

1	2	3	4	5	6
19.		R.L. Clean Power Private Ltd.	1	PV	Marakathoor Village, Kalayarkoil Taluk, Sivaganga Distt: Tamil Nadu
20.	West Bengal	West Bengal Green Energy Development Corporation Ltd.	1	PV	Seebpore Power Station of DPSC Ltd., Block Jamuria, Asansol, West Bengal
TOTAL :			45.5		

#### Solar energy potential

2894. DR. K.V.P. RAMACHANDRA RAO: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

- (a) whether it is a fact that solar power has the potential to meet 7 per cent of the energy requirements of the country;
- (b) if so, the details thereof;
- (c) to what extent it has been tapped, so far; and
- (d) what steps are being taken in this regard?

THE MINISTER OF NEW AND RENEWABLE ENERGY (DR. FAROOQ ABDULLAH): (a) and (b) Yes, Sir. India has good potential for solar power as it receives solar energy equivalent to over 5,000 trillion kWh per year, which is far more than the total energy consumption of the country. The daily average solar energy incident varies from 4-7 kWh per square meter of the surface area depending upon the location and time of the year. Solar radiation is available at most locations in the country for about 300 days in a year.

A study published by KPMG, a global consulting company, in May, 2011 has forecast that solar power can meet 5-7% of India's total power requirements by 2021-22.

(c) Total installed capacity of grid connected solar power plants as on date is 45.5 MW.

(d) The Government has launched Jawaharlal Nehru National Solar Mission in January, 2010, which aims to set up 20,000 MW grid solar power by 2022 in addition to 2,000 MW of off-grid solar power. Deployment of solar power is, thereafter, expected to increase rapidly due to declining prices of solar power, indigenization and technology improvements.