

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

RAJYA SABHA
UNSTARRED QUESTION NO. 654
TO BE ANSWERED ON THE 24/07/2026

STATUS OF DIGITAL AGRICULTURAL SERVICES IN UTTAR PRADESH

654 # SMT. DARSHANA SINGH

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

- (a) whether any special provisions have been made to provide Artificial Intelligence (AI) and drone-based agricultural services to farmers, if so, the details thereof, including the facilities, training, financial assistance, and the State-wise and district-wise number of beneficiaries in the Uttar Pradesh; and
- (b) the current status of connecting farmers with digital agricultural services across States and Union Territories, along with the district-wise number of Farmer IDs created in Uttar Pradesh and the number of farmers benefiting from digital agricultural services?

ANSWER

THE MINISTER OF STATE FOR AGRICULTURE AND FARMERS WELFARE
(SHRI RAMNATH THAKUR)

- (a): The Ministry of Agriculture and Farmers Welfare has initiated several Artificial Intelligence (AI) and drone related projects. These are being used for farmer advisories, pest control, crop identification, insurance, delivery of scheme benefits, and governance analytics. Under the Digital Agriculture Mission, the Government also supports the States for projects involving modern digital technology, such as Artificial Intelligence and Machine Learning, Blockchain Technology, the Internet of Things, Robotics, etc. Further, the Government also provides technical assistance and financial support for human resources to the States/UTs for implementing the projects and capacity-building to enhance farmers' access to AI-enabled technologies and digital services. Some key AI initiatives of the government are as follows:
- I. National Pest Surveillance System (NPSS) – This system tackles the loss of produce by utilizing AI and Machine Learning to detect pest infestation in crop issues, enabling timely intervention for healthier crops. This tool, currently used by over 10,000 extension workers, allows farmers to capture images of pests to help them mitigate pest attacks and reduce crop losses. At present, it supports 73 crops over 436 pests. AI-based analytics using field photographs for satellite-based crop mapping is being used in Crop-weather matching monitoring of crops sown.

II. AI-based Monsoon and Weather Advisory: The India Meteorological Department (IMD) provides AI-based monsoon and weather advisories to support informed agricultural decision-making. The advisories enable farmers to plan agricultural operations based on timely and location-specific weather forecasts. As on date, the initiative has reached approximately 5.28 crore farmers.

III. BharatVistaar: BharatVistaar (Virtually Integrated System to Access Agricultural Resources) is a multilingual Artificial Intelligence (AI)-powered Digital Public Infrastructure (DPI) for Agriculture. The platform provides farmers with AI-enabled, real-time and location-specific agricultural advisories and access to Government schemes and agricultural support services.

As on date, the platform has served over 3 lakh farmers and addressed more than 72 lakh farmer queries. It provides information on 18 Central Government schemes, crop and livestock advisories, weather forecasts, mandi prices, pest and disease identification, soil health-based recommendations and grievance redressal.

The platform is available through a web portal, mobile application, AI chatbot and dedicated telephone line. At present, BharatVistaar Telephone service is available in 2 languages, i.e. Hindi and English; however, the chatbot, web portal, and mobile application are available in 10 languages.

IV. Use of drones are promoted under Sub-Mission on Agriculture Mechanization (SMAM) by providing assistance up to 50% for agriculture graduates, Small and Marginal farmers of the North Eastern States for procuring kisan drones. For other farmers, financial assistance for the purchase of Kisan Drones is provided at 40% of the cost. Financial assistance of 40% of the cost is also provided for establishing Custom Hiring Centres of Kisan Drones. A total of 2122 Drones have been distributed/approved under SMAM scheme.

Further, the 'Namo Drone Didi' Central Sector Scheme aims to equip selected Women Self Help Groups (SHGs) with drones to offer rental services to farmers for agricultural applications, including spraying of fertilizers and pesticides. As per the information provided by the Department of Fertilizers, 1094 drones have been distributed to Drone Didis of SHGs. All these SHG members have been provided training at the Remote Pilot Organisations (RPTOS) authorised by Directorate General of Civil Aviation (DGCA). The state-wise and district-wise details for the state of Uttar Pradesh are given in Annexures I and II.

(b): As of 20th July, 2026, more than 10.18 Crore Farmer IDs have been created to connect farmers with digital agricultural services across States & UTs, including more than 2.43 Crore Farmer IDs in Uttar Pradesh. The State-wise number of Farmer IDs generated is given in Annexure-III, and district-wise Farmer IDs in Uttar Pradesh are given in Annexure- IV. Further, in Uttar Pradesh, 304.21 lakh farmers have connected with digital agriculture services, including 2.17 Crore farmers covered under PM Kisan Samman Nidhi Yojna. Further, during the last five years, more than 60.75 lakh farmers have benefited from different input distributions like Seed/Agriculture Equipment/Farm Machinery/Plant Protection Cematical /Zypsum through digital agriculture services in Uttar Pradesh, as given in Annexure V.

Annexure-I

State-wise Details of Beneficiaries of Drones

S.No	State Name	No. of drones distributed under Namo Didi Drones	No of Drones distributed/approved under SMAM
1	Andhra Pradesh	108	1475
2	Assam	28	0
3	Arunachal Pradesh	0	2
4	Bihar	32	5
5	Chhattisgarh	15	50
6	Goa	1	0
7	Gujarat	58	0
8	Haryana	102	0
9	Himachal Pradesh	4	0
10	J&K	2	0
11	Jharkhand	15	0
12	Karnataka	145	24
13	Kerala	51	24
14	Madhya Pradesh	89	300
15	Maharashtra	60	25
16	Manipur	0	4
17	Nagaland	0	2
18	Odisha	16	0
19	Puducherry	0	5
20	Punjab	57	0
21	Rajasthan	40	0
22	Tamil Nadu	44	10
23	Telangana	81	0
24	Uttar Pradesh	128	158
25	Uttarakhand	3	0
26	West Bengal	15	4
	Grand Total	1094	2122

District-wise Details of Drones Distributed/approved in Uttar Pradesh			
Sl.	District Name	No. of drones distributed under Namoo Didi Drones	No of Drones distributed/approved under SMAM
1.	Agra	4	4
2.	Aligarh	2	2
3.	Ambedkar Nagar	2	2
4.	Amethi	4	2
5.	Amroha	0	2
6.	Auraiya	0	2
7.	Ayodhya	6	2
8.	Azamgarh	0	2
9.	Baghpat	0	2
10.	Bahraich	0	2
11.	Ballia	2	0
12.	Balrampur	0	0
13.	Banda	0	2
14.	Bara Banki	5	2
15.	Bareilly	4	2
16.	Basti	1	2
17.	Bhadohi	0	1
18.	Bijnor	1	2
19.	Budaun	1	2
20.	Bulandsha hr	2	2
21.	Chandauli	1	1
22.	Chitrakoot	0	2
23.	Deoria	2	0
24.	Etah	2	2
25.	Etawah	0	2
26.	Farrukhaba d	0	2
27.	Fatehpur	0	2
28.	Firozabad	0	4
29.	Gautam Buddha Nagar	0	1

30.	Ghaziabad	0	2
31.	Ghazipur	0	1
32.	Gonda	2	2
33.	Gorakhpur	8	7
34.	Hamirpur	0	4
35.	Hapur	0	1
36.	Hardoi	3	2
37.	Hathras	1	2
38.	Jalaun	1	2
39.	Jaunpur	5	2
40.	Jhansi	3	3
41.	Kannauj	0	2
42.	Kanpur Dehat	0	3
43.	Kanpur Nagar	1	2
44.	Kasganj	0	2
45.	Kaushambi	0	0
46.	Kheri	3	2
47.	Kushinagar	2	2
48.	Lalitpur	0	0
49.	Lucknow	0	1
50.	Mahoba	1	3
51.	Mahrajganj	2	3
52.	Mainpuri	4	2
53.	Mathura	0	3
54.	Mau	0	4
55.	Meerut	3	0
56.	Mirzapur	0	0
57.	Moradabad	4	3
58.	Muzaffarnagar	0	3
59.	Pilibhit	0	3
60.	Pratapgarh	3	0
61.	Prayagraj	16	3
62.	Rae Bareli	3	3
63.	Rampur	0	3
64.	Saharanpur	0	3
65.	Sambhal	0	2

66.	Sant Kabir Nagar	2	2
67.	Shahjahanpur	4	5
68.	Shamli	0	1
69.	Shrawasti	0	1
70.	Siddharthnagar	0	2
71.	Sitapur	4	3
72.	Sonbhadra	1	3
73.	Sultanpur	2	3
74.	Unnao	2	3
75.	Varanasi	9	2
	Total	128	158

Annexure-III

State-wise Generated Farmer IDs as on 20.07.2026	
State Name	Number of Farmer ID generated
Andhra Pradesh	5042388
Assam	1335174
Bihar	5531133
Chhattisgarh	3513508
Gujarat	6225462
Haryana	1205181
Himachal Pradesh	595485
Karnataka	6443972
Kerala	2557460
Madhya Pradesh	11353326
Maharashtra	13505033
Odisha	2020174
Punjab	352049
Rajasthan	8723010
Sikkim	28885
Tamil Nadu	3648841
Telangana	5002227
Tripura	81433
Uttar Pradesh	24352649
Uttarakhand	323259
Total	101840649

District-wise Farmer IDs Generated in Uttar Pradesh as on 19.07.2026

S.No.	District Name	Total Generated
1	Rampur	3,17,523
2	Ghaziabad	62,698
3	Moradabad	3,10,087
4	Amroha	2,28,577
5	Mahoba	1,40,345
6	Chandauli	2,35,740
7	Sitapur	7,10,355
8	Fatehpur	3,74,664
9	Azamgarh	7,51,529
10	Ambedkar Nagar	4,18,469
11	Shrawasti	1,91,620
12	Pilibhit	3,09,563
13	Bijnor	3,71,678
14	Jalaun	2,16,515
15	Bareilly	4,89,548
16	Auraiya	2,24,962
17	Aligarh	3,66,470
18	Shahjahanpur	4,18,541
19	Bhadohi	2,19,841
20	Ayodhya	3,80,319
21	Hamirpur	1,79,336
22	Mirzapur	3,39,787
23	Ballia	4,03,900
24	Ghazipur	5,05,483
25	Hathras	1,93,425
26	Firozabad	2,63,416
27	Kasganj	2,04,518
28	Kheri	6,18,497
29	Mathura	2,66,455
30	Sambhal	2,90,409
31	Shamli	1,12,154
32	Hapur	1,11,587

33	Bara Banki	4,80,836
34	Sonbhadra	1,84,800
35	Bulandshahr	3,77,979
36	Gorakhpur	4,74,611
37	Amethi	2,70,566
38	Agra	3,24,586
39	Hardoi	6,74,279
40	Rae Bareli	4,54,299
41	Basti	4,32,007
42	Banda	2,39,319
43	Bahraich	4,99,883
44	Saharanpur	2,84,958
45	Lucknow	2,04,256
46	Kaushambi	1,96,491
47	Unnao	4,56,515
48	Jhansi	2,19,351
49	Baghpat	1,10,202
50	Budaun	4,39,618
51	Mau	2,50,664
52	Chitrakoot	1,37,992
53	Etah	2,65,078
54	Mahrajganj	4,30,737
55	Deoria	4,36,509
56	Sant Kabir Nagar	2,26,374
57	Varanasi	2,34,159
58	Kanpur Nagar	2,31,108
59	Balrampur	2,55,525
60	Kannauj	2,36,940
61	Kanpur Dehat	2,80,250
62	Farrukhabad	2,00,368
63	Sultanpur	4,22,693
64	Muzaffarnagar	2,13,848
65	Jaunpur	7,02,808
66	Gautam Buddha Nagar	45,587
67	Prayagraj	5,77,514
68	Gonda	4,62,891

69	Siddharthnagar	3,20,853
70	Lalitpur	2,04,783
71	Etawah	2,16,871
72	Kushinagar	4,85,502
73	Meerut	1,83,073
74	Mainpuri	2,95,116
75	Pratapgarh	4,76,903
	Total	2,43,46,713

Number of Farmer Benefiting from Digital Agriculture Services in Uttar
Pradesh (FY 2020-21 to 2025-26)

S.No	District Name	Agriculture equipment/Farm Machinery	Seed	Plant Protection Chemical	Gypsum	POS	Grand Total
1	Agra	2804	64990	2162	1785	54387	126128
2	Aligarh	2731	65281	99	1465	42430	112006
3	Ambedkar nagar	1685	46009	151	431	24494	72770
4	Amethi	2702	53616	659	490	24878	82345
5	Amroha	2894	32307	17	806	8837	44861
6	Auraiya	1205	36834	1126	930	20554	60649
7	Ayodhya	2099	67524	433	475	21436	91967
8	Azamgarh	2732	112167	165	1014	38566	154644
9	Baghpat	1956	22560	117	749	6302	31684
10	Bahraich	2333	112139	537	430	33014	148453
11	Ballia	1621	64821	155	540	22642	89779
12	Balrampur	1561	50962	340	448	33008	86319
13	Banda	1441	39423	482	0	26785	68131
14	Barabanki	4339	66201	34	669	46605	117848
15	Bareilly	3661	46811	160	730	25019	76381
16	Basti	3117	70353	383	718	22511	97082
17	Bhadohi	1541	31180	267	144	7373	40505
18	Bijnor	7186	63818	1597	1154	21721	95476
19	Budaun	3239	70272	1286	1133	47500	123430
20	Bulandshahr	4863	44383	498	496	15739	65979
21	Chandauli	2320	38637	336	211	13693	55197
22	Chitrakoot	1384	50831	5878	0	18113	76206
23	Deoria	3329	103711	240	435	31555	139270
24	Etah	1268	33989	272	1061	35448	72038
25	Etawah	1741	40487	543	699	26731	70201
26	Farrukhabad	1254	31638	79	257	16202	49430
27	Fatehpur	1677	51565	886	566	31278	85972
28	Firozabad	1621	38471	803	357	12997	54249

29	Gautam Buddha Nagar	1113	9686	56	177	1994	13026
30	Ghaziabad	928	11220	180	252	3092	15672
31	Ghazipur	2165	86607	1290	85	24063	114210
32	Gonda	3043	98661	657	587	29810	132758
33	Gorakhpur	2348	101408	774	826	26484	131840
34	Hamirpur	3933	35412	645	0	24902	64892
35	Hapur	1208	24998	46	584	6193	33029
36	Hardoi	3302	111913	0	672	40361	156248
37	Hathras	1264	32844	946	805	20027	55886
38	Jalaun	3179	34634	556	0	25832	64201
39	Jaunpur	2079	93107	411	524	34216	130337
40	Jhansi	3075	29280	485	0	21159	53999
41	Kannauj	770	30457	63	1250	17811	50351
42	Kanpur Dehat	2910	77831	128	875	40188	121932
43	Kanpur Nagar	1802	39858	383	1343	31610	74996
44	Kasganj	812	34201	0	986	14150	50149
45	Kaushambi	1390	36210	420	818	15919	54757
46	Kheri	2274	81053	65	821	37731	121944
47	Kushi Nagar	1988	102596	1792	289	28563	135228
48	Lalitpur	2171	27648	2209	0	23728	55756
49	Lucknow	2024	41446	206	412	13641	57729
50	Maharajganj	2108	88549	692	347	27986	119682
51	Mahoba	2957	16970	1081	0	14939	35947
52	Mainpuri	1955	53873	144	1445	28607	86024
53	Mathura	2683	46836	591	139	33269	83518
54	Mau	1540	49523	577	666	11895	64201
55	Meerut	1677	31995	173	916	7626	42387
56	Mirzapur	2377	48646	600	269	20699	72591
57	Moradabad	2509	31420	915	664	12048	47556
58	Muzaffarnagar	1536	37438	199	817	9911	49901
59	Pilibhit	2341	36686	223	394	15453	55097
60	Pratapgarh	1846	49789	955	616	32969	86175
61	Pryagraj	2960	121988	2292	951	36795	164986
62	Rae Bareli	2103	60235	259	664	22269	85530
63	Rampur	2129	36147	1250	0	12117	51643

64	Saharanpur	3609	46622	363	102	9976	60672
65	Sambhal	2118	48236	58	1012	17445	68869
66	Sant Kabeer Nagar	1060	56188	269	542	15929	73988
67	Shahjahanpur	4295	51280	26	775	23371	79747
68	Shamli	1699	21434	11	835	4771	28750
69	Shravasti	1127	28900	1643	280	11626	43576
70	Siddharth Nagar	2518	63697	484	232	19892	86823
71	Sitapur	2812	114577	0	560	41077	159026
72	Sonbhadra	1578	35163	265	73	17448	54527
73	Sultanpur	3002	73132	834	445	17817	95230
74	Unnao	2206	88414	100	274	39217	130211
75	Varansi	1795	51614	292	504	16485	70690
	Total	172622	4081402	45313	43021	1732929	6075287
