

GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCES
RAJYA SABHA
UNSTARRED QUESTION No. 1301
ANSWERED ON 28/07/2022

WEATHER FORECAST CENTRES FOR RENEWABLE ENERGY

1301. SHRI V. VIJAYASAI REDDY:

Will the Minister of EARTH SCIENCES be pleased to state:

- (a) whether Government proposes to develop weather forecast approaches that are suitable to the needs of renewable energy sectors like solar and wind energy;
- (b) if so, the details thereof;
- (c) whether any such forecast centers are proposed to be set up in States that are heavily involved in renewable energy generation such as Andhra Pradesh; and
- (d) if so, the details thereof ?

ANSWER

THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR
MINISTRY OF SCIENCE AND TECHNOLOGY
AND EARTH SCIENCES
(DR. JITENDRA SINGH)

- (a)-(b) Yes Sir. There is increasing demand for the model based weather data in recent years, particularly from the Renewable Energy (RE) (Wind and Solar energy) sector. Weather data and products generated using numerical models by National Centre for Medium Range Weather Forecasting (NCMRWF), Indian Institute of Tropical Meteorology (IITM) and India Meteorological Department (IMD) are being used for applications in different sectors of the economy by different agencies (both private/ public agencies and government departments) in India. These institutions are working closely with other government agencies like National Institute of Wind Energy (NIWE) under Ministry of New and Renewable Energy (MNRE), Tamil Nadu (State Load Dispatch Centre) and Power System Operation Corporation Limited (POSOCO) for use of weather data in forecasting of Wind Energy and Solar Energy.
- (c) No forecast centres are proposed to be set up for renewable energy generation.
- (d) Doesn't arise.
