

**GOVERNMENT OF INDIA  
MINISTRY OF CIVIL AVIATION  
LOK SABHA  
UNSTARRED QUESTION NO. : 466  
(To be answered on the 28<sup>th</sup> November 2024)**

**CARBON NEUTRALITY AT AIRPORTS**

**466. SHRI THARANIVENTHAN M S  
SHRI MALAIYARASAN D**

**Will the Minister of CIVIL AVIATION  
नागर विमानन मंत्री**

**be pleased to state:-**

- (a) the steps being taken by the Government to achieve carbon neutrality at airports across the country including Tamil Nadu;**
- (b) the initiatives and technologies being implemented to reduce carbon emissions in airport operations;**
- (c) the number of airports that have achieved or are working towards carbon-neutral status;**
- (d) the timeline set for achieving carbon neutrality at major airports in the country; and**
- (e) whether there are any incentives or partnerships to encourage private players to adopt sustainable practices at airports and if so, the details thereof?**

**ANSWER**

**Minister of State in the Ministry of CIVIL AVIATION**

**नागर विमानन मंत्रालय में राज्य मंत्री**

**(Shri Murlidhar Mohol)**

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**(a) to (e): Ministry of Civil Aviation (MoCA) has advised all the operational airports with scheduled operations and developers of the upcoming Greenfield Airports to work towards achieving Carbon Neutrality & Net Zero which inter-alia includes use of green energy.**

**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, airport operators with scheduled operations have been advised to map the carbon emission at their respective airports and to work towards carbon neutrality & net zero emissions in a phased manner.**

**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.,**

**Optimum use of national airspace by fully implementing the concept of Flexible Use of Airspace (FUA) has also been suggested by Ministry of Civil Aviation under the Atma Nirbhar Bharat vision. This has led to cumulative savings of approximately Rs. 868.1 crore by all reporting airlines by way of significant savings in flight time & fuel usage and also cumulative reduction of more than 188538.5 tonnes in CO2 Emission since 01 Aug 2020.**

**Since 2014, a total of 80 airports have switched over to 100% green energy usage including Chennai, Coimbatore, Trichy, Madurai and Tuticorin airports in the state of Tamil Nadu. Airports viz. Delhi, Mumbai, Hyderabad and Bengaluru have achieved Level 4+ and higher Airports International Council (ACI) accreditation and have become Carbon neutral.**

**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.**

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