GOVERNMENT OF INDIA
MINISTRY OF CIVIL AVIATION
LOK SABHA
UNSTARRED QUESTION NO. : 893

(To be answered on the 4th December 2025)

FALSE GPS SIGNALS

893.   SHRI SELVAGANAPATHI T.M. SHRI
ASHOK KUMAR RAWAT

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

(a)   whether it is a fact that aircraft flying over Delhi have been experiencing severe GPS spoofing recently within a 60 nautical mile radius of Delhi causing false navigation data such as incorrect aircraft positions and misleading terrain warnings and if so, the details thereof;

(b)   whether it is also a fact that spoofing is a type of cyber-attack that transmits false GPS signals to mislead navigation systems and if so, the details thereof;

(c)   whether it is also a fact that the International Air Transport Association(IATA) and the International Civil Aviation Organization (ICAO) have warned that these disruptions pose a significant and growing threat to aviation safety and if so, the details thereof; and

(d)   whether the Government has ordered any probe into the matter to ascertain the actual cause of such incidents 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)

(a) & (b): Some flights reported Global Positioning System (GPS) spoofing in the vicinity of Indira Gandhi International (IGI) Airport, New Delhi while using GPS

based landing procedures, while approaching on RWY 10. Contingency procedures were used for GPS spoofed flights approaching to RWY 10.

Directorate General of Civil Aviation (DGCA) has issued Advisory Circular ANSS AC 01 of 2023 dated 24.11.2023 for addressing Global Navigation Satellite System (GNSS) interference in airspace. In addition, DGCA has also issued Standard Operating Procedure (SoP) dated 10th November 2025 for real-time reporting of GPS Spoofing/GNSS interference events around IGI airport.

GPS spoofing linked disruptions are a global phenomenon which were observed with increased frequency in geographical areas surrounding conflict zones.

Cyber Security threats to the Aviation Sector are in the form of ransom ware/malware. International Civil Aviation Organization (ICAO) identifies GNSS spoofing as a form of intentional Radio Frequency Interference (RFI).

(c): 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. International Air Traffic Association (IATA) has also published advisories to airlines for guidance.

(d): Airports Authority of India (AAI) has requested Wireless Monitoring Organization (WMO) to possibly identify the source of interference/ spoofing. During the high-level meeting, WMO was directed to mobilise more resources to identify the source of spoofing based on approximate spoofing location details shared by DGCA and AAI.

*****