

**GOVERNMENT OF INDIA
NEW AND RENEWABLE ENERGY
LOK SABHA**

UNSTARRED QUESTION NO:3436
ANSWERED ON:30.08.2013
LAND REQUIREMENT FOR SOLAR PLANTS
Ajay Kumar SHRI

Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

- (a) whether large land requirement remains a limiting factor for setting up of Solar Power Plants;
- (b) if so, whether the Government proposes to utilize vast degraded areas left over by abandoned mines in Jharkhand and adjoining States for solar power plants; and
- (c) if so, the details thereof?

Answer

MINISTER FOR NEW AND RENEWABLE ENERGY (DR. FAROOQ ABDULLAH)

- (a): The setting up of Solar Power Plants requires open shadow free land/ space of around 6-10 sq. m. per kW (for small, kW-scale plants) and around 2-3 ha/MW (for large, MW-scale plants) depending upon geographical location and technology used. The space requirement may not pose a problem in case of small capacity/ SPV roof-top plants or in areas where considerable desert/ barren/ waste land is available but could be a limiting factor for setting up large capacity plants in areas where availability of large areas of waste-land is limited.
- (b): The Ministry has not received any such proposal from the Government of Jharkhand or its adjoining States.
- (c): Does not arise.