

**GOVERNMENT OF INDIA**  
**MINISTRY OF CIVIL AVIATION**  
**LOK SABHA**  
**UNSTARRED QUESTION NO. : 1863**  
( TO BE ANSWERED ON THE 11th December 2025 )  
**GNSS SPOOFING INCIDENTS**

1863. SHRI K C VENUGOPAL  
ADV. DEAN KURIAKOSE  
SHRI RAHUL GANDHI

Will the Minister of CIVIL AVIATION

be pleased to state:-

- (a) the total number of GNSS/GPS spoofing and jamming incidents reported at airports of the country during the last five years and the current year, year, airport and State-wise;
- (b) whether there has been any surge in GNSS spoofing incidents recently and if so, the details thereof;
- (c) the primary sources and contributing factors identified for these spoofing events along with the assessed risks to flight safety and national security;
- (d) the remedial actions initiated by the Directorate General of Civil Aviation (DGCA) as well as the funds allocated for anti-spoofing technologies like resilient receivers or jamming countermeasures; and
- (e) whether a comprehensive national plan has been formulated to fortify airport infrastructure against GNSS disruptions particularly in coastal States like Kerala with growing air traffic, if so, the details thereof along with the timeline fixed for implementation thereof and if not, the reasons therefor?

**ANSWER**

Minister of State in the Ministry of CIVIL AVIATION (Shri Murlidhar Mohol)

(a): GPS interference reporting started after the publication of Directorate General of Civil Aviation (DGCA) advisory circular ANSS AC 01/2023 dated 24.11.2023 regarding GNSS Interference in Airspace.;

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Total GPS interference issues reported (November, 2023 to November, 2025) are 1951 nos after publication of DGCA circular.;

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(b) & (c): International Civil Aviation Organization (ICAO) identifies GNSS spoofing as a form of International Radio Frequency Interference (RFI). Wireless Monitoring Organization (WMO) is investigating the matter.

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(d) & (e): DGCA had issued advisory circular ANSS AC 01 of 2023 dated 24.11.2023 for addressing GNSS Interference in Airspace. Further, DGCA has issued the Standard Operating Procedure (SOP) dated 10th November 2025 for real-time reporting of GPS Spoofing/ GNSS Interference Events around IGI Airport.;

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ICAO GNSS Manual contains the mitigation plan detailing preventive and reactive measures, including frameworks for continuous threat monitoring, risk assessment, and the deployment of mitigation barriers.

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