

**GOVERNMENT OF INDIA
CIVIL AVIATION
LOK SABHA**

UNSTARRED QUESTION NO:4809
ANSWERED ON:22.12.2014
CARBON EMISSIONS FROM AIRLINE OPERATIONS
P. Shri Nagarajan

Will the Minister of CIVIL AVIATION be pleased to state:

- (a) whether there is a rise in carbon emissions due to airline operations from Indian destinations;
- (b) if so, the details thereof; and
- (c) the steps taken or being taken by the Government to address this issue?

Answer

Minister of State in the Ministry of CIVIL AVIATION (Dr. Mahesh Sharma)

(a) & (b): Yes Madam, there is a marginal rise of 1.57% in carbon emissions in 2013 over 2012 which is attributed to overall increase in passenger and aircraft movements and introduction of new routes in 2013.

(c): DGCA has issued following guidelines to reduce carbon emissions from aviation sector on voluntary basis:

- (i) Aviation Environment Circular 2 of 2010 dated 14.7.2010 on restricted usage of ground engine run-ups to reduce airport noise.;
- (ii) Aviation Environment Circular 1 of 2009 dated 10.8.2011 on creation of Aviation Environment cell in Airlines, Aerodrome operators and Air Navigation Service Provider organisation in order to address aviation environmental issues.
- (iii) Aviation Environment Circular 2 of 2013 dated 13.06.2013 on climate change initiative in Civil Aviation.
- (iv) Aviation Environment Circular 1 of 2013 dated 15.07.2013 on usage of single engine taxi-in and taxi-out procedures at Airports.