

**GOVERNMENT OF INDIA
MINISTRY OF CIVIL AVIATION
RAJYA SABHA
UNSTARRED QUESTION NO : 813
(TO BE ANSWERED ON THE 8th December 2025)**

**AVIATION SAFETY, ATC INFRASTRUCTURE RELIABILITY AND
SYSTEMIC PREPAREDNESS**

813. SHRI VIVEK K. TANKHA

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

- (a) whether Government has assessed nationwide ATC system vulnerabilities in light of recent server outages and flight disruptions;
- (b) the current status of redundancy, backup and cybersecurity protocols across all major ATC centres;
- (c) steps taken to modernise CNS/ATM infrastructure to prevent nationwide cascading failures;
- (d) whether any independent technical audit has been commissioned and its findings; and
- (e) the timeline for full deployment of resilient digital and contingency systems to ensure uninterrupted aviation operations?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF CIVIL AVIATION

(Shri Murlidhar Mohol)

(a): The Airports Authority of India (AAI) has been directed to carry out a comprehensive audit of all Communication, Navigation, and Surveillance (CNS) equipment across the airports to evaluate their condition, operational reliability, and lifecycle management.

(b): As per existing policy, AAI adheres to a structured framework for the upgradation of CNS systems. It follows ICAO global standardized procedures for equipment lifecycle management which encompasses routine maintenance, performance monitoring, and timely replacement or upgradation of systems. These activities, including system upgrades, backups, and redundancy checks, constitute regular and routine functions carried out by AAI to ensure operational reliability, safety, and continuity.

(c): AAI has undertaken the replacement of the existing IP-based Automatic Message Switching System (AMSS) with the new Air Traffic Services Message

Handling System (AMHS).

(d): Directorate General of Civil Aviation (DGCA) has a systematic safety oversight mechanism in place for monitoring the compliance of Rules and Civil Aviation Requirements encompassing all the aircraft and the airport operators. The safety oversight process includes surveillances, spot check and regulatory audits. In addition, DGCA also publishes Annual Surveillance Plan (ASP) on its website. Each directorate conduct surveillance/spot checks in their respective technical areas as per the ASP. DGCA has also issued a 01/2025 circular regarding "Comprehensive special audit to assess aviation ecosystem and strengthen aviation safety architecture".

(e): As per the extant policy of AAI, replacement of obsolete equipment with advanced technology systems is undertaken periodically in a phased manner to ensure resilience, reliability and uninterrupted aviation operations.
