

Small hydro power generation systems, biomass gasification based electricity generation systems, solar photovoltaic power plants etc. in distribution power generation mode need to be used depending upon the availability of resources for generation of required electricity. There is a need for creation of proper repair and maintenance systems for Renewable Power Infrastructure.

- Solar Lanterns and Solar Chulhas may be made available to the rural poor and there by discourage use of subsidized kerosene. This may be taken up as a pilot project in certain districts.
- Power from renewable energy is a new frontier in the emerging market economy of energy, but the sector is beset with high cost issues, uncertainties and risks. A separate Risk Guarantee Fund for Renewable Energy Projects should be created out of the clean Energy Fund without any delay.
- Government must encourage innovation to develop indigenous technology in this field of renewable energy and should enhance funding towards Research and Development in a time bound manner, so that setting up of commercial plants to produce renewable energy could be materialized.

Power generation targets

2678. SHRI GARIKAPATI MOHAN RAO: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) whether Government has set any targets to generate power from new and renewable energy sources for the next five years;

(b) if so, the details thereof;

(c) whether Government has proposed or proposes to prepare a vision document in this regard; and

(d) if so, the details thereof ?

THE MINISTER OF STATE OF THE MINISTRY OF NEW AND RENEWABLE ENERGY (SHRI PIYUSH GOYAL): (a) and (b) The Ministry of New and Renewable Energy has set a target of capacity addition of 29,800 MW from various renewable energy sources during Twelfthth Plan period. The target comprises of 15,000 MW from wind, 10,000 MW from solar, 2,100 MW from small hydro and 2,700 MW from bio-power.

(c) and (d) The Ministry of New and Renewable Energy has prepared a strategic plan for New and Renewable Energy Sector in the year 2011 which has indicated a cumulative installed capacity of renewable power to about 72,000 MW by 2022.