

**Strengthening of coastal security**

1738. SHRI RAJKUMAR DHOOT : Will the Minister of DEFENCE be pleased to state:

(a) whether Government proposes to initiate the process of identifying landing points and isolated spots along coastline of the country to strengthen coastal security; and

(b) if so, the details thereof?

THE MINISTER OF DEFENCE (SHRI MANOHAR PARRIKAR) : (a) and (b) Government has requested all the Coastal States and Union Territories to identify and notify the landing points. So far, Maharashtra, Goa, Daman and Diu and Puducherry have identified and notified the landing points. Further, Tamil Nadu, Karnataka, Odisha and Andaman and Nicobar Islands have only identified the landing points but have not yet notified the same.

**Crash of Sukhoi-30 aircraft**

1739. SHRI AVINASH RAI KHANNA : Will the Minister of DEFENCE be pleased to state:

(a) whether the Russians and the Indian Air Force have different views over the crashes of Sukhoi-30 aircraft;

(b) if so, whether the Air Chief Marshal has recently stated that Sukhoi-30 crashes occurred due to technical defects and not due to human error; and

(c) if so, whether Government now proposes to reinvestigate the causes of crashes of Sukhoi-30 aircrafts?

THE MINISTER OF DEFENCE (SHRI MANOHAR PARRIKAR) : (a) to (c) No, Sir. While replying to a media query on 19.02.2015, Air Chief Marshal had stated that the investigations into the Sukhoi-30 crash on 14.10.2014 at Pune were still going on and till then it had not indicated Human Error or Technical Defect as the cause. All Sukhoi-30 aircraft crashes have been investigated thoroughly by Indian Air Force and there is no proposal to reinvestigate any of these accidents.

**Dependence of aeronautics R&D projects on foreign sources**

1740. SHRI A.W. RABI BERNARD : Will the Minister of DEFENCE be pleased to state:

(a) whether it is a fact that the country's R&D projects in the aeronautical sector are controlled externally for development time-frame and rate of production due to our dependence on raw material and technology;

(b) whether it is also a fact that the US, Israel and European countries dictate terms and conditions for supply of R&D related requirements, if so, the details thereof; and

(c) whether a high powered military committee has recommended number of initiatives for India to be independent in aeronautics and free from foreign manipulations, if so, the details thereof?

THE MINISTER OF DEFENCE (SHRI MANOHAR PARRIKAR) : (a) and (b) A number of raw materials and technologies of aeronautical systems are imported from technologically advanced countries. These include metallic and rubberised materials, components and sub-systems of various systems, engine, flight control system, etc. However, many of the technologies are not available for purchase.

(c) A Committee headed by Air Marshal M Matheswaran (Retd.) made several recommendations for development of critical technologies in Aeronautical sector. Among its recommendations, the Committee identified a list of over a dozen technologies in aeronautical sector on which India should ensure a minimum level of self-reliance; further study on the latest technology denial regimes etc. The Committee also pointed out that India needs to find ways to synergise civil and military aviation sectors.

#### **Road building along China borders**

1741. SHRI AJAY SANCHETI : Will the Minister of DEFENCE be pleased to state:

(a) whether Government plans to embark on a major road building exercise both along the China borders, if so, the details thereof;

(b) whether environmental norms for such projects have been relaxed; and

(c) if so, the work taken up by the Border Roads Organisation (BRO) in this regard with targets set thereof?

THE MINISTER OF DEFENCE (SHRI MANOHAR PARRIKAR) : (a) Government has identified 73 roads for development along the International Border with China. Of these 73 Indo-China Border Roads (ICBRs), 61 roads of total length 3410 km. have been entrusted to Border Roads Organisation (BRO).

(b) Certain norms have been relaxed for projects concerning national defence and security or involving other strategic considerations.