

(c) the steps taken by his Ministry to meet the shortage and by when this shortage would be met?

THE MINISTER OF STATE OF THE MINISTRY OF CIVIL AVIATION (SHRI PRAFUL PATEL):

(a) and (b) There is no shortage of pilots in the country. However, Airline operators are facing shortage of type-rated pilots and senior Commanders. As far as National Aviation Company of India Limited (NACIL) is concerned, there is no shortage of pilots. The requirement of pilots is currently catered to from own and foreign pilots.

(c) In order to have sufficient quality pilots over longer period of time, the Indira Gandhi Rashtriya Uran Akademi (IGRUA) has been modernised through upgradation of civil and electrical infrastructure and acquisition of additional trainer aircraft. The Government has also set up National Flying Training Institute at Gondia in Maharashtra as Joint Venture Enterprise. The other flying clubs in the country are also being supported by the Central Government by way of providing funds for acquisition of trainer aircraft through Directorate General of Civil Aviation and Aero Club of India.

#### **Trivandrum Airport**

4163. SHRI K.N. BALAGOPAL: Will the Minister of CIVIL AVIATION be pleased to state:

(a) by when the new terminal at Trivandrum International Airport will become operational; and

(b) whether there is any proposal to introduce user fee at Trivandrum airport?

THE MINISTER OF STATE OF THE MINISTRY OF CIVIL AVIATION (SHRI PRAFUL PATEL):

(a) The new terminal at Trivandrum International Airport will become operational after completion of approach road and bridge work which is being executed by Kerala State Government.

(b) A proposal to introduce User Development Fee (UDF) at Trivandrum airport has been submitted by Airports Authority of India (AAI) to Airports Economic Regulatory Authority (AERA).

#### **Aircrafts collision**

4164. SHRI K.V.P. RAMACHANDRA RAO: Will the Minister of CIVIL AVIATION be pleased to state:

(a) whether some aircrafts came closer to collision distance which was averted at the last moment in the country;

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†Original notice of the question was received in Hindi.

- (b) if so, the details of such incidents during the last three years;
- (c) what were the factors responsible for such incidents; and
- (d) what action is proposed to be taken to avoid such incidents?

THE MINISTER OF STATE OF THE MINISTRY OF CIVIL AVIATION (SHRI PRAFUL PATEL):

(a) to (c) No, Sir. Modern aircrafts are equipped with Traffic Collision and Avoidance System (TCAS) which gives Traffic Advisory/Resolutionary Advisory even before they come close to collision distance. However there were some airproximity incidents wherein preventive actions were taken by Air Traffic Control Officers (ATCO)/Pilot well in advance. 27 such incidents were reported in 2007, 28 in 2008 and 15 in 2009.

(d) Directorate General of Civil Aviation (DGCA) has issued Civil Aviation Requirements making it mandatory to install Airborne Collision Avoidance System (ACAS) on aeroplanes. Mono – pulse Secondary Surveillance radars have been installed at major airports in the country to provide altitude information to the Air Traffic Controllers. Air Traffic Management services are modernised to include air traffic conflict warning in the system. Flexible use of airspace to reduce traffic congestion in the airspace has been implemented. Regular proficiency checks for Air Traffic Controllers and pilots are carried out and corrective training is given wherever necessary. Specific co-ordination procedures for transfer of traffic from one unit to the other, have been established and are reviewed periodically. One separate Directorate of Air Space and Air Traffic Management in DGCA has been created for better surveillance and regulation of Air Traffic Management.

#### **Status of aviation industry after recession**

‡4165. SHRI BRIJ BHUSHAN TIWARI: Will the Minister of CIVIL AVIATION be pleased to state:

- (a) whether it is a fact that currently the aviation industry has come out of recession; and
- (b) if so, the details of status of public and private aviation sectors of the country?

THE MINISTER OF STATE OF THE MINISTRY OF CIVIL AVIATION (SHRI PRAFUL PATEL):

(a) Although the domestic passenger traffic has registered a positive growth in year 2009 vis-à-vis in the year 2008 and the average passenger load factor also improved in the year 2009, it is difficult to say that the aviation industry has come out of crisis of recession.

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