

**GOVERNMENT OF INDIA
MINISTRY OF CIVIL AVIATION
LOK SABHA
UNSTARRED QUESTION NO. : 3343
(To be answered on the 10th August 2015)**

AIRCRAFT/HELICOPTER ACCIDENTS

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Will the Minister of CIVIL AVIATION

नागर विमानन मंत्री

be pleased to state:-

- (a) the details of accidents involving civilian aircraft/helicopter taken place along with the loss of life and property reported during the last three years and the current year, airline, location and year-wise;**
- (b) whether the Government has conducted investigations into these accidents;**
- (c) if so, the details and the findings thereof along with the compensation paid to victims' families and the parameters being adopted therefor;**
- (d) the remedial steps taken or being taken by the Government to avert such accidents and for safe operations of aircraft/helicopters in the country; and**
- (e) the details of helicopter services being provided by the Government in the country along with the total number of helicopters under operation at present?**

ANSWER

Minister of State in the Ministry of CIVIL AVIATION

नागर विमानन मंत्रालय में राज्य मंत्री

(Dr Mahesh Sharma)

(a) to (c) The details of the accidents along with compensation details, is as per Annexure-"A". Payment of compensation to accident victims is governed by the provisions contained under the "Carriage by Air Act, 1972".

(d) The accidents are investigated by a Committee of Inquiry constituted under the provisions of the Aircraft (Investigation of Accident & Incident) Rules, 2012. The recommendations emanating from the such report are implemented so as to avoid recurrence of such accidents in future.

DGCA has taken the following steps for safe aircraft/helicopter operations:

(i) Accident / incident data is regularly analyzed and based on the analysis Air Safety Circulars are issued. (ii) As per the annual surveillance program, audit of the operators is carried out. Recommendations emanating from audit reports are followed up with the operator for implementation. The compliance of the action taken by the operator is further verified during the next audit.

(e) Helicopter services are provided by Pawan Hans Limited, a Public Sector Undertaking under the Ministry of Civil Aviation to various customers. The details are attached as at Annexure-"B".

Details of Aircraft Accidents

Serial No.	Date and Place	Type and registration of aircraft / No. of engines	Operator	Details of the Accident	Fatalities / Other damage	Probable cause established as per the investigation report	Compensation details
1.	15.01.2012 Raipur Airbase	Dhruv Helicopter VT-BSN	Border Security Force Air Wing	While performing vibrex check, helicopter met with an accident.	Nil Fatalities The aircraft was substantially damaged.	The accident is attributed to loss of situational awareness by the Pilot-in-Command (PIC) wherein he allowed the helicopter to enter Vortex Ring State during vertical descent. High rate of descent in low power settings had led to the onset of the phenomenon. The Flight crew failed to recognize the condition, therefore, stipulated recovery actions were not initiated. Instead, the PIC attempted to arrest the descent by raising Collective lever which aggravated the situation. Crew's fixation to vibrations' history of this helicopter and other speculated failures contributed towards misjudgement of the situation. Limited experience on type and inadequate knowledge of the helicopter systems also contributed towards the accident.	NIL compensation was paid
2.	03.02.2012 Dhana Airport, Madhya Pradesh	Cessna-172 VT-CAJ	Chimes Aviation	During landing, aircraft hit the ground on left shoulder of the runway on the nose wheel and left wing. Nose	Nil Fatalities Aircraft suffered major damage.	During the time of landing, the aircraft's nose attitude was high and the wrong procedure adopted by the trainee pilot as directed by the AFI to Go Around, resulted the aircraft to stall, leading to the accident.	Nil compensation was paid.

				wheel strut sheared off and a/c came to rest on its propeller and engine.			
3.	12.04.20 12 Near HAL Airport, Bangalore	Schweizer 300C Helicopter VT-HAV	Rotary Wing	Due engine failure, the helicopter fell on the roof top of a building resulting in the damage of the helicopter	<p>Nil Fatalities</p> <p>The helicopter suffered substantial damage.</p> <p>There was damage to the Building temporary and permanent structure due to impact of the helicopter main rotor blades and skids.</p>	The accident occurred due to mishandling of engine controls by the student pilot during base leg turn which led to the engine stoppage in flight.	Nil compensation was paid.
4.	09.05.20 12 Ranchi Airport	Augusta A109 helicopter VT-VKS	Aryan Aviation	Total 6 occupants on board. Helicopter could not land at Kucha due to some technical snag encountered. It returned back from overhead Kucha to Ranchi. The Helicopter impacted the ground at almost 1/3 rd length from	<p>Nil Fatalities</p> <p>The helicopter was substantially damaged.</p> <p>Minor damage was observed to the runway surface.</p>	The accident was caused due to the malfunction of TR Pitch Control Mechanism due to unwinding of Ring Nut from Duplex Bearing Support Sleeve in absence of the locking wires. Retention of negative TR blade pitch made pilot handling difficult during the landing. Improper handling of the emergency by the pilot was a contributed factor.	Nil compensation was paid.

				the beginning of runway 13 and toppled on the left side.			
5.	12.05.20 12 Dr. Ambedkar Airstrip, Meerut	X-Air F Microlight aircraft VT-UAG	Rajasthan Aerosports club Pvt. Ltd	Total 2 occupants on board. As the aircraft came over R/W 11 for landing/overshoot exercise and came to about 6 feet height over the runway surface and was in a process of carrying out go around, pilot felt that his wheel had impacted with some object. He immediately climbed and controlled the aircraft. However aircraft could not maintain the runway centreline. After switch off, when he came out from the aircraft, he came to know that Mr. Yogesh Garg, who was standing on the	01 Fatality The aircraft suffered minor damage	The aircraft during the low pass exercise flew very low over the runway at high speed, veered to the left and impacted the owner's head who was standing on the runway causing fatal injury to him.	Information not available.

				880 feet from the threshold of the runway 28 and made first contact on Kutcha. At the first point of contact on the ground, due to impact, both LH and RH main landing gear of the aircraft got detached from the aircraft structure and nose gear bent inside the aircraft	suffered substantial damage	incorrect power management during approach. This happened because crew tried to land the aircraft within shortest possible distance. Inadequate recent experience of Captain on type and confusion between pilots contributed to this error in skill and judgement.	
8	22.09.2012 at Delhi	Premier 1A VT-UPN	UP Government	During landing the aircraft started sinking uncontrollably and impacted the ground with left gear hitting the runway first. The aircraft rolled for some distance and then the left gear sheared off. The aircraft started veering towards the left of centre line. Prior to exiting the runway the right landing gear	NIL The aircraft suffered substantial damage.	After crossing the runway threshold, the pilot made corrections to control the drift and in the process of aligning the aircraft to the centre line of the runway could not flare out the aircraft adequately, which resulted into a heavy touchdown.	Nil compensation paid.

				also sheared off, thereafter the aircraft dragged in Kutchha on its belly before coming to final halt.			
9.	30.12.20 12 at Jammu	Bell 407 Helicopter VT-PHH	Pawan Hans Helicopters Limited	The helicopter carried out an emergency landing on a river bed at Katra due to power loss. On ground fire signs were observed. The main and tail rotor blades of the helicopter were damaged including Tail boom.	NIL The Helicopter suffered substantial damage.	Helicopter experienced power loss due to High cycle fatigue (HCF) failure of Single 03rd stage turbine blade. The pilot attempted for forced landing which eventually resulted into an accident.	Nil compensation paid.
10.	21.06.20 13 Rambara , Uttaranc hal	AS 350B3 VT-PED	Prabhatam Aviation	While landing at make shift helipad, one main rotor blade hit the cliff. The helicopter turned 90 degree and tail also hit the cliff. Helicopter sustained substantial damaged.	NIL The Helicopter suffered substantial damage.	During take off from temporary helipad by pilot to avoid sudden rush of unruly pilgrims, helicopters main rotor blades hit the mountain cliff resulting in substantial damage to the helicopter. Improper construction and location of temporary helipad along with improper crowd control was contributory factor to the accident.	Nil compensation was paid.
11.	28.06.20 13 Harsil,	Dauphin N3 VT- PHZ	Pawan Hans Pvt. Ltd.	Dauphin N3 Helicopter made a hard landing at	NIL The Helicopter	PIC while carrying out approach and landing under strong tail wind conditions, could not control the high	Nil compensation was paid.

	Uttarakh and			Harsil helipad during rescue operation at Uttarakhand.	suffered substantial damage.	rate of descend with the available reserve power (Max collective power). The helicopter entering into vortex ring state, becoming uncontrollable which eventually resulted into the heavy landing accident. Deployment of cockpit crew to operate in hilly/mountainous terrain by PHL operations without requisite hill flying training/recurrent training is a contributory factor to the accident.	
12.	29.06.20 13 Baramati Pune	Cessna 172 VT-BUD	Carver Aviation	After touch down the aircraft veered to the right of the runway and entered into soft and wet ground and thereafter toppled upside down.	NIL The Aircraft suffered substantial damage	The probable cause of accident was over correction of rudder given by the trainee pilot while landing in cross wind conditions. Winds was a contributory factor to the accident.	Nil compensation was paid.
13.	24.07.20 13 Kedarna	Bell 407 VT-TBE	Trans Bharat Aviation	The helicopter took off from Kedaranath Shrine	02 fatalities The Helicopter	A Committee has been appointed under Rule 11 of Aircraft (Investigation of Accidents & Incidents) Rules, 2012 to	Rs. 50 lakh was paid to the pilot by insurance company and Rs. 10

	th, Uttarakh and			helipad for Guptkashi, and it met with an accident at GarudChetti.	suffered substantial damage.	investigate the accident.	lakh by State Govt. Rs. 10 lakh to the technician by State Govt.
14.	07.08.20 13 Deoghar Airport, Jharkha nd	Motor Glider VT- GJH	Governmen t of Jharkhand.	The aircraft just after take off from Deoghar airport lost power at around 25 ft height above ground and in order to land back on runway went into high descent and crash landed just inside the airport premises.	NIL fatalities The aircraft suffered substantial damage.	The instructor's actions of initiating 1800 right turn with no engine power at low height is non adherence to SOP for engine failure which resulted into sudden loss of height. Due to which the right wing of motor glider hit the boundary wall of the airfield resulting into the accident. Perfunctory inspection schedule carried out by the AME/Maintenance Agency reflects poor maintenance of Motor glider/engine is a contributory factor.	Nil compensation was paid.
15.	14.08.20 13 Ahmeda bad	Robinson R44 VT- HPC	Pinnacle Airways	The helicopter when approximately at 3 miles south of Ahmedabad gave MAY DAY calls and made an forced emergency landing at GomtipurKabrastan (Cemetery), Ahmedabad.	NIL fatality The Helicopter suffered substantial damage.	A Committee has been appointed under Rule 11 of Aircraft (Investigation of Accidents & Incidents) Rules, 2012 to investigate the accident.	Nil compensation was paid.
16.	29.09.20 13 Murbad (Thane)	Bell 212 VT-HGB	United Heli Charters Pvt. Ltd.	The helicopter under VFR flight took off from Juhu airport and after 33 minutes of flight crashed into a hilly	05 fatalities The Helicopter was destroyed.	The accident was caused due to pilot continuing the flight in very poor visibility conditions with insufficient ground clearance and hitting the hill due to spatial disorientation. Non functioning of the weather radar and non familiarity of the	As per the details received from airlines, Rs. 30 Lakh was paid to each of the 02 crew covered under the company policy. Rs.

				terrain in Murbad (Thane District).		pilot with terrain along with lack of currency on the specific type contributed to the accident.	20 Lakh was paid to the engineer. *For the remaining 02 members manifested as passengers, the claim has been admitted but disbursal is awaited for want of legal heir certificates as insisted upon by the insurer
17.	24.12.20 13 Chindwa ra (MP)	DA-40 VT- FGE	IGRUA	The aircraft was under solo long VFR navigational cross country training flight took off from Gondia and after about 35 minutes of flight there was no contact with aircraft. The aircraft was not traceable. Search & Rescue was initiated and the aircraft wreckage was finally traced with fatally injured trainee pilot on 25.12.2013.	01 fatality The aircraft was destroyed.	A Committee has been appointed under Rule 11 of Aircraft (Investigation of Accidents & Incidents) Rules, 2012 to investigate the accident	Compensation of Rs. 05 lakhs was paid to the Student pilot.
18.	20.03.20 14 Fursatga nj	Cessna 152 VT-CAX	Trans Bharat	There was a fuel starvation and at about 6NM before Fursatganj Airfield the pilot carried out forced landing in a	NIL fatality The aircraft suffered substantial damage.	A Committee has been appointed under Rule 11 of Aircraft (Investigation of Accidents & Incidents) Rules, 2012 to investigate the accident	Nil compensation was paid.

				paddy field near Fursatganj.			
19.	27.03.2014 Chandigarh	B-200 VT-HRA	Govt. of Haryana	Just before getting airborne stiffness was found in rudder control by the pilot. The aircraft had lifted up to 10-15 feet. After lift-off, immediately the left rudder got locked in forward position resulting in the aircraft yawning and rolling to the left and within 3-4 seconds of getting airborne the aircraft impacted the ground in left bank attitude.	NIL fatality The Aircraft suffered substantial damage.	A Committee has been appointed under Rule 11 of Aircraft (Investigation of Accidents & Incidents) Rules, 2012 to investigate the accident.	Nil compensation was paid.
20.	03.09.2014 Kanpur	Cessna 152 VT-SGN	Garg Aviation Ltd.	On final approach ATC cleared the aircraft for landing and the aircraft suddenly veered off to the right from the approach track and declared MAY DAY. The ATC controller immediately activated the emergency services for search and	NIL fatalities The aircraft was substantially damaged.	A Committee has been appointed under Rule 11 of Aircraft (Investigation of Accidents & Incidents) Rules, 2012 to investigate the accident.	Nil compensation was paid.

				rescue. The aircraft was finally located on a roof top of an abandoned house.			
21.	06.11.20 14 Surat	B737-800 VT-SGK	Spice Jet	Aircraft during take off reported rejected Take off at 90 kts after hitting Wildlife (Buffalo). The incident took place at approx. 1336 UTC. Buffalo hit was on lower right side (aft looking forward) of LH Engine of the aircraft. Take off was abandoned and aircraft brought back to Apron. There was damage to the Aircraft Engine body.	NIL fatalities The aircraft was substantially damaged.	A Committee has been appointed under Rule 11 of Aircraft (Investigation of Accidents & Incidents) Rules, 2012 to investigate the accident.	NIL compensation was paid.
22.	19.11.20 14 Indore	Cessna 152 VT-EUE	MP Flying Club (MPFC)	Aircraft was involved in circuit and landing exercise and completed 02 sorties. During 03 rd sortie immediately after take off the aircraft crashed on the left side of the runway.	1 fatality The aircraft was substantially damaged	A Committee has been appointed under Rule 11 of Aircraft (Investigation of Accidents & Incidents) Rules, 2012 to investigate the accident.	NIL compensation and insurance has been paid to late Capt. Arshad Noor Qureshi. However medical reimbursement of Rs. 07 lakhs has been borne by MPFC in respect of Capt. Pawandeep Singh for his medical treatment.
23.	28.11.20 14 Guwaha	Pilatus PC-12/45 VT-DAR	Deccan Aviation Ltd.	During landing spark and smoke from the aircraft	NIL fatality The aircraft was	A Committee has been appointed under Rule 11 of Aircraft (Investigation of Accidents & Incidents) Rules, 2012 to	NIL compensation was paid.

	ti			was observed by the ATC. It was further observed that the nose wheel assembly got broke and separated from the aircraft and the aircraft was resting on its nose oleo leg.	substantially damaged.	investigate the accident.	
24.	08.03.20 15 Hubli	Q-400 VT-SUA	Spice Jet	After landing at Hubli aircraft veered towards the left side of the runway and in the process overrun the runway edge light followed by LH gear collapsed. Thereafter the aircraft exited the runway to its left side on Kutcha and came to the final stop at around 52m away from the runway centreline.	NIL fatality The aircraft was substantially damaged.	A Committee has been appointed under Rule 11 of Aircraft (Investigation of Accidents & Incidents) Rules, 2012 to investigate the accident.	NIL compensation was paid.
25.	13.04.20 15 Khajura ho	B737-800 VT-JGA	Jet Airways	The LH landing gear collapsed during landing roll. The crew carried out emergency evacuation.	NIL fatality The aircraft was substantially damaged.	A Committee has been appointed under Rule 11 of Aircraft (Investigation of Accidents & Incidents) Rules, 2012 to investigate the accident.	NIL compensation was paid.
26.	02.05.20 15 Bengurk oli, Coorg	ZENAIR STOL CH 701 VT-USO	Private	After completing the local sortie of about 2 hours 15 minutes, the microlight aircraft	1 fatality The aircraft was substantially damaged.	A Committee has been appointed under Rule 11 of Aircraft (Investigation of Accidents & Incidents) Rules, 2012 to investigate the accident.	NIL compensation was paid.

				<p>touched down but could not stop until 3/4h of the grass strip length when the pilot decided to go around and took off again. After take off the aircraft climbed to about 50 to 60 feet, turned left when it suddenly lost lift and fell on the ground impacting on nose first.</p>			
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Helicopter Services by Pawan Hans Ltd.

Sl.No	CUSTOMER	BASE	H/C TYPE
OPERATIONS UNDER WESTERN REGION			
A	OIL SECTOR (OFF SHORE)		
i)	ONGC	Mumbai	Dauphin N3
ii)	GSPC	Rajamundry	Dauphin N3
B.	NON OIL SECTOR		
i)	Lakshadweep	Kavarati	Dauphin N
II)	Maharashtra	Ghadchiroli	Dauphin N
OPERATIONS UNDER NORTHERN REGION			
i)	Andaman & Nicobar	Port Blair	Dauphin N
ii)	GAIL	Baroda	AS 350B3/Bell 407
iii)	NTPC	Delhi	Dauphin N3
iv)	Govt. of Odisha	Bhubaneswar	Dauphin N
v)	Himachal	Shimla	Mi-172
vi)	Amarnath	Srinagar	AS350B3
OPERATIONS UNDER EASTERN REGION			
i)	Sikkim	Gangtok	Bell 407
ii)	Tripura	Agartala	Dauphin
iii)	MHA	Guwahati	Dauphin N
iv)	Meghalaya	Guwahati	Dauphin N3
v)	Mizoram	Aizwal	Dauphin N
vi)	Arunachal Pradesh	Itanagar	Mi-172
		Naharlagun	Dauphin N
vii)	West Bengal	Kolkata	Dauphin N
viii)	Charter	Guwahati	Bell 206 L4
ix)	Nagaland	Kohima	Dauphin N