

**GOVERNMENT OF INDIA
MINISTRY OF CIVIL AVIATION
LOK SABHA
UNSTARRED QUESTION NO. : 3123
(To be answered on the 7th August 2025)**

INSTALLATION OF SOLAR PANELS AT AIRPORTS

3123. SHRI ANUP SANJAY DHOTRE

Will the Minister of CIVIL AVIATION

नागर विमानन मंत्री

be pleased to state:-

- (a) whether the Government has taken any steps to reduce carbon emissions by installing solar panels at airports across the country and if so, the details thereof;**
- (b) the total number of airports where solar panels have been installed along with the total capacity of these installations and the estimated reduction in carbon emissions achieved through this initiative;**
- (c) the total expenditure incurred by the Government for installing solar panels at airports across the country; and**
- (d) whether the Government proposes to install solar panels at other airports in the future and if so, the details thereof along with the timeline fixed for their completion?**

ANSWER

Minister of State in the Ministry of CIVIL AVIATION

नागर विमानन मंत्रालय में राज्य मंत्री

(Shri Murlidhar Mohol)

(a) to (d): Ministry of Civil Aviation (MoCA) has taken initiatives for working towards Carbon neutrality at airports in the country and organised knowledge sharing sessions to standardise Carbon Accounting and Reporting framework of Indian Airports as well as to create awareness on Climate Change mitigation. Further, all the operational airports with scheduled operations and developers of the upcoming Greenfield Airports have been advised to work towards achieving Carbon Neutrality & Net Zero which inter-alia includes use of green energy.

The airport operators including Airports Authority of India (AAI) have installed solar power plants at various locations/Airports for generation and self-consumption of green and renewable energy to encourage green energy usage at the airports. In addition, few airports are also procuring green energy through open access. Other initiatives include adoption of building

design as per Green building Standards, conversion of conventional vehicles to electric vehicles, energy efficient Heating, Ventilation and Air Conditioning (HVAC), lighting and baggage handling systems etc.

As on date, AAI has installed Solar Power Plants at 65 Airports with cumulative capacity of around 59 MW. The estimated reduction in carbon emission by installing these Solar Plants is approx. 52,300 tCo2e per annum. The installation of solar panels at airports is undertaken by the respective airport operators. Airports Economic Regulatory Authority of India (AERA) takes into consideration the Capital expenditure relating to Green Energy Projects, Carbon Neutrality etc. during the Tariff determination process of Major Airports. As on date, 88 airports are operating on 100% RE.
