

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

**LOK SABHA**  
**UNSTARRED QUESTION NO. 4030**  
TO BE ANSWERED ON THE 25<sup>TH</sup> MARCH, 2025

**TARGET FOR AGRICULTURAL MECHANIZATION**

4030. SHRI MAGUNTA SREENIVASULU REDDY:

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

- (a) whether the Government has set any target for mechanization of farms across the country, if so, the details thereof;
- (b) the total amount of agricultural mechanization achieved (kilowatt/hectare) over the last five years across the country, State-wise, particularly, district-wise in Andhra Pradesh and in Prakasam district;
- (c) whether the Government has introduced any schemes/initiatives for increasing agricultural mechanization in the country, if so, the details regarding the total number of beneficiaries of such schemes/programmes across the country, State-wise particularly, district-wise in Andhra Pradesh and in Prakasam district;
- (d) the details regarding the total amount of funding allocated and utilised over the last five years for Agricultural Mechanization in the country, State-wise particularly, district-wise in Andhra Pradesh and in Prakasam district; and
- (e) whether the Government has undertaken any campaigns to raise awareness regarding the benefits of agricultural mechanization across the country during the last five years, if so, the details thereof?

**ANSWER**

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

(a): The Standing Committee on Agriculture, Animal Husbandry and Food Processing (2022-23) on the subject 'Research and Development in Farm Mechanization for Small and Marginal Farmers in the Country' in its 58th Report emphasized to achieve mechanization level of 75% by the year 2047.

(b): As per the impact evaluation study of Sub-Mission on Agricultural Mechanization' (SMAM) submitted by the WAPCOS Limited in November 2020, the average farm power availability in India was 2.49 Kilowatt per Hectare (kW/ha). The farm power availability in 2024 is about 3.126 kW/ha as estimated by the Indian Council of Agricultural Research (ICAR) based upon the availability of farm power sources such as human power, animal power, tractors and engines. No such estimates are available state-wise/district wise with the ICAR. However, as per the information provided by the State of Andhra Pradesh, the district-wise farm power availability during last five years is indicated in Annexure-I.

(c) & (d): The emphasis of the Government is always to promote farm mechanization with the aim of increasing the reach of farm mechanization to small and marginal farmers and to the regions where availability of farm power is low. The Department of Agriculture & Farmers Welfare (DA&FW) through the State Governments is implementing a Centrally Sponsored 'Sub-Mission on Agricultural Mechanization' (SMAM) w.e.f. 2014-15. Under SMAM, financial assistance is provided to the farmers for purchase of agricultural machines and equipments 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 make available machines and equipments to the farmers on rental basis as per their requirements. Crop Residue Management (CRM) Scheme is implemented from 2018-19 primarily to support the efforts of the Governments of Punjab, Haryana, Uttar Pradesh and NCT of Delhi to address air pollution and to subsidize machinery required for management of crop residue. The Government has approved 'Namo Drone Didi' as Central Sector Scheme for providing 15,000 drones to the Women Self Help Groups (SHGs) during the period from 2023-24 to 2025-26 for providing drone rental services to farmers for agriculture purpose.

Since inception of the SMAM and as on 28.02.2025, the funds amounting to Rs. 8110.24 Crores has been released to various states. The states have supplied more than 19.51 lakh machines and equipments to the farmers on individual ownership basis and more than 52,000 CHCs/Hi-tech Hubs/FMBs have been established in various States. Under CRM scheme, during the period from 2018-19 to 2024-25 (as on 28.02.2025), an amount of Rs. 3607.88 Crore have been released. The States have established more than 41,900 Custom Hiring Centres (CHCs) of crop residue management machines and more than 3.23 lakh crop residue management machines have been supplied to these CHCs and individual farmers in the States. The State-wise details are at Annexure-II & III. District-wise allocation of funds and identification of beneficiary is done at the State level and as per the information provided by the State of Andhra Pradesh; the district-wise details for the State of Andhra Pradesh for the last five years are at Annexure-IV.

(e): The ICAR under All India Coordinated Research Projects (AICRP) on Farm Implements and Machinery (AICRP on FIM) undertake the demonstrations of new technologies across different regions of the country through frontline demonstration (FLD) activities to promote the adoption of new farm machinery. During the last 5 years, 520 number of machines have been demonstrated benefitting 33220 farmers. The Krishi Vigyan Kendras (KVKs) organize frontline demonstrations and training programmes for the farmers, farm women and rural youth on farm machineries and equipments and during the last five years 73223 such demonstrations have been organized and 3.69 lakh farmers have been trained. The DA&FW has also conducted demonstration of machines on the farmers' fields through the Farm Machinery Training & Testing Institutes (FMTTIs) and during the last five years 2156 demonstrations have been organized by the FMTTIs. Awareness regarding the benefits of agricultural mechanization is undertaken by the FMTTIs through their regular training programmes and during the last 5 year 70119 number of trainees have been trained by the FMTTIs. ICAR during the last five years has participated and displayed technologies to over 10 lakh farmers, manufacturers, visitors through participation in 19 agricultural exhibitions & fairs.

## District-wise farm power availability (kW/ha) for the last five years in Andhra Pradesh State

S. No.	Name of the District	Farm Power Availability (kW/ha)				
		2019-20	2020-21	2021-22	2022-23	2023-24
1.	Anakapalli	1.992	2.053	2.112	2.17	2.361
2.	Alluri Seetha Ramaraju	1.051	1.086	1.113	1.248	1.36
3.	Ananthapuram	0.918	0.94	0.961	1.143	1.246
4.	Annamayya	1.621	1.673	1.72	1.868	2.028
5.	Bapatla	1.908	1.957	2.015	2.068	2.244
6.	Chittoor	2.366	2.398	2.411	2.443	2.633
7.	Dr B R Konaseema	1.20	1.232	1.266	1.401	1.522
8.	Eastgodavari	2.24	2.307	2.376	2.438	2.651
9.	Eluru	2.28	2.347	2.41	2.448	2.652
10.	Guntur	2.059	2.107	2.149	2.262	2.456
11.	Kakinada	2.247	2.291	2.328	2.382	2.592
12.	Krishna	1.992	2.053	2.11	2.17	2.358
13.	Kurnool	1.175	1.206	1.242	1.274	1.499
14.	Nandyal	1.147	1.173	1.208	1.34	1.461
15.	NTR	1.982	2.045	2.101	2.161	2.351
16.	Palnadu	1.818	1.869	1.925	1.975	2.148
17.	Parvathipuram Manyam	1.551	1.597	1.641	1.788	1.942
18.	Prakasam	1.633	1.684	1.731	1.879	2.041
19.	SPS Nellore	2.637	2.705	2.787	2.859	3.012
20.	Sri Satya Sai	1.032	1.067	1.092	1.127	1.238
21.	Srikakulam	1.571	1.619	1.661	1.711	1.865
22.	Tirupathi	2.283	2.314	2.349	2.382	2.576
23.	Vizianagaram	1.551	1.597	2.242	2.31	2.512
24.	Visakhapatnam	1.692	1.743	1.793	1.841	2.002
25.	Westgodavari	2.272	2.34	2.401	2.463	2.673
26.	YSR Kadapa	1.634	1.684	1.733	1.779	1.964
	<b>Andhra Pradesh State</b>	<b>1.785</b>	<b>1.834</b>	<b>1.879</b>	<b>1.958</b>	<b>2.130</b>

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 28.02.2025)

State	Funds Released (Rs. in Crores)	Nos. of Agricultural Machinery Distributed	Nos. of Custom Hiring Centres/Hi-Tech Hubs/Farm Machinery Banks Established
Andhra Pradesh	859.71	251514	10956
Arunachal Pradesh	65.87	40824	13
Assam	153.09	3163	787
Bihar	157.23	39535	2005
Chhattisgarh	358.57	102736	2978
Gujarat	92.73	29733	247
Haryana	266.54	24870	2313
Himachal	180.81	43637	53
Jammu and Kashmir	76.71	19822	387
Jharkhand	33.95	0	527
Karnataka	1098.86	306785	790
Kerala	298.1	118105	1687
Madhya Pradesh	511.85	279300	1778
Maharashtra	602.93	103525	1430
Manipur	121.14	20283	820
Meghalaya	25.19	2457	8
Mizoram	47.27	5730	339
Nagaland	238.47	21373	609
Odisha	384.99	81831	1778
Punjab	109.18	13648	1267
Rajasthan	143.91	32793	1854
Sikkim	57.63	7128	52
Tamil Nadu	803.92	80758	4153
Telangana	55.67	28954	195
Tripura	205.7	54915	727
Uttar Pradesh	701.56	182346	11591
Uttarakhand	342.75	42294	2400
West Bengal	101.79	10997	774
D&D Nagar Haveli	1.10	89	0
Puducherry	11.99	621	13
Ladakh	1.03	1314	0
<b>Total</b>	<b>8110.24</b>	<b>1951080</b>	<b>52531</b>

State-wise details of funds released, machines distributed and CHCs/FMBs established under CRM scheme since 2018-19 to 2024-25 (as on 28.02.2025)

State	FUNDS RELEASED (RS. IN CRORE)	NOS. OF CROP RESIDUE MACHINERY DISTRIBUTED	NOS. OF CUSTOM HIRING CENTRES ESTABLISHED/FARM MACHINERY BANKS ESTABLISHED
Haryana	1081.71	1,00,882	6775
Punjab	1756.45	1,47,668	25917
Uttar Pradesh	763.67	74,548	9276
NCT of Delhi	6.05	247	0
<b>TOTAL</b>	<b>3607.88</b>	<b>3,23,345</b>	<b>41,968</b>

**District wise number of beneficiaries & funds utilized during the last five years for farm mechanization in the State of Andhra Pradesh (2019-20 to 2023-24)**

<b>S. No.</b>	<b>District</b>	<b>No of CHCs</b>	<b>Fin. (Rs.Lakhs)</b>
1	Anakapalle	420	971.55
2	Ananthapuram	454	1529.87
3	Annamayya	399	989.15
4	ASR Paderu	175	291.88
5	Bapatla	409	1310.40
6	Chittoor	491	1150.00
7	East Godavari	389	1610.46
8	Eluru	443	1487.67
9	Guntur	258	903.27
10	Kakinada	454	1558.03
11	Konaseema	485	1437.75
12	Krishna	408	1475.97
13	Kurnool	469	1734.04
14	Nandyal	394	1565.78
15	NTR	292	1183.19
16	Palnadu	559	1789.85
17	Prakasam	611	2046.78
18	PVP Manyam	294	826.16
19	SPSR Nellore	644	2300.63
20	Sri Satya Sai	404	987.71
21	Srikakulam	688	2618.05
22	Tirupathi	458	1608.60
23	Visakhapatnam	50	141.77
24	Vizianagaram	475	1387.07
25	West Godavari	383	1584.82
26	YSR Kadapa	450	1861.06
	<b>TOTAL</b>	<b>10956</b>	<b>36351.50</b>

**Note: Rs.36351.50 lakhs includes additional state budget also.**

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