

**GOVERNMENT OF INDIA  
MINISTRY OF CIVIL AVIATION  
LOK SABHA  
UNSTARRED QUESTION NO. : 4682  
(To be answered on the 31<sup>st</sup> March 2022)**

**USE OF UAVS FOR MEDICINES**

**4682. SHRI DUSHYANT SINGH**

**Will the Minister of CIVIL AVIATION**

**नागर विमानन मंत्री**

**be pleased to state:-**

- (a) whether the Government is using Unmanned Aerial Vehicles(UAVs)/Drones to deliver medicines to remote areas in the country and if so, the details of the States implementing the programme;**
- (b) whether the Government has executed any pilot project before allowing UAVs for this project;**
- (c) if so, the details thereof and if not, the basis on which this project was approved for roll out;**
- (d) the details of the Corona vaccine doses and other medical products transported using the UAVs in the country across the States;**
- (e) whether the Government has reviewed the project for assessing the cost and time effectiveness as compared with normal transportation and if so, the details thereof;**
- (f) the details of the private agencies involved in providing UAV services in the roll out of the project; and**
- (g) whether the UAVs experienced any crash landings while transporting the medical services and if so, the details thereof?**

**ANSWER**

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

**नागर विमानन मंत्रालय में राज्य मंत्री**

**(GEN. (DR) V. K. SINGH (RETD))**

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**(a) to (e) Yes, Sir. Permissions have been granted by the Government for experimental delivery of essential healthcare items and Covid-vaccine using drones in the States of Maharashtra, Manipur, Nagaland, Telangana, Uttar Pradesh and Union Territory of Andaman and Nicobar islands.**

**The permissions have been granted to:**

**(i) Department of Health and Family Welfare for delivery of essential healthcare items in Meghalaya on 2nd July 2021.**

**(ii) National Health Mission, Mumbai for delivery of essential healthcare items in tribal areas of Palghar District in Maharashtra on 13th August 2021.**

- (iii) Indian Council of Medical Research (ICMR) for conducting feasibility study of Covid-19 vaccine delivery at Indian Institute of Technology (IIT), Kanpur, Uttar Pradesh on 22nd April 2021.**
- (iv) ICMR for Covid vaccine delivery in the States of Manipur, Nagaland and Union Territory of Andaman and Nicobar islands on 10th September 2021.**
- (iv) Government of Telangana for Covid vaccine delivery under the 'Medicine from the Sky' project on 11th September 2021 in Vikarabad District, Telangana.**

**Given the reach, versatility and ease of use of this fast-evolving technology, the pilot projects that used drones for various purposes have found that drones take significantly lesser time as compared to road transportation.**

**(f) The private agencies that were involved in providing drone services in the afore-mentioned pilot projects are as follows:**

- (i) CDSpace Robotics Pvt. Ltd.**
- (ii) Daybest Pvt. Ltd.**
- (iii) TechEagle Innovations Pvt. Ltd.**
- (iv) BlueInfinity Innovation Labs Pvt. Ltd.**
- (v) Marut Dronetech Pvt Ltd**
- (vi) Dunzo Med Air Consortium**
- (vii) Blue Dart Med Express Consortium**
- (viii) CurisFly Consortium**
- (ix) Flipkart - DroneAcharya - Skye Air consortium**
- (x) Redwing Labs**
- (xi) Airserve Initiatives**

**(g) No information has been received by the Government regarding crash landing of drones while transporting the essential healthcare items and Covid-vaccines.**

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