

**GOVERNMENT OF INDIA
MINISTRY OF CIVIL AVIATION
LOK SABHA
UNSTARRED QUESTION NO. : 3549
(To be answered on the 10th August 2023)**

AIR TRAFFIC FLOW MANAGEMENT SYSTEM

3549. SHRI P. RAVINDHRANATH

Will the Minister of CIVIL AVIATION

नागर विमानन मंत्री

be pleased to state:-

- (a) the efforts being made during the past four financial years and current year for better Passenger Facilitation and enhancement of their airport experience; and**
- (b) the status of implementation of Air Traffic Flow Management system (ATFM) and Reduced Separation Standards (RSS) prescribed by ICAO to accommodate increased number of Aircrafts within the limited volume of airspace, across the country?**

ANSWER

Minister of State in the Ministry of CIVIL AVIATION

नागर विमानन मंत्रालय में राज्य मंत्री

(GEN. (DR) V. K. SINGH (RETD))

(a): The Government has taken several measures to enhance the airport experience of passengers such as capacity enhancement through infrastructural changes in existing terminals, installation and commissioning of additional X-ray machines for baggage check, provision of inline baggage facility and self-baggage drop facility, deployment of additional manpower by CISF (Central Industrial Security Force), airlines and airport operators, management of slot allocation, co-ordination with airlines to avoid bunching of flights etc. Additionally, to provide seamless and hassle-free experience for passengers at airports, the Government has launched Digi Yatra for biometric-based travel using Facial Recognition Technology. In the first phase, Digi Yatra has been launched at Delhi, Bangalore, Varanasi, Kolkata, Pune, Vijayawada and Hyderabad Airports.

(b): Airports Authority of India adopted centralized Air Traffic Flow Management (C-ATFM) in April 2017, aligned with International Civil aviation Organization's (ICAO) Global Plan, to optimize airport, airspace, and aircraft usage amid capacity constraints. The initial phase focused on addressing congestion at major airports like Delhi, Mumbai, Bengaluru, Chennai, Kolkata, and Hyderabad, as well as unforeseen capacity constraints

at other airports. Phase II extended flow management capabilities to airspace and incorporated a C-ATFM website for stakeholder awareness. C-ATFM & Airport Collaborative Decision Making (A-CDM) systems from Delhi, Mumbai, Chennai, Kolkata, Trivandrum, Jaipur, Guwahati and Ahmedabad have been integrated for seamless exchange of data.

The following Reduced Separation Standards (RSS) have been implemented in the country:

1. Surveillance based separation of 10 Nautical miles (NM) in place of time-based separation of 10 minutes and 15 minutes in en-route airspace and 5NM and 3NM surveillance-based separation in terminal airspace.

2. Reduced Horizontal Separation of 50 NM between two RNP10 (Required Navigation Performance) equipped aircraft, and

3. Based on the Letter of Agreements (LoA) between two adjacent Air Traffic Services (ATS) units, separation of either 20NM or 30NM between two aircraft is also in practice.
