

**GOVERNMENT OF INDIA  
MINISTRY OF CIVIL AVIATION  
LOK SABHA  
UNSTARRED QUESTION NO. : 1047  
(To be answered on the 21<sup>st</sup> December 2017)**

**Regulation on Use of Drones**

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**Will the Minister of CIVIL AVIATION**

**नागर विमानन मंत्री**

**be pleased to state:-**

- (a) the number of cases of drones Unidentified Flying Objects (UFOs) which are a hazard for aeroplanes detected around airports across the country during the last three years and current year, year-wise;**
- (b) whether the Union Government has formulated any action plan for neutralizing drones, banning the use of drone cameras around airports across the country and if so, the details thereof;**
- (c) the number of complaints in this regard received from pilots across the country and the efforts being made by the government to curb such incidents which are a grave threat to flight safety;**
- (d) whether the Government has published Draft Guidelines on drone regulation taking into account international standards;**
- (e) whether Government agencies and private players are allowed to use drones for purposes such as monitoring oilfields and coalfields, if so the details of the Government and private organizations which currently use drones for their operations; and**
- (f) whether the Government has any proposal to introduce a licensing system for operation of drones/unmanned aerial vehicles and if so, the details thereof?**

**ANSWER**

**Minister of State in the Ministry of CIVIL AVIATION**

**नागर विमानन मंत्रालय में राज्य मंत्री**

**(Shri Jayant Sinha)**

(a) The number of cases of drones (UFOs) which are a hazard for aeroplanes, detected around airports across the country, year-wise, are as below:

2014 : Nil

2015 : 02

2016 : 09

2017 (till 15.12.17) : 18

(b) DGCA has restricted the civil use of drones/ unmanned aircraft systems (UAS) by non-Government agencies, organizations or individual until a dedicated Civil Aviation Requirements (CAR) comes into effect.

(c) No such information is available with this Ministry.

(d) No dedicated international standard is available as of now. However, the guidelines published by ICAO, and regulations of drones developed by various civil aviation authorities were analyzed during formulation of draft Civil Aviation Requirements (CAR) on operations of Remotely Piloted Aircraft System.

(e) Only Government Agencies/ PSUs were issued no-objections for operation of civil UAS for various purposes. Details have been enclosed at Annexure-A.

(f) There is no proposal to introduce any licensing system. However, in the draft CAR there is a provision for issuance of Unmanned Aircraft Operator Permit (UAOP) above certain weight category of drones.

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List of Govt./ PSUs for whom no-objection has been issued by DGCA for operations of UAS						
S. No.	Application Date	From	For Org	Purpose	Issue Date	Issued To
1	4/29/2015	Ministry of External Affairs (MEA)	M/s Cinetev, France	Aerial Filming for the documentary 'Inhabiting the World' - 'holy city and its architecture' in Varanasi from 2nd to 6th November, 2015	5/12/2015	XFM Section
2	8/20/2015	Odisha Space Applications Centre (ORSAC), Odisha	ORSAC, Odisha	Research and Development program for specific areas	9/21/2015	ORSAC
3	9/1/2015	State Disaster Response Force, (SDFR), Dehradun	SDFR, Dehradun	Rescue operation during disaster	9/21/2015	SORF
4	7/24/2015	National Tiger Conservation Authority (Under the Ministry of Environment, Forest and Climate Change)	NTCA, MEFCC	Surveillance and Habitat Monitoring Tool for Protection of Tigers	10/14/2015	NTCA
5	12/4/2015	DG, CRPF	CRPF	Trail operations of Mini UAV for 2 days (4th and 5th Dec)	12/4/2015	CRPF
6	12/11/2015	Power Grid Corp	Power Grid Corp	survey and inspection of Power Transmission	1/1/2016	Power Grid Corp
7	12/14/2015	North East Centre for Technology Application and Reach (NECTAR)	Govt. Departments	Monitoring and planning of development activities	1/13/2016	NECTAR
8	1/21/2016	Flood and River Erosion Management Agency of Assam (FREMAA)	Flood and River Erosion Management Agency of Assam (FREMAA)	Aerial photography and survey of the entire Brahmaputra reach in Assam	1/21/2016	Dr. KK. Dwivedi, IAS, CEO, FREMAA
9	1/6/2016	Chief Conservator of Forest & Field Director, Palamau Tiger Project Daltonganj	Department of Forest Environment and Climate Change, Government of Jharkhand	tracking of wild elephants straying close to human habitation and keep vigil on poachers, timber smugglers and control of forest fires in Letehar and Garhwa district of Jharkhand	3/21/2016	CCF&FD
10	3/4/2016	Department of Agriculture Research & Education and Indian Council of Agricultural Research	Ministry of Agriculture and Farmers Welfare	To showcase the application potential of low flying UAV based sensors for crop condition and soil health monitoring in Agricultural Fair-2016 in ICAR-IARI, New Delhi	3/8/2016	Secretary & DG, DARE & ICAR

11	2/24/2016	MNCFC, New Delhi	MNCFC	Agriculture: collecting high resolution images using drones through NECTAR	3/15/2016	MNCFC
12	4/4/2016	CRPF, Delhi	CRPF, Delhi	training of CRPF personnel's at CRPF, Jharoda Kalan, Najafgarh, Delhi from 05-04-2016 to 25-04-2016	4/4/2016	CRPF
13	4/5/2016	SP, Ujjain, MP	Madhya Pradesh Police	Aerial Surveillance	4/11/2016	SP Ujjain
14	4/29/2016	Division of Agricultural Engineering, ICAR-IARI, New Delhi	IIT Kharagpur	Agriculture - spraying pesticides on crops	5/4/2016	Dr. J.P. Sinha, IARI
15	4/29/2016	Air Headquarters	Science & Technology Park, Govt. of India	Aerial Survey in and around Air Force Station Gurgaon	5/6/2016	WgCdr P Prasad) JD Ops (ATS), Air headquarters
16	5/4/2016	CRPF, Delhi	CRPF, Delhi	training of CRPF personnel's at CRPF, Talaja, Navi Mumbai from 09-05-2016 to 13-05-2016 and 16-05-2016 to 20-05-2016	5/5/2016	Shri. P.R. Jha, DC (UAV), CRPF
17	5/11/2016	BCCI	Quidich	Aerial Filming	5/23/2016	BCCI
18	5/20/2016	GAIL (India) Ltd	M/s Delair Tech, France	Surveillance of gas pipeline	5/24/2016	GAIL (India) Ltd
19	5/19/2016	Airports Authority of India	IIT Madras	Aerial Mapping	5/31/2016	AAI
20	6/28/2016	Nagpur Metro Rail Corporation Limited	M/s Sky Technologies, Nagpur	Aerial Survey for metro line	8/8/2016	NMRCL
21	7/7/2016	Power Grid Corp	Power Grid Corp	Tower top/ aerial patrolling	11/16/2016	AGM, PGCIL, Kolkata
22	8/11/2016	Central Mine Planning & Design Institute Limited, Ranchi	Central Mine Planning & Design Institute Limited, Ranchi	Survey/ Mapping	2/13/2017	CMPDI Ltd. Ranchi
23	10/19/2016	Tamil Nadu Forest Department. tnforest@nic.in	Tamil Nadu Forest Department. tnforest@nic.in	No objection required for procurement of drones	11/4/2016	Tamil Nadu Forest Department. tnforest@nic.in
24	10/20/2016	Additional Director General, Ministry of Tourism, New Delhi	ITC hotels & The Luxury Collection	Aerial photography / videography	10/21/2016	Ministry of Tourism
25	10/21/2016	Signal Training School, BSF, New Delhi	Signal Training School, BSF, New Delhi	Technical evaluation of micro-UAV as part of Tender Enquiry	10/26/2016	Signal Training School, BSF, New Delhi
26	10/21/2016	Energy, Infrastructure & Investment and CRDA Departments, Hyderabad	APSFL, Government of Andhra Pradesh	Import & use of drones for governance purposes	10/26/2016	APSFL, Government of Andhra Pradesh
27	11/8/2016	o/o Deputy Commissioner of Police Provisioning & Logistics, Delhi	Indago VTOL, IdeaForge Etc.	Demonstration for aerial surveillance	1/30/2017	o/o Deputy Commissioner of Police Provisioning & Logistics, Delhi
28	12/29/2016	Signal Training School, BSF, New Delhi	Signal Training School, BSF, New Delhi	Clearance for micro-UAV flight	1/9/2017	Signal Training School, BSF, New Delhi



29	1/30/2017	MNCFC, New Delhi	NECTAR, Gol	Agricultural use	2/7/2017	Director, MNCFC, New Delhi
30	2/8/2017	Power Grid Corp	Power Grid Corp	Aerial Survey - Powerlines	2/27/2017	AGM, PGCIL, Gurgaon
31	2/28/2017	Daund Municipal Council	Science & Technology Park, University of Pune	Aerial survey	3/24/2017	Daund Municipal Council
32	2/22/2017	Jalgaon City Municipal Corporation	Science & Technology Park, University of Pune	Aerial survey	3/24/2017	Jalgaon City Municipal Corporation
33	3/18/2017	Bihar State Disaster Management Authority, Patna	Skymet weather services pvt. Ltd., Noida	showcase in Bihar Divas 2017	3/22/2017	Bihar State Disaster Management Authority, Patna
34	4/3/2017	National Capital Region Transport Corporation, New Delhi	M/s Quidich Innovation Labs Pvt.Ltd	Aerial survey	5/17/2017	National Capital Region Transport Corporation, New Delhi
35	4/11/2017	North Eastern Railway, Varanasi	M/s Indshine Energy Pvt. Ltd, New Delhi	Aerial Survey	6/12/2017	North Eastern Railway, Varanasi
36	5/15/2017	HP State Council for Science Technology & Environment, Shimla	Sensfly, Switzerland & Sharda University	Import permission & aerial survey	7/31/2017	HP State Council for Science Technology & Environment, Shimla
37	5/22/2017	CSIR-Institute of Himalayan Bioresource Technology, Palampur, HP	CSIR-Institute of Himalayan Bioresource Technology, Palampur, HP	No objection required for procurement of drones	6/15/2017	CSIR-Institute of Himalayan Bioresource Technology, Palampur, HP
38	6/9/2017	Govt. of Uttarakhand Secretariat	c/o Chief Project Director, Uttarakhand Forest Resources Management Project	Aerial Survey	6/15/2017	c/o Chief Project Director, Uttarakhand Forest Resources Management Project
39	6/23/2017	ED, NTPC Limited, Noida	ED, NTPC Limited, Noida	Aerial Survey, inspection and monitoring of NTPC sites	7/6/2017	ED, NTPC Limited, Noida
40	7/24/2017	Office of the Surveyor General of India, Dehradun	Office of the Surveyor General of India, Dehradun	Aerial Survey	9/27/2017	Office of the Surveyor General of India, Dehradun
41	8/29/2017	DIG (Communications) DG, CRPF, New Delhi	DIG (Communications) DG, CRPF, New Delhi	Trial operations	8/30/2017	DIG (Communications) DG, CRPF, New Delhi
42	8/24/2017	Sashastra Seema Bal, MHA, New Delhi	28BN SSB Antagarh (Chattisgarh), Sector Hqrs. Bhilai	Aerial Surveillance	9/6/2017	Sashastra Seema Bal, MHA, New Delhi
43	9/14/2017	IIT, Guwahati	IIT, Guwahati	Import permission	10/6/2017	IIT, Guwahati
44	9/28/2017	Sashastra Seema Bal, MHA, New Delhi	16th BN SSB Jammui (Bihar)	Aerial Surveillance	10/6/2017	Sashastra Seema Bal, MHA, New Delhi
45	9/22/2017	Hindustan Petroleum Corporation Ltd, Mumbai	Idea Forge Technology Pvt. Ltd	Rewari Kanpur Pipeline Survey	10/10/2017	Hindustan Petroleum Corporation Ltd, Mumbai

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