

GOVERNMENT OF INDIA  
MINISTRY OF CIVIL AVIATION  
RAJYA SABHA  
UNSTARRED QUESTION NO : 1287  
(TO BE ANSWERED ON THE 14<sup>th</sup> March 2017)

USE OF ROBOTIC ARMS TO WASH AND CLEAN AIRCRAFTS

1287. SHRI MAJEED MEMON

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

- (a) whether at present, more than 20 people have to work for 10 hours at a stretch on each airplane to ensure that every bit of the aircraft is clean, to provide flyers with the best hygiene possible;
- (b) whether Delhi International Airport Ltd. (DIAL) and Air India have joined hands to bring in a new technology from Sweden, which will use robotic arms to wash and clean an aircraft inside out;
- (c) by when this new technology is likely to come to enable them save time, helping the airlines to increase their frequency; and
- (d) if so, the details thereof?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF CIVIL AVIATION

(Shri Jayant Sinha)

- (a) The time required for cleaning of aircraft varies from 02 -10 hours depending on types of cleaning such as transit cleaning, external cleaning, deep cleaning, etc. External cleaning takes about 08-10 hours.
- (b) to (d) The equipment, Nordic Dino II, with 5 other supplement equipment, will perform the Automated Exterior Aircraft Cleaning Services. An RFP (request for proposal) was floated by Delhi International Airport Limited (DIAL) for Automated Exterior Aircraft Cleaning services, for which AISATS participated, and the tender was awarded to AISATS to perform these services at IGI Airport, Delhi. AISATS expects to soft launch the services by the 1st Qtr of the New FY 2017-18. To clean the exterior of a Narrow Body Aircraft, a maximum of 3 hrs is required, using this technology. AISATS requires deployment of 5 - 6 trained manpower on 5 types of equipment including Nordic Dino II, to perform the Automated Exterior Cleaning of an Aircraft.

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