

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

UNSTARRED QUESTION NO:1720
ANSWERED ON:14.03.2002
SOLAR ENERGY PROJECT
CHANDRAKANT BHURAO KHAIRE

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

- (a) the locations where solar energy projects are functioning at present, State-wise ;
- (b) whether these projects are being utilized for providing electricity to each State & Union Territory ; and
- (c) if so, the details thereof with special reference to Maharashtra and if not, the action proposed to be taken in the matter?

Answer

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

(a),(b)&(c): Solar Energy can be utilized for generating electricity through the photovoltaic conversion route. The Government is implementing a Solar Photovoltaic (SPV) programme in all states, including the State of Maharashtra. Under the programme, different types of SPV systems such as solar lanterns, solar home lighting systems, street lighting systems, water pumping systems and stand alone and grid - connected power plants are being installed. In addition, some States and NGOs are also implementing their own programmes. So far, 4,36,822 solar lanterns, 1,89,761 solar home lighting systems, 42,972 street lighting systems, 4,370 solar water pumping systems and 3,537 kWp SPV power plants and other systems have been installed all over the country. State-wise details of these systems and power plants are given in the Annexure. Solar power systems are also used in sectors such as railways, tele-communications, broadcasting, oil, gas and defence. It has been estimated that SPV systems and power plants of about 53 MWp aggregate capacity have been deployed all over the country in different sectors for lighting, water pumping, telecommunication, and other industrial and commercial applications. In the State of Maharashtra, 7,183 solar lanterns, 541 solar home lighting systems, 3,288 street lighting systems, 160 solar water pumping systems and SPV power plants of about 190kWp aggregate capacity have been installed as on 28.02.2002.