

**GOVERNMENT OF INDIA
MINISTRY OF CIVIL AVIATION
RAJYA SABHA
UNSTARRED QUESTION NO : 56
(TO BE ANSWERED ON THE 21st July 2025)**

AIRPORTS OPERATING ON RENEWABLE ENERGY

56. SHRI RATANJIT PRATAP NARAIN SINGH

Will the Minister of CIVIL AVIATION be pleased to state:-

- (a) the State-wise and year-wise data on the percentage of airports operating on renewable energy and plans to expand this initiative since 2019;
- (b) the details of the way technology is being leveraged to enhance energy efficiency and optimize airport operations to reduce emissions;
- (c) the steps taken by Government to reduce the carbon footprints of airports as part of India's commitment to sustainable infrastructure development and their outcomes; and
- (d) whether any benchmarks are being used to measure the environmental performance of Indian airports compared to global standards, if so, the details thereof?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF CIVIL AVIATION

(Shri Murlidhar Mohol)

- (a) The State-wise and year-wise data on airports operating on 100% Renewable Energy (RE) is attached as Annexure-A. As on date, 88 airports are operating on 100% RE.
- (b) 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), LED lighting and baggage handling systems etc.
- (c) Ministry of Civil Aviation has taken initiatives for working towards Carbon neutrality at airports in the country and organized 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 emission in a phased manner. Bengaluru Airport has achieved the highest Carbon Accreditation Level 5 of Airports Council International (ACI), whereas Airports viz. Delhi, Mumbai and Hyderabad have achieved Level 4+ ACI accreditation. These airports have become Carbon neutral.

(d) Airports are participating in Airport Carbon Accreditation (ACA) programme of Airports Council International (ACI), which is a voluntary global carbon management standard for airports. The programme consists of progressive levels of accreditation i.e. Level 1 (Mapping), Level 2 (Reduction), Level 3 (Optimization), Level 3+ (Neutrality), Level 4 (Transformation), Level 4+ (Transition) and Level 5.
