

**GOVERNMENT OF INDIA  
DEFENCE  
LOK SABHA**

STARRED QUESTION NO:25  
ANSWERED ON:02.12.2004  
CRASH OF AIRCRAFT  
Athawale Shri Ramdas;Paswan Shri Ramchandra

**Will the Minister of DEFENCE be pleased to state:**

- (a) the number of fighter aircraft crashed during 2001-2002, 2002-2003, 2003-2004 and 2004-2005 till date, place-wise;
- (b) the number of persons killed and wounded in these accidents, accident-wise and the financial loss suffered by the Government as a result thereof;
- (c) the amount disbursed as compensation, accident-wise;
- (d) whether each air crash has been investigated;
- (e) if so, the details thereof and responsibility fixed therefor, accident-wise and action taken by the Government on each investigations;
- (f) the steps taken by the Government to prevent such accidents in future;
- (g) whether the Government is seriously considering to take steps not to use fighter aircraft Mirage; and
- (h) if not, the main reasons therefor?

**Answer**

THE MINISTER OF DEFENCE (SHRI PRANAB MUKHERJEE)

(a) to (h): A Statement is laid on the Table of the House.

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (h) OF LOK SABHA STARRED QUESTION NO. 25 FOR 2.12.2004

The number of fighter aircraft crashed during 2001-2002, 2002- 2003, 2003-2004 and 2004-2005 till date place-wise, along with the details of pilots killed and civilians killed and injured, the financial loss suffered by the Government, the amount of compensations paid to the affected civilians, the findings of each crash investigations, responsibility fixed and action taken in each case are annexed at Annexures-I, II and III.

A continuous and multi-faceted effort is always underway in the Indian Air Force to enhance and upgrade flight safety. Measures to enhance the quality of training to improve the skill levels, ability to exercise sound judgment and situational awareness of pilots are being pursued.

Constant interaction with Hindustan Aeronautics Limited (HAL) and Original Equipment Manufacturers (OEMs) of concerned countries are also maintained to overcome the technical defects of aircraft. Besides, anti-bird measures are also undertaken.

As of now there is no proposal to ground the Mirage 2000 fighter aircraft. These aircraft are amongst the most modern fighter aircraft in the Indian Air Force inventory. The past flight safety record of the aircraft since its induction has been excellent. The operational capability of the aircraft has also stood the test of time in all crisis situations including the Kargil conflict. There is no doubt regarding the reliability of this aircraft as an operational platform.

ANNEXURE - I AS REFERRED TO IN REPLY TO PARTS (a) TO (h) OF THE LOK SABHA STARRED QUESTION NO. 25 FOR ANSWER ON 02.12.2004

Sl.No.	Date of accident	Type of Aircraft	Place of accident	No. of pilots killed	No. of Civilians killed/injured	Financial loss suffered by the Government
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1.	10.04.2001	MIG 21 BIS	Srinagar	01	10,01,63,563	
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2.	06.05.2001	MIG 21 BIS	Suratgarh	01	3,32,32,200	
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3.	08.06.2001	MIG 21 M	Pathankot		1,46,00,000	
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4.	04.07.2001	MiG 29	Adampur	01	20,41,17,498
5.	05.07.2001	MiG 23	UB Jodhpur		12,35,84,543
6.	28.08.2001	MiG 21	FL Tezpur	01	1,46,36,149
7.	21.08.2001	MiG 23	BN Halwara		2,58,50,400
8.	17.09.2001	MiG 21	BIS Suratgarh	01	3,32,71,495
9.	26.09.2001	MiG 21	M Pathankot	3/1	1,46,39,600
10.	25.10.2001	Jaguar	Ambala		94,19,57,665
11.	13.12.2001	MiG 21	BIS Uttarlai	01	3,33,35,617
12.	27.12.2001	MiG 21	FL Tezpur	#	1,86,02,000
13.	04.01.2002	MiG 25	Adampur		11,83,29,000
14.	21.02.2002	MiG 23	BN Pathankot		4,60,00,000
15.	15.03.2002	MiG 23	MF Uttarlai		5,43,18,000
16.	04.04.2002	MiG 21	BIS Jodhpur	01	2,06,94,064
17.	11.04.2002	MiG 29	Adampur	01	91,89,16,159
18.	20.04.2002	MiG 21	T69 Tezpur	02	2,01,38,659
19.	26.04.2002	MiG 21	M Sirsa		1,59,85,000
20.	03.05.2002	MiG 21	BIS Adampur	9/5	3,32,35,000
21.	09.05.2002	Jaguar	Ambala	01	94,21,31,524
22.	07.06.2002	MiG 27	ML Srinagar		16,14,86,000
23.	26.06.2002	MiG 23	BN Halwara		5,40,84,460
24.	27.06.2002	MiG 21	BIS Barrackpur	#	1,56,36,000
25.	15.07.2002	MiG 21	T69 Bagdogra		1,43,26,596
26.	09.09.2002	MiG 21	BIS Jodhpur		2,64,94,398
27.	09.09.2002	MiG 21	Ambala		1,01,880
28.	11.10.2002	MiG 21	T69 Tezpur		2,00,51,559
29.	21.10.2002	MiG 21	BIS Uttarlai		3,35,18,000
30.	05.11.2002	Jaguar	Ambala	13/6	94,05,37,119
31.	14.11.2002	MiG 21	T 69 Bagdogra	02	# 1,42,87,000
32.	19.12.2002	MiG 27	ML Kalaikunda	#	16,02,42,236
33.	26.12.2002	MiG 21	BIS Srinagar	1/2	10,00,25,000
34.	28.01.2003	Jaguar	Nal	01	93,99,08,173
35.	04.04.2003	MiG-23	BN Halwara	7	# 5,40,24,500
36.	07.04.2003	MiG-21	Bison Ambala	0/7	# 2,73,58,000
37.	04.06.2003	MiG-21	BIS Uttarlai	01	3,35,36,000
38.	07.07.2003	MiG-23	BN Halwara	#	4,99,17,852
39.	14.07.2003	MiG 21	T 69B Srinagar	Runway 02	# 10,02,26,482
40.	22.07.2003	Jaguar	Ambala	#	94,93,63,820
41.	28.11.2003	MiG-21	BIS Nal	#	4,40,37,250
42.	04.12.2003	MiG-29	Adampur	#	20,29,00,000
43.	07.02.2004	MiG-23	BN Jaisalmer	01	# 4,37,73,229
44.	20.02.2004	MiG-21	M Bhuj	5/17	# 2,74,27,144
45.	26.02.2004	Jaguar	Nal	01	# 31,82,44,436
46.	02.04.2004	Jaguar	Ambala	02	# 1,88,05,87,692
47.	28.04.2004	MiG-27	Jodhpur	01	# 18,33,26,200
48.	07.05.2004	Jaguar	Ambala	#	94,93,63,820
49.	19.05.2004	MiG-27	ML Hashimara	01	# 19,99,99,082
50.	23.09.2004	Mirage 2000	Gwalior	#	1,29,52,14,704
51.	12.10.2004	Mirage 2000	Gwalior	#	1,29,52,14,704
52.	01.11.2004	MiG 21	BIS Nal	#	3,35,36,000
53.	05.11.2004	MiG 27	ML Bareilly	#	19,99,99,082
54.	09.11.2004	Mirage 2000	Gwalior	#	1,29,52,14,704

TOTAL 22 39/38 6,03,32,05,321

# Indicates total provisional figures 9,35,84,95,937

GRAND TOTAL 1539,17,01,258

ANNEXURE-II AS REFERRED TO IN REPLY TO PARTS (a) TO (h) OF THE LOK SABHA STARRED QUESTION NO.25 FOR ANSWER ON 02.12.2004

Sl.No. Date of Type of Place of Compensation paid to  
accident Aircraft accident the affected civilians

1. 05.07.2001 MiG 23 UB Jodhpur 18,500
2. 28.08.2001 MiG 21 FL Tezpur 1,34,81,863
3. 26.09.2001 MiG 21 M Pathankot 6,61,578
4. 25.10.2001 Jaguar Ambala 6,000
5. 04.04.2002 MiG 21 BIS Jodhpur Under process
6. 03.05.2002 MiG 21 BIS Adampur 92,27,669
7. 26.06.2002 MiG 23 BN Halwara 12,000
8. 09.09.2002 MiG 21 Ambala 20,000
9. 11.10.2002 MiG 21 T69 Tezpur 2,05,000
10. 05.11.2002 Jaguar Ambala 76,75,440
11. 14.11.2002 MiG 21 T 69 Bagdogra Under process
12. 19.12.2002 MiG 27 ML Kalaikunda 48,240
13. 26.12.2002 MiG 21 BIS Srinagar 12,53,000
14. 04.04.2003 MiG-23 BN Halwara 62,11,080
15. 07.04.2003 MiG-21 Bison Ambala 10,43,400
16. 07.07.2003 MiG-23 BN Halwara 3,90,000
17. 20.02.2004 MiG-21 M Bhuj Under process
18. 28.04.2004 MiG-27 Jodhpur Under process

ANNEXURE-III AS REFERRED TO IN REPLY TO PARTS (a) TO (h) OF THE LOK SABHA STARRED QUESTION NO.25 FOR ANSWER ON 02.12.2004

Sl.No. Date of accident Type of Aircraft Causes of Responsibility fixed/Action taken  
accident

1. 10.04.2001 MIG 21 BIS HE(A) Review of Operational procedures and provision of simulators
2. 06.05.2001 MIG 21 BIS HE(A) Disciplinary and Administrative actions taken against senior supervisors
3. 08.06.2001 MIG 21 M TD(E) Maintenance improvements at overhaul agency
4. 04.07.2001 MiG 29 HE Nil, as pilot killed
5. 05.07.2001 MiG 23 UB TD(E) Maintenance improvements at overhaul agency
6. 28.08.2001 MiG 21 FL BH Bird hazard combat measures improved
7. 21.08.2001 MiG 23 BN HE(A) Administrative action taken against pilot
8. 17.09.2001 MiG 21 BIS HE(A) Improved monitoring and training of pilots
9. 26.09.2001 MiG 21 M TD Modification of component and maintenance improvements
10. 25.10.2001 Jaguar HE(A) Administrative action taken against pilots and supervisors
11. 13.12.2001 MiG 21 BIS TD Modification of component and maintenance improvements
12. 27.12.2001 MiG 21 FL HE Administrative taken action against pilot
13. 04.01.2002 MiG 25 HE(A) Administrative taken action against pilot
14. 21.02.2002 MiG 23 BN TD(E) Maintenance improvements
15. 15.03.2002 MiG 23 MF HE(A) Administrative taken action against pilot
16. 04.04.2002 MiG 21 BIS TD(E) Administrative taken action against maintenance personnel
17. 11.04.2002 MiG 29 HE(A) Administrative taken action against supervisors
18. 20.04.2002 MiG 21 T69 HE(A) Maintenance and training improvements
19. 26.04.2002 MiG 21 M HE(A) Administrative taken action against pilot
20. 03.05.2002 MiG 21 BIS TD(E) Administrative taken action against supervisors
21. 09.05.2002 Jaguar HE(A) Maintenance and training improvements

22. 07.06.2002 MiG 27 ML TD(E) Maintenance and training improvements  
 23. 26.06.2002 MiG 23 BN TD(E) Maintenance and training improvements  
 24. 27.06.2002 MiG 21 BIS HE(S) Under finalisation  
 25. 15.07.2002 MiG 21 T69 TD(E) Maintenance improvements on engines  
 26. 09.09.2002 MiG 21 BIS TD(E) Maintenance improvements on engines  
 27. 09.09.2002 MiG 21 BISON TD(E) Maintenance improvements on engines  
 28. 11.10.2002 MiG 21 T69 TD(E) Maintenance improvements on engines  
 29. 21.10.2002 MiG 21 BIS HE(A) Administrative action taken against supervisors  
 30. 05.11.2002 Jaguar TD Maintenance improvements  
 31. 14.11.2002 MiG 21 T 69 HE(A) Administrative action taken against supervisors and support services  
 32. 19.12.2002 MiG 27 ML MD Maintenance improvements and quality assurance at overhaul agency  
 33. 26.12.2002 MiG 21 BIS HE(A) Administrative action taken against pilot  
 34. 28.01.2003 Jaguar HE(A) Training improvements  
 35. 04.04.2003 MiG-23 BN TD(E) Maintenance improvements and review of modification  
 36. 07.04.2003 MiG-21 Bison TD(E) Maintenance improvements at overhaul agency and review of operational procedures  
 37. 04.06.2003 MiG-21 BIS HE(A) Training improvements  
 38. 07.07.2003 MiG-23 BN TD Maintenance improvements  
 39. 14.07.2003 MiG 21 T69B HE(A) Review of operational procedures  
 40. 22.07.2003 Jaguar HE(A) Administrative action taken against pilot  
 41. 28.11.2003 MiG-21 BIS HE(A) Administrative action taken against pilot  
 42. 04.12.2003 MiG-29 TD(E) Maintenance improvements  
 43. 07.02.2004 MiG-23 BN HE(A) Nil  
 44. 20.02.2004 MiG-21 M TD(E) Maintenance improvements  
 45. 26.02.2004 Jaguar TD Maintenance improvements on fuse  
 46. 02.04.2004 Jaguar HE(A) Administrative action taken against Commanding Officer  
 47. 28.04.2004 MiG-27 UI  
 48. 07.05.2004 Jaguar UI  
 49. 19.05.2004 MiG-27 ML UI  
 50. 23.09.2004 Mirage 2000 UI  
 51. 12.10.2004 Mirage 2000 UI  
 52. 01.11.2004 MiG 21 BIS UI  
 53. 05.11.2004 MiG 27 ML UI  
 54. 09.11.2004 Mirage 2000 UI

HE - Human Error  
 HE(A) - Human Error (Aircrew)  
 HE(S) - Human Error (Servicing)  
 TD - Technical Defect  
 TD(E) - Technical Defect (Engine)  
 MD - Manufacturing Defect  
 BH - Bird Hit  
 UI - Under Investigation