

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

LOK SABHA
UNSTARRED QUESTION NO. 1307
TO BE ANSWERED ON THE 11TH FEBRUARY 2025

**SUBSIDIES FOR DRONES UNDER SUB-MISSION ON AGRICULTURAL
MECHANISATION**

1307. SHRI DAGGUMALLA PRASADA RAO:

Will the Minister of AGRICULTURE AND FARMERS WELFARE कृषि एवं किसान कल्याण मंत्री be pleased to state:

- (a) the number of post harvest technology projects established under Sub Mission on Agriculture Mechanization (SMAM), State and district-wise particularly for Andhra Pradesh;
- (b) the details of districts identified having low farm power availability, State and district-wise particularly for the Andhra Pradesh;
- (c) whether drones for usage in the field of agriculture can be purchased under the said scheme;
- (d) if so, the number of farmers that have been provided subsidies for purchase of drones under the scheme, State and district-wise particularly in Andhra Pradesh; and
- (e) the details of the number of farmers that have purchased drones under the scheme, State and district-wise particularly in Andhra Pradesh?

ANSWER

MINISTER OF STATE FOR AGRICULTURE AND FARMERS WELFARE
कृषि एवं किसान कल्याण राज्य मंत्री (SHRI RAMNATH THAKUR)

(a): The Sub-Mission on Agricultural Mechanization' (SMAM) is one of the Centrally Sponsored Scheme of the Rashtriya Krishi Vikas Yojana (RKVY) implemented through the State Governments. Under this scheme, financial assistance is provided to the farmers for purchase of agricultural machines and equipments including the post harvest and processing machines on individual ownership basis. Financial assistance is also provided for establishment of Custom Hiring Centres (CHCs) and Village Level Farm Machinery Banks (FMBs) in order to provide machines and equipments to the farmers on rental basis as per their requirements. The CHCs and FMBs include a mix of crop production and post harvest & processing machines and thus the information separately for post harvest technology projects is not available. However, the State-wise number of machines supplied to the individual farmers and number of CHCs/Hi-tech Hubs/FMBs established including that of post harvest & processing machines since inception of the scheme in 2014-15 till 2024-25 (as on 30.01.2025) is given at Annexure-I.

(b): As per the impact evaluation study of SMAM submitted by the WAPCOS Limited in November 2020, the average farm power availability in India was 2.49 Kilowatt per Hectare. The State-wise list of districts having farm power availability less than 2.49 kilowatt per hectare including the districts of the State of Andhra Pradesh are given in Annexure-II.

(c) to (e): Under SMAM, financial assistance @ 100% of the cost of drone up to a maximum of Rs. 10 lakhs per drone is provided for its purchase and demonstration on the farmers' fields by the institutes under Indian Council of Agricultural Research (ICAR), Farm Machinery Training & Testing Institutes, 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 Kisan Drone for its demonstrations on the farmers' fields. 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 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. For purchase of drones on individual ownership basis, 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 per drone.

The State-wise and institution-wise number of drone approved by the Department of Agriculture and Farmers Welfare so far under SMAM is given in Annexure-III. The district-wise allocation is made by the State Governments and as per information provided by the Department of Agriculture, Government of Andhra Pradesh, the district-wise drone allocation under SMAM has not been made by the State.

Annexure-I

State-wise details of funds released, machines distributed and CHCs/Hi-Tech Hubs/FMBs established under SMAM since 2014-15 to 2024-25 (as on 30.01.2025)

State	FUNDS RELEASED (RS. IN CRORE)	NOS. OF AGRICULTURAL MACHINERY DISTRIBUTED	NOS. OF CUSTOM HIRING CENTRES/HI-TECH HUBS/FARM MACHINERY BANKS ESTABLISHED
Andhra Pradesh	855.37	251514	10598
Arunachal	65.87	40824	13
Assam	123.71	3163	787
Bihar	157.23	39535	2005
Chhattisgarh	321.05	102736	2978
Gujarat	92.73	29733	247
Haryana	266.54	24870	2313
HP	173.81	43637	53
J&K	76.71	19822	387
Jharkhand	33.95	0	527
Karnataka	1036.38	306785	790
Kerala	298.1	118105	1687
MP	511.85	279300	1778
Maharashtra	602.93	103525	1430
Manipur	113.14	20283	820
Meghalaya	25.19	2457	8
Mizoram	43.7	5730	339
Nagaland	231.65	21373	609
Orissa	346.99	81831	1778
Punjab	109.18	13648	1267
Rajasthan	145.21	32793	1854
Sikkim	51.47	7128	52
Tamil Nadu	803.92	80758	4153
Telengana	55.67	28954	195
Tripura	185.7	54915	727
UP	671.56	182346	11591
Uttarakhand	342.75	42294	2400
West Bengal	101.79	10997	774
D&D Nagar Haveli	1.10	89	0
Puducherry	10.00	621	13
Ladhakh	1.03	1314	0
TOTAL	7856.28	19,51,080	52,173

State-wise list of districts having farm power availability less than 2.49 kilowatt per hectare (kW/ha)

Sl. No.	Name of the State	District having Farm Power availability less than 2.5 kw/ha
1	Andhra Pradesh	Anantapur, East Godavari, Guntur, Kurnool, Prakasam, Srikakulam, Visakhapatnam, Vizianagaram
2	Arunachal Pradesh	Anjaw, Changlang, Dibang Valley, East Kameng, East Siang, Lower Subansiri, Papum pare, Tawang, Tirap, Upper Siang, Upper Subansiri, West Kameng, West Siang, Lower dibang valley
3	Assam	Baksa, Barpeta, Bongaigaon, Cachar, Chirang, Darrang, Dhemaji, Dhubri, Dibrugarh, Dima Hasao, Goalpara, Golahgat, Hailakandi, Kamrup (R&L), Karbi Anglong, Karimganj, Kokrajhar, Lakhimpur, Morigaon, Nagaon, Sivasagar, Sonitpur, Tinsukia, Udalguri
4	Bihar	Araria, Arwal, Aurangabad, Banka, Buxur, Gopalganj, Katihar, Kishanganj, Lakhisarai, Madhubani, Medhepura, Sheohar, Sitamarhi, Supaul
5	Chhatisgarh	Gariyaband, Balodabazaar, Mahasamund, Durg, Balodabazaar, Bantera, Rajnandgaon, Kabirdham, Jagdalpur, Kondagaon, Kaker, Dantewada, Sukma, Narayanpur, Bijapur, Bilaspur, Mungeli, Korba, Janjgir, Raigarh, Surguja, Surajpur, Balrampur, Koriya, Jashpur
6	Gujarat	Amreli, Anand, Bharuch, Dohad, Gandhinagar, Jamnagar, Kachchh, Navsari, Patan, Porbandar, Surendranagar
7	Haryana	Bhiwani
8	Himachal Pradesh	Bilaspur, Chamba, Hamirpur, Kangra, Kinnaur, Kullu, Lahaul & Spiti, Mandi, Shimla, Sirmaur, Solan
9	Jammu & Kashmir	Anantnag, Baramulla, Budgam, Doda, Kupwara, Leh, Poonch, Pulwama, Rajouri, Udhampur
10	Jharkhand	Chatra, Deoghar, Dhanbad, Dumka, Garhwa, Godda, Gumla, Hazaribagh, Jamtara, Latehar, Lohardaga, Pakur, Palamau, Ranchi, Sahebganj, Saraikela, Simdega
11	Karnataka	Bagalkote, Ballari, Bidar, Chamarajnagar, Chikkaballapura, Chikkamagaluru, Chitradurga, Davangere, Dharwad, Gadag, Haveri, Kalaburagi, Kodagu, Koppal, Mysuru, Raichur, Yadgiri
12	Kerala	Ernakulam, Idukki, Kannur, Kasaragod, Kollam, Kottayam, Kozhikode, Malappuram, Palakkad, Pathanamthitta, Thiruvananthapuram, Wayanad
13	Madhya Pradesh	Anuppur, Ashoknagar, Balaghat, Barwani, Betul, Bhind, Bhopal, Burhanpur, Chhatarpur, Chhindwara, Damoh, Datia, Dhar, Dindori, Harda, Hoshangabad, Jabalpur, Jhabua, Katni, Mandla, Narsimhapur, Panna, Raisen, Rajgarh, Rewa, Sagar, Satna, Sehore, Seoni, Shahdol, Shajapur, Sidhi, Umaria, Vidisha

14	Maharashtra	Ahmadnagar, Akola, Amravati, Aurangabad, Bhandara, Bid, Buldana, Chandrapur, Dhule, Gadchiroli, Gondiya, Hingoli, Jalgaon, Jalna, Kolhapur, Latur, Nagpur, Nanded, Nandurbar, Osmanabad, Parbhani, Pune, Raigarh, Ratnagiri, Sangli, Satara, Sindhudurg, Solapur, Thane, Wardha, Washim, Yavatmal
15	Manipur	Bishnupur, Chandel, Churachandpur, Imphal East, Imphal West, Senapati, Tamenglong, Thoubal, Ukhrul
16	Meghalaya	East Garo Hills, East Khasi Hills, Jaintia Hills, Ribhoi, South Garo Hills, West Garo Hills, West Khasi Hills
17	Mizoram	Aizawl, Champhai, Kolasib, Lawngtlai, Lunglei, Mamit, Saiha, Serchhip
18	Nagaland	Kiphire, Kohima, Longleng, Mokokchung, Mon, Peren, Phek, Tuensang, Wokha, Zunheboto
19	Orissa	Anugul, Bargarh, Bhadrak, Balangir, Boudh, Deogarh, Dhenkanal, Gajapati, Ganjam, Jaipur, Jharsuguda, Kalahandi, Kendrapara, Keonjhar, Koraput, Malkangiri, Mayurbhanj, Nabarangpur, Nayagarh, Nuapada, Phulbani, Rayagada, Sambalpur, Sonepur, Sundargarh
20	Punjab	Barnala, Moga, Muktsar, Shahid Bhagat Singh Nagar, Tarn Taran
21	Rajasthan	Ajmer, Alwar, Banswara, Baran, Barmer, Bharatpur, Bhilwara, Bikaner, Bundi, Chittorgarh, Churu, Dausa, Dholpur, Dungarpur, Ganganagar, Hanumangarh, Jaipur, Jaisalmer, Jalore, Jhalawar, Jhunjhunu, Jodhpur, Karauli, Kota, Nagour, Pali, Pratapgarh, Rajsamand, S. Madhopur, Sikar, Sirohi, Tonk, Udaipur
22	Sikkim	North Sikkim, South Sikkim, West Sikkim
23	Tamil Nadu	Kanniyakumari, Perambalur, Ramanathapuram, Sivagangai, Theni, Thoothukkudi, Tiruchirappalli, Virudhunagar
24	Telangana	Adilabad, Hyderabad, Mahbubnagar
25	Tripura	Dhalai, North Tripura, South Tripura, West Tripura
26	Uttar Pradesh	Aligarh, Ambedkar Nagar, Auraiya, Bahraich, Ballia, Banda, Chitrakoot, Etawah, Fatehpur, Hamirpur, Hardoi, Jalaun, Kanpur Dehat, Kanpur Nagar, Kaushambi, Mainpuri, Shrawasti
27	Uttarakhand	Almora, Bageshwar, Chamoli, Champawat, Dehradun, Garhwal, Pithoragarh, Rudraprayag, Tehri Garhwal, Uttarkashi
28	West Bengal	Bankura, Dakshin Dinajpur, Darjiling, Jalpaiguri, Cooch Behar, Maldah, Paschim Medinipur, Purba Medinipur, Puruliya, South Twenty Four Parganas, Uttar Dinajpur

Annexure- III**State-wise and Institution-wise Numbers of Drones approved /distributed under
Sub Mission on Agricultural Mechanization (SMAM)**

S. No.	State	No. of drones for distribution to individual farmers	Number of Drones for distribution to the CHCs	Number of drones for demonstration
1.	Andhra Pradesh	-	1475	-
2.	Arunachal Pradesh	2	-	-
3.	Bihar	5	-	-
4.	Chhattisgarh	-	50	-
5.	Karnataka	-	7	-
6.	Kerala	24	-	-
7.	Madhya Pradesh	300	-	-
8.	Maharashtra	17	25	-
9.	Manipur	-	4	-
10.	Nagaland	-	2	-
11.	Tamil Nadu	10	-	-
12.	Uttar Pradesh	158	-	-
13.	Uttarakhand	2	32	-
14.	West Bengal	4	-	-
15.	Puducherry	5	-	-
16.	Indian Council of Agricultural Research (ICAR)	-	-	170
17.	Agricultural Universities including State Agricultural Universities	-	-	33
18.	Krishi Vigyan Kendras (KVKs)	-	-	93
	Total	527	1595	296
