

GOVERNMENT OF INDIA
MINISTRY OF CIVIL AVIATION
RAJYA SABHA
UNSTARRED QUESTION NO : 343
(TO BE ANSWERED ON THE 6th February 2023)

SECURING DATABASE OF PASSENGERS BY AIRLINES

343. SHRI AYODHYA RAMI REDDY ALLA

Will the Minister of CIVIL AVIATION be pleased to state:-

- (a) whether Government is using Artificial Intelligence (AI) and Machine Learning (ML) to increase speed, efficiency, workload, and safety in Indian aviation sector, if so, the details thereof and if not, the reasons therefor and
- (b) whether Government is ensuring the compliance of standards set by National Critical Information Infrastructure Protection Centre (NCIIPC) and Indian Computer Emergency Response Team (CERT-In) for securing and protecting the data and systems in aviation industry from cyber threats, if so, the details thereof and if not, the reasons therefor?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF CIVIL AVIATION

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

a) to (b) Yes, Sir. Directorate General of Civil Aviation (DGCA) is using F5 Web Application Firewall (WAF) which internally uses Artificial Intelligence (AI) and Machine Learning to predict and avoid data breaches and cyber-attacks.

The steps taken by the Government ensuring the compliance of standards set by National Critical Information Infrastructure Protection Centre (NCIIPC) include the following:

- (i) DGCA application is security certified periodically by CERT- IN agency
- (ii). DGCA has also implemented Firewall, Deep Security, Web Application Firewall (WAF), Security Group, Network Control Access List (NACL),
- (iii) Application Security, application access through HTTPS protocol
- (iv) BCAS has provisioned National Civil Aviation Security Programme (NCASP) which encompasses civil aviation industry operators to identify and develop appropriate measures in order to protect the confidentiality, integrity and availability of critical information and communication technology systems and data used for civil aviation operations.
- (v) The Data Center [DC] of AAI ensures compliance of standards set by NCIIPC

and Indian Computer Emergency Team (CERT-In) for securing and protecting the data and systems from cyber threats.

(vi) Ministry of Civil Aviation issues various security advisories, updates, alerts viz cyber threats/vulnerabilities and counter measures to protect computers, network, browsers, operating systems and data bases received from NCIIPC and CERT-In to concerned entities from time to time for necessary action.

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