

**GOVERNMENT OF INDIA
NON-CONVENTIONAL ENERGY SOURCES
LOK SABHA**

UNSTARRED QUESTION NO:4505

ANSWERED ON:18.12.2000

POWER GENERATION THROUGH NON CONVENTIONAL ENERGY SOURCES

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Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

- (a) the areas in the country where there is immense potential of power generation through the non-conventional energy sources is available;
- (b) whether power generation plants have been set up in some of such areas;
- (c) if so, the details thereof;
- (d) whether cooperation of any private company is also being sought in this regard; and
- (e) if so, the details thereof?

Answer

MINISTER OF STATE FOR NON-CONVENTIONAL ENERGY SOURCES(INDEPENDENT CHARGE) (SHRI M. KANNAPPAN)

(a): There is potential to generate power from non-conventional energy sources throughout the country depending upon the availability of the resource, namely, solar, wind, biomass and small hydro. The following total potential has been estimated :-

| | |
|-------------------|----------------|
| Wind Power | - 45,000 MW |
| Biomass Power | - 19,500 MW |
| Small Hydro Power | - 15,000 MW |
| Waste to Energy | - 1,700 MW |
| Solar Power | - 35 MW/Sq.Km. |

(b) & (c) : A total capacity of 2842 MW has been set up so far based on non-conventional energy sources. These projects have mainly come up in the States of Andhra Pradesh, Gujarat, Himachal Pradesh, Jammu & Kashmir, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Punjab, Tamil Nadu, Uttar Pradesh and West Bengal.

(d) & (e) : Yes, Sir. Fiscal and financial incentives and soft loans are available; and, conducive policies have also been announced by several States to attract private sector participation. Wind power, biomass power and bagasse cogeneration projects have mainly been set up as commercial projects through private investments. The private sector has also shown considerable interest in setting up small hydro power projects.