

**GOVERNMENT OF INDIA
MINISTRY OF CIVIL AVIATION
LOK SABHA
UNSTARRED QUESTION NO. : 817
(To be answered on the 21st November 2019)**

DISRUPTIONS IN FLIGHT OPERATIONS

**817. SHRI SUDHEER GUPTA
SHRI GAJANAN KIRTIKAR
SHRI BIDYUT BARAN MAHATO
SHRI SANJAY SADASHIV RAO MANDLIK**

Will the Minister of CIVIL AVIATION

नागर विमानन मंत्री

be pleased to state:-

- (a) whether some of the airlines witnessed four air turn back/inflight shut down recently leading to serious concern and disruption in the flight operation and if so, the details thereof;
- (b) whether the Government is aware that airlines which got disrupted were operating on Pratt and Whitney (P&W) engines and if so, the details thereof;
- (c) the details of Indian airlines which are operating on older Pratt and Whitney engines, airlines-wise;
- (d) whether the Government/ Directorate General of Civil Aviation (DGCA) has directed all the airlines using Pratt and Whitney engines to replace it by 31st January, 2020 following a series of recent incidents; and
- (e) if so, the details thereof and the response of the airlines companies in this regard?

ANSWER

Minister of State (IC) in the Ministry of CIVIL AVIATION

नागर विमानन मंत्रालय में राज्य मंत्री (स्वतंत्र पक्ष)

(Shri Hardeep Singh Puri)

(a) & (b) Yes, Sir. During the month of October and November 2019 (till 15.11.2019), 06 cases of air turn back/inflight shut down were reported by Indian scheduled airlines on aircraft fitted with Pratt and Whitney (P&W) 1100 G engines on Airbus A 320 Neo aircraft. There was no consequential damage to aircraft and no injuries to any person onboard the aircraft was reported for the 06 such cases. The details of occurrences are at Annexure.

(c) to (e) Two (02) Indian scheduled airlines operate aircrafts fitted with P & W 1100 G engines. The number of such aircraft operated by these two airlines is as under:

Indigo 98 (A320 - 91 and A321 - 07)

Go Air 38

In light of recent cases of inflight shutdown in Indigo fleet, the Directorate General of Civil Aviation (DGCA) has directed the airlines to replace all unmodified engines with modified engines by 31st Jan 2020. In the interest of safety, airlines flying A320 fitted with Pratt & Whitney (P&W) engines have been asked to operate only those aircraft which have at least one modified engine. DGCA is continuously monitoring the implementation of these directives.

be pleased to state:-

(a) whether some of the airlines witnessed four air air backflight shut down recently leading to serious concern and disruption in the flight operations and if so, the details thereof;

(b) whether the Government is aware of any airlines which got disrupted while operating on Pratt and Whitney (P&W) engines and if so, the details thereof for the details of such airlines, the number of aircraft operated on such P&W and whether engine, etc.

(c) whether the Government (DGCA) has directed the airlines to replace all the unmodified engines with modified engines in replacement of the engines following a series of recent incidents; and

(d) if so, the details thereof and the response of the airlines companies in this regard?

REPLY:

Minister of State (IC) to the Minister of Civil Aviation (DGCA) (Shri Hardeep Singh Paul)

(a) & (b) Yes Sir. During the month of March 2019 and November 2019 (11) 14.11.2019) 08 cases of air traffic backflight shut down were reported by the airlines operating on Pratt and Whitney (P&W) engines. The details of such incidents are as follows:-

(i) On 11.03.2019, an Airbus A320XLR aircraft operated by Indigo Airlines was disrupted while operating on P&W engines. The aircraft was reported for the 4th time. The details of the incident are as follows:-

(ii) On 11.03.2019, an Airbus A320XLR aircraft operated by Indigo Airlines was reported for the 4th time. The details of the incident are as follows:-

(iii) On 11.03.2019, an Airbus A320XLR aircraft operated by Indigo Airlines was reported for the 4th time. The details of the incident are as follows:-

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In response to Part (a) of LS USQ 817

DETAILS OF INCIDENT OF AIR TURN BACK/ INFLIGHT SHUT DOWN DURING THE MONTH OF OCTOBER AND NOVEMBER**2019**

S.No	Date/ Place	Sector	Operat or	Aircraft Type	Engine Type	Brief
1.	24.10.20 19 Kolkata	Kolkata- Chennai	Indigo	A320 NEO	Pratt & Whitney	Engine 2 stall and high vibration during climb. Checklist followed and engine 2 was shutdown inflight. Air turn back to Kolkata was carried out.
2.	25.10.20 19 Mumbai	Mumbai- Coimbatore	Indigo	A320 NEO	Pratt & Whitney	Engine 2 stall while climbing FL300 followed by high ENG vibration N2 reached more than 10. EGT observed was overlimit on ENG 2 ECAM.Engine was shutdown inflight as per procedure.
3.	26.10.20 19 Delhi	Delhi-Goa	Indigo	A320 NEO	Pratt & Whitney	Engine 2 Stall followed by Vibration to 10 units.Engine was shutdown inflight as per procedure.
4.	28.10.20 19 Ahmeda bad	Ahmedabad -Varanasi	Indigo	A320 NEO	Pratt & Whitney	Engine 2 high vibration N2 at 10000ft. Before checklist started N2 dropped to 4 units. After 15-20 seconds value increased to 5.5 units. Thrust reduced to reduce the vibration.
5.	30.10.20 19 Kolkata	Kolkata- Pune	Indigo	A320 NEO	Pratt & Whitney	Passing FL080 Big bang noise with high Engine 1 vibration was observed. Engine 1 thrust was reduced to idle. Air turn back to Kolkata was carried out.
6.	02.10.20 19 Patna	Patna- Hyderabad	Go Air	A320 NEO	Pratt & Whitney	During climb Engine 2 High Vibration ECAM caution came on. Within a short time, it went off. All engine parameters of both engines were normal. Air turn back carried out and a Safe landing was carried out at Patna.

