGY (DR. FAROOQ ABDULLAH)

(a) : Details of the programmes / schemes formulated by the Government for the setting up of various renewable energy systems/ plants in the country during the Eleventh Five Year Plan period are given in the Annexure.

(b) & (c): The setting up of renewable energy projects falls within the competence of State Governments to approve and does not require prior techno-economic clearance/ approval of the Union Government. No proposals in this regard from State Governments, including Gujarat are pending with the Ministry. Generally, proposals are received for grant of central financial assistance under the Ministry's schemes/ programmes on an ongoing basis through State Governments/ designated State Nodal Agencies. At times, these proposals are found to be incomplete or not in line with the provisions of the schemes/ programmes. Complete proposals in line with the provisions of schemes/ programmes are considered and approved immediately, subject to the budget provisions.

Annexure

Annexure referred to in reply to part (a) of Lok Sabha Unstarred Question No.2664 for 04.12.2009 regarding Renewable Energy Projects.

Details of the renewable energy programmes/ schemes formulated by the Government

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.

Green 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.