

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 2238

ANSWERED ON 12/03/2025

LAND AVAILABILITY FOR INSTALLING RENEWABLE ENERGY PROJECTS

2238. SHRI TATKARE SUNIL DATTATREY

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

- (a) the land available for installing renewable energy projects in the country;
- (b) whether it is true that agri-photovoltaic(PV) could potentially increase land efficiency and enable expansion of PV power while preserving fertile soils for agriculture or in combination with the creation of species-rich ecosystems;
- (c) if so, the details thereof and the steps taken by Government to introduce agri photovoltaic in India;
- (d) whether the Government is considering to locate solar photovoltaic projects on abandoned thermal power plant sites; and
- (e) if so, the details thereof?

ANSWER

THE MINISTER OF STATE FOR NEW & RENEWABLE ENERGY AND POWER

(SHRI SHRIPAD YESSO NAIK)

(a) The Ministry has set the target of 500 GW by 2030, which would require 0.3 million hectares of land. With a total land area of around 329 million hectares in India, it is estimated that it is not an immediate constraint.

(b)to(c) Yes. Reports by institutes like Central Arid Zone Research Institute (CAZRI), Jodhpur have found that Agri PV has led to significant improvement in irrigation and consequent land efficiency due to reduced evapotranspiration and preserving fertile soils.

Currently Component A of the PM KUSUM scheme allows for setting up of decentralized ground mounted grid connected solar power plants in stilt fashion (also known as Agrivoltaics) by farmers on their land.

(d) to (e) No proposal under consideration.
