

**GOVERNMENT OF INDIA
CIVIL AVIATION
LOK SABHA**

UNSTARRED QUESTION NO:3684
ANSWERED ON:20.03.2013
ATS ROUTES COVERED BY SURVEILLANCE RADARS
Pakkirappa Shri S.

Will the Minister of CIVIL AVIATION be pleased to state:

- (a) whether Air Traffic Control (ATC) services are available in India to all the users;
- (b) if so, the details thereof;
- (c) whether a number of air routes have been reported to be not covered by the surveillance radar or air traffic control room;
- (d) if so, the details thereof and the reasons therefor; and
- (e) the measures taken/being taken to bring all air routes under the surveillance radar or air traffic control system in an effective manner?

Answer

Minister of State in the Ministry of CIVIL AVIATION (SHRI K. C. VENUGOPAL)

(a) & (b): Yes, Madam. Air Traffic Control Service is provided by Airports Authority of India(AAI) over Indian Continental Airspace and Oceanic Airspace to both Civil and Military Flights.

(c) & (d): Most of the ATS routes over continental airspace are covered by the surveillance radar/Automatic Dependent Surveillance-Broadcast (ADS-B). Integration of radars/ADS-B will further augment the surveillance coverage over the continental airspace. All the ATS routes over Oceanic airspace are under Automatic Dependent Surveillance-Contract (ADS-C) system.

(e): Following measures taken/being taken to bring all air routes under the surveillance radar or air traffic control:

(i) Nine new radars have been installed at various locations to cover surveillance gap over the continental airspace.

(ii) 8 more radars are being planned to be installed to cover the surveillance gaps.

(iii) ADS-B has been installed at 14 locations to cover the surveillance gaps.

(iv) AAI has successfully integrated all radars in Chenna FIR in Chennai Automation System and have further plans to integrate all radars and ADS-B at major ATC Centres in a phased manner to provide surveillance over continental airspace.