

GOVERNMENT OF INDIA  
MINISTRY OF NEW AND RENEWABLE ENERGY  
**LOK SABHA**  
**UNSTARRED QUESTION NO. 4744**  
ANSWERED ON 31.03.2022  
GLOBAL SOLAR GRID

4744. COL. RAJYAVARDHAN RATHORE

Will the Minister of New and Renewable Energy be please to state:

- (a) whether the Government is in talks with other countries towards developing a global solar grid;
- (b) if so, the details thereof and if not, the reasons therefor;
- (c) whether the Government is conducting scientific research and looking into the possibilities of taking up solar energy directly from the atmosphere of the earth and if so, the details thereof;
- (d) whether the Government has constituted any international inter governmental and scientific panels to look into the feasibility and possibility of a global solar grid and if so, the details thereof;
- (e) whether the Indian Space Research Organization is collaborating with experts in the renewable energy field from India and abroad to conduct studies and innovate in the area of a global solar grid; and
- (f) if so, the details thereof?

**ANSWER**

**THE MINISTER OF NEW & RENEWABLE ENERGY AND POWER**

**(SHRI R.K. SINGH)**

(a)&(b) The Government is conducting a study for developing the long-term vision, implementation plan, road map and institutional framework for implementing a global grid named as One Sun One World One Grid (OSWOWOG).

At Glasgow on 02-11-2021, during COP26, a One Sun Declaration was issued by India and 88 other countries. To help deliver the vision of OSOWOG, it was resolved to combine efforts and create an inter-connected global grid. This will, inter-alia, include building long distance cross-border transmission lines to connect renewable energy generators and demand centres across continents.

(c) The Ministry of New & Renewable Energy has not initiated any research on taking up solar energy directly from the atmosphere of the earth.

(d) India and United Kingdom have jointly written to USA, Australia, African Union, France, Germany and Oman to participate in the Ministerial Steering Group for the global “Green Grids Initiative – One Sun One World One Grid”.

(e) & (f): No, Sir.

\*\*\*\*\*

