

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

UNSTARRED QUESTION NO:752  
ANSWERED ON:02.12.1999  
PRODUCTION OF NON CONVENTIONAL ENERGY  
SULTAN SALAHUDDIN OWAISI

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

- (a) whether the NCES are able to give a helping hand to the growing demand of power in the country;
- (b) if so, the total energy produced during each of the last three years in the country;
- (c) whether the Government propose to give more concessions to the people to adopt solar power and wind power in rural areas as energy sources;
- (d) if so, the details thereof; and
- (e) the steps taken for making optimum use and extraction of solar energy and wind energy?

**Answer**

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

(a) & (b): Yes Sir. The Non-Conventional Energy Sources are a supplementary sources of energy and are able to contribute to the growing demands of power in the country. The total energy produced from Non-Conventional Energy Sources during the last three years in the country i.e. 1996-97, 1997-98 & 1998-99, is given in Annexure-I.

(c), (d) & (e): To encourage the use of various non-conventional energy sources systems / devices in the area of wind and solar energy sector, the Government has been providing various financial concessions and fiscal incentives as per the details given at Annexure-II.

Annexure-I Annexure-I referred to in reply to part-(a) & (b) of the Lok Sabha Unstarred Question No.752 for 2.12.99 regarding production of non-conventional energy.

Details of energy produced through various non-conventional energy sources in the country during the last three years i.e from 1996-97 to 1998-99

Sl.No.	Sources	Unit	Estimated Energy Generation		
			1996-97	1997-98	1998-99
1	Wind Power	Million units	878	988	1065
2	Small Hydro Power	Million units	300	330	410
3	Biomass Co-generation	Million units	116	166	174
4	Energy from Urban & Industrial Wastes	Million units	3.95	16.32	20.40
5	Biomass Gasifier	Million units	2.57	4.78	5.92
6	Solar Photovoltaic Power	Lakh KWh	1.00	9.00	9.00
7	Solar Photovoltaic	Lakh KWh	8.20	9.91	11.87
8	Solar Thermal Water Heating System	Million KWh	300	330	360
9	Energy Saved through SPV Pumps & Wind Pumps	Million units	4.10	6.02	7.93

Annexure-II referred to in reply to part-(c) (d) & (e) of the Lok Sabha Unstarred Question No.752 for 2.12.99 regarding production of non-conventional energy.

Details of Financial Concessions and Fiscal Incentives provided under Solar & Wind Energy Programmes of the Ministry of Non-Conventional Energy Sources.

