

GOVERNMENT OF INDIA
MINISTRY OF AGRICULTURE & FARMERS WELFARE
DEPARTMENT OF AGRICULTURE & FARMERS WELFARE

RAJYA SABHA
UNSTARRED QUESTION NO. 987
TO BE ANSWERED ON 10/02/2023

RATE OF ADOPTION OF KISAN DRONES

987. SMT. VANDANACHAVAN:

Will the Minister of AGRICULTURE AND FARMERS WELFARE be pleased to state:

- (a) the adoption rate of Kisan Drones in the country by farmers, so far;
- (b) whether their usage will reduce the employment of farm labourers; and
- (c) if so, the list of measures being taken to ensure their security?

ANSWER

MINISTER OF AGRICULTURE AND FARMERS WELFARE

(SHRI NARENDRA SINGH TOMAR)

(a) to (c): The Department of Agriculture and Farmers Welfare (DA&FW) is promoting adoption of Kisan Drones by the farmers. Standard Operating Procedures (SOPs) which provide concise instructions for effective and safe operations of drones for pesticide and nutrient application have been released. Financial assistance is also provided under Sub-Mission on Agricultural Mechanization (SMAM) as per the details given as under:

(i) Financial assistance @ 100% of the cost of drone up to a maximum of Rs. 10 lakhs per drone is provided for purchase of drones by institutes under Indian Council of Agricultural Research, Krishi Vigyan Kendras (KVKs), State Agriculture Universities (SAUs), State and other Central Government Agricultural Institutions/Departments and Public Sector Undertakings (PSUs) of Government of India engaged in agricultural activities. The Farmers Producers Organizations (FPOs) are provided grants up to 75% of the cost of agriculture drone for its demonstrations on the farmers' fields. A contingency expenditure of Rs.6000 per hectare is provided to implementing agencies that do not want to purchase drones but will hire drones for demonstrations from Custom Hiring Centres, Hi-tech Hubs, Drone Manufacturers and Start-Ups. The contingent expenditure to implementing agencies that purchases drones for drone demonstrations is limited to Rs.3000 per hectare.

(ii) In order to make available drone services to farmers on rental basis, financial assistance @ 40% up to a maximum of Rs. 4.00 lakhs are provided for purchase of drones by Custom Hiring Centers (CHCs) under Cooperative Society of Farmers, FPOs and Rural entrepreneurs. Agriculture graduates establishing CHCs are eligible to receive financial assistance @ 50% of the cost of drone up to a maximum of Rs.5.00 lakhs per drone.

(iii) For individual purchase of drones, the Small and Marginal, Scheduled Caste/Scheduled Tribe, Women and North Eastern State farmers are provided financial assistance @ 50% of the cost up to a maximum of Rs. 5.00 lakhs and other farmers @ 40% up to a maximum of Rs. 4.00 lakhs.

Based on the proposals received so far, the funds amounting to Rs. 126.99 crores have been released towards Kisan Drone promotion which include Rs. 52.50 crores released to the ICAR for purchase of 300 Kisan Drones and organizing their demonstrations on the farmers' fields in 75000 hectares through 100 KVKs, 75 ICAR institutions and 25 SAUs. It also includes funds released to various State Governments for supply of more than 300 Kisan Drone to farmers on subsidy and establishment of more than 1500 Kisan Drone CHCs to provide drone services to the farmers. The use of Kisan Drones has a potential to provide ample opportunities of employment to people in rural areas.
