

**GOVERNMENT OF INDIA  
MINISTRY OF CIVIL AVIATION  
Rajya Sabha**

**UNSTARRED QUESTION NO. : 1619**

**TO BE ANSWERED ON THE 18th December 2023**

**AIRCRAFTS HIT BY WILDLIFE AND BIRD STRIKES**

**1619. DR. SANTANU SEN**

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

**(a) number of aircrafts suffered from wildlife animal strikes including bird strikes on runways at various airports in last five years, year-wise, State-wise, airport-wise;**

**(b) number of accidents of plane crash or emergency landing occurred due to bird strikes in last five years, year-wise, State-wise;**

**(c) whether Government has conducted any study to understand the pattern of locations where bird strikes on airplanes are frequent, if so, details thereof and if not, the reasons therefor; and**

**(d) details of the steps taken by Government to reduce the frequency of such incidents in the last five years, year-wise, State-wise, airport-wise?**

**ANSWER**

**Minister of State in the Ministry of CIVIL AVIATION  
(GEN. (DR) V. K. SINGH (RETD))**

**(a) Details of confirmed wildlife animal strikes including bird strikes involving aircraft for the last five years is attached as Annexure-A.**

**(b) No plane has crashed due to bird strike in last five years.**

**However, one occurrence has been reported wherein the aircraft made emergency landing due to bird strike at Kolkata Airport (West Bengal) in 2021.**

**(c) & (d) : The analysis of data of wildlife (Bird/Animal) strike indicates that the maximum number of strike to the airplanes occurs during landing and takeoff phases.**

**DGCA has issued regulations and guidelines for management of potential wildlife hazard at licensed airports. Rule 91 of The Aircraft Rule 1937 prohibits dumping of garbage and slaughter of animals that may attract wildlife within 10km of Aerodrome Reference Point.**

**Aerodrome Advisory Circular AD AC 06 of 2017 has been issued to aerodrome operator for implementing an effective wildlife control mechanism for their aerodrome to control wildlife strike. Civil Aviation Requirement Section 4 Series B Part 1 Para 9.4 mandates aerodrome operator to evaluate wildlife hazard by competent personnel and action to be taken to decrease the risk to aircraft operations by adopting measures to minimize the likelihood of collisions between wildlife and aircraft.**

**Further, Aerodrome Advisory Circular AD AC 01 of 2022 has been issued to identify the gaps and ensure strict implementation of plan for wildlife hazard management on and in the vicinity of aerodrome.**

**Compliance of the regulation and guidance issued for Wildlife Hazard management is being done through annual surveillance inspections of the aerodrome.**

**\*\*\*\*\***

Confirmed Wildlife strike data from 2018 to 31<sup>st</sup> October 2023

State	Airport	2018	2019	2020	2021	2022	2023
Andaman and Nicobar	Port Blair	5	6	0	4	5	4
Andhra Pradesh	Rajahmundry	1	0	6	8	13	8
	Cuddapah	2	0	4	1	0	0
	Tirupati	0	0	1	3	11	5
	Vijayawada	5	9	14	12	10	2
	Kurnool	0	0	0	0	1	0
	Vizag	16	11	16	12	17	16
Assam	Guwahati	12	5	5	17	23	21
	Dibrugarh	0	2	2	3	4	0
	Silchar	0	1	0	0	0	0
	Lilabari	0	0	0	0	1	1
	Rupsi	0	0	0	0	0	1
	Jorhat	1	0	0	0	1	0
Bihar	Patna	22	8	14	19	22	24
	Darbhanga	0	0	0	6	2	0
	Gaya	0	1	3	0	0	0
Chandigarh	Chandigarh	2	3	2	16	15	25
Chhattisgarh	Bilaspur	0	0	0	0	2	3
	Jashpur	0	0	0	1	0	0
	Raipur	3	5	5	10	13	12
Daman and Diu	Diu	0	0	0	1	1	0
	Daman	0	0	1	0	0	0
Delhi	Delhi	101	97	63	96	184	169
	Safdarjung	0	0	0	0	0	1
Goa	North Goa	17	0	0	0	0	1
	Goa	2	14	14	24	27	15
Gujarat	Ahmedabad	53	40	57	49	39	81
	Vadodora	8	8	3	1	16	7
	Rajkot	5	1	2	5	8	7
	Porbandar	1	0	0	0	1	0
	Surat	11	1	14	13	10	19
	Kandla	0	0	0	1	0	1
	Jamnagar	0	0	1	0	1	1
	Mundra	1	0	0	0	0	0
Bhuj	1	0	0	0	0	0	
Haryana	Gurgaon	1	0	0	0	0	0
Himachal Pradesh	Bhuntar	2	0	0	1	0	0
	Gaggal	3	1	0	2	1	2
Jammu and	Srinagar	5	9	5	10	14	10

Kashmir	Jammu	4	3	0	8	10	5
Jharkhand	Ranchi	10	4	6	8	9	9
	Jamshedpur	0	0	0	0	0	0
Karnataka	Bangalore	39	18	29	23	86	76
	Hubli	8	4	0	0	1	0
	Mangalore	4	3	3	5	2	3
	Mysore	3	0	1	3	2	1
	Belgavi	3	3	7	8	13	6
	HAL Bangalore	0	0	1	3	0	1
	Kalaburagi	0	0	6	1	1	0
	Yelahanka AF	0	0	1	0	0	0
	Vijayanagar	1	0	1	1	1	0
Kerala	Cochin	33	15	28	39	28	44
	Calicut	7	11	1	4	9	6
	Trivandrum	17	9	13	12	17	38
	Kannur	1	2	3	2	5	5
Ladakh	Leh	0	0	0	1	0	0
Lakshadweep	Agatti	2	0	0	0	1	1
Madhya Pradesh	Bhopal	5	5	2	1	14	15
	Indore	14	14	3	8	20	33
	Gwalior	0	0	0	4	3	1
	Khajuraho	0	1	0	0	0	0
	Jabalpur	2	0	2	1	4	1
Maharashtra	Pune	9	19	17	9	30	31
	Mumbai	57	35	43	60	90	67
	Nagpur	15	15	12	9	29	24
	Aurangabad	1	2	1	4	6	4
	Kohlapur	0	0	1	1	1	1
	Shirdi	0	0	1	1	7	3
	Jalgaon	0	0	0	1	0	0
	Nashik	0	0	0	1	0	2
	Nanded	0	0	0	1	0	0
Juhu	1	0	2	4	1	2	
Manipur	Imphal	5	4	10	3	6	3
Mizoram	Lengpui	0	0	0	0	0	0
Meghalaya	Shillong	0	0	0	3	5	1
Nagaland	Dimapur	0	0	0	0	0	2
Odisha	Bhubaneshwar	19	8	10	17	28	39
	Jharsuguda	0	3	0	1	1	0
Pondicherry	Pondicherry	0	0	0	0	3	1
Punjab	Amritsar	8	5	12	9	17	23
	Ludhiana	0	0	1	0	0	0
	Patiala	0	0	0	0	1	0
	Adampur	0	0	0	0	0	0

Rajasthan	Jaipur	16	14	29	23	17	19
	Kishangarh	0	1	6	2	0	0
	Udaipur	4	3	1	7	6	2
	Bikaner	0	0	1	0	0	0
	Jodhpur	1	0	2	2	2	3
Sikkim	Pakyong	0	0	0	1	0	0
Tamil Nadu	Trichirapalli	2	2	12	5	11	10
	Coimbatore	18	20	16	20	28	25
	Madurai	5	4	4	4	3	6
	Chennai	36	20	24	32	49	39
	Salem	0	0	1	0	1	0
	Tuticorin	1	3	0	0	1	2
Telangana	Hyderabad	27	16	35	32	39	37
	Begumpet	0	0	2	1	1	1
Tripura	Agartala	5	5	4	6	9	4
Uttar Pradesh	Lucknow	9	7	22	19	16	14
	Gorakhpur	0	1	3	1	5	5
	Allahabad	0	0	1	0	2	0
	Varanasi	10	6	10	7	9	20
	Agra	0	0	0	0	0	1
	Bareilly	0	0	0	1	1	0
	Kushinagar	0	0	0	0	0	1
	Chakeri	0	0	0	0	0	1
Uttarakhand	Dehradun	1	5	4	4	14	15
	Pithoragarh	0	0	0	1	0	2
	Kedarnath	0	0	0	0	1	0
	Pantnagar	0	0	4	0	0	1
West Bengal	Kolkata	27	21	24	33	31	45
	Durgapur	0	0	0	0	2	1
	Bagdogra	2	2	4	2	2	5

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