

**GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCES
LOK SABHA
UNSTARRED QUESTION NO. 667
TO BE ANSWERED ON WEDNESDAY, 23RD JULY, 2025**

WIND TURBINES IN GENERATING WATER

667. Ms MAHUA MOITRA:

Will the Minister of EARTH SCIENCES be pleased to state:

- (a) whether the Government is considering to use the Wind Turbines in generating water from moisture in air for coastal areas and separating oxygen from air for larger societal benefit; and
- (b) if so, the details thereof and if not, the reasons therefor?

ANSWER

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

- (a) & (b) The Electricity produced from Wind Turbines can be utilized to generate water from moisture in air through condensation process. However, this technology is still at a nascent R&D stage. Suitable proposals in this area are considered under the Renewable Energy Research and Technology Development (RE-RTD) Program of the Ministry of New and Renewable Energy. National Institute of Ocean Technology under Ministry of Earth Sciences has developed on experimental basis, an Air conditioner cum Water generator system capable of generating 100 litres of fresh water per day, while serving as a normal air conditioner. The system works on the principle that in the process of cooling air, water vapour present in the air is also condensed to produce water. The system can be powered using electricity produced from wind turbines.
