

**GOVERNMENT OF INDIA
CIVIL AVIATION
LOK SABHA**

STARRED QUESTION NO:384
ANSWERED ON:21.12.2011
AIR TRAFFIC CONTROL
Das Shri Ram Sundar

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 CIVIL AVIATION (SHRI AJIT SINGH)

(a) to (e): A Statement is laid on the Table of the House.

STATEMENT IN REPLY TO PARTS (a) TO (e) OF THE LOK SABHA STARRED, QUESTION NO.384 FOR 21.12.2011 REGARDING AIR TRAFFIC CONTROL.

(a): Yes, Madam.

(b): Air Traffic Control is provided to all domestic and international flights by Airports Authority of India over Indian continent airspace and Oceanic airspace.

(c) & (d): No, Madam. Most of the Air Traffic Services (ATS) routes are covered by the surveillance radars. However, some portions of a few ATS routes are not covered due to terrain and other topographical limitations. All ATS routes over Oceanic airspace are under Automatic Dependent Surveillance (ADS-C) system.

(e) Some of the measures being implemented by AAI are as follows:

(i) In addition to existing 13 en-route radars and 9 terminal approach radars, 9 new enroute radars are being installed at various locations to cover surveillance gaps and redundancy over the continental airspace.

(ii) To supplement the radars and as a back up to the existing radars, ADS-B also is under implementation at 14 locations.

(iii) In addition to the existing ADS-C based surveillance, ADS-B is also under implementation at Port Blair, which will enhance the surveillance in the Oceanic area around Port Blair in Bay of Bengal.

(iv) AAI has successfully integrated all radars in Chennai FIR in September 2011 and has planned to integrate all radars and ADS-B in a phased manner in other FIRs also, namely, Delhi, Mumbai and Kolkata to ensure 100% surveillance and redundancy over continental airspace.