

Under these Schemes/Programmes, funds are provided to States for implementation of State-specific agricultural strategies including incentives to farmers for use of quality seeds, improve soil health under Integrated Nutrient Management (INM), Integrated Pest Management (IPM), farm mechanization, etc. The States are also provided support for creation of agricultural infrastructure for optimal use of water and other natural resources.

Further, to achieve higher agricultural productivity, Indian Council of Agricultural Research (ICAR) is conducting basic and strategic research relating to crop improvement, production and protection technologies suitable to different situations including development of location-specific varieties/hybrids and technologies.

(c) and (d) No Sir, the allocations under Rashtriya Krishi Vikas Yojana (RKVY) has increased from ₹ 3600.00/- crores during 2018-19 to ₹ 3800.00/- crores during this financial year *i.e.* 2019-20. Further, the allocation for irrigation under Pradhan Mantri Krishi Sinchayee Yojana - Per Drop More Crop (PMKSY-PDMC) under the Department of Agriculture, Cooperation and Farmers Welfare has also increased from ₹ 2954.69 crores (Revised Estimates) during 2018-19 to ₹ 3500.00/- crores during 2019-20.

Mechanization of agricultural production and new farming techniques

20. SHRI TIRUCHI SIVA: Will the Minister of AGRICULTURE AND FARMERS WELFARE be pleased to state:

- (a) the details of funds allocated by Government for boosting mechanization of agricultural production processes, State-wise;
- (b) the details of the initiatives taken by Government in this regard; and
- (c) the manner in which Government imparts knowledge to farmers regarding usage of new farming techniques?

THE MINISTER OF AGRICULTURE AND FARMERS WELFARE (SHRINARENDRA SINGH TOMAR): (a) To promote the Farm Mechanization in the country, Department of Agriculture, Cooperation and Farmers Welfare has introduced a dedicated Sub Mission on Agricultural Mechanization (SMAM) w.e.f. 2014-15.

Under the above Scheme financial assistance is provided to farmers through State Governments for purchase of various agricultural implements.

A special Scheme to support the efforts of the Governments of Haryana, Punjab, Uttar Pradesh and the NCT of Delhi to address air pollution due to stubble burning and to subsidize machinery for the farmers for *in-situ* management of crop residue, a new Central Sector Scheme on ‘ Promotion of Agricultural Mechanization for *in-Situ* Management of Crop Residue in the States of Punjab, Haryana, Uttar Pradesh and NCT of Delhi (CRM) for the period from 2018-19 to 2019-20 has been also launched.

The farm mechanization component is also available under various schemes like Mission for Integrated Development of Horticulture (MIDH), National Food Security Mission (NFSM) and National Mission on Oilseeds and Oil Palm (NMOOP) and Rashtriya Krishi Vikas Yojana (RKVY).

The details of State-wise funds released under SMAM, CRM, MIDH, NFSM and NMOOP is enclosed as Statement-I, II, III, IV and V (*See below*) respectively.

The details of State-wise number of agricultural mechanization related project sanctioned and cost of the its projects under RKVY is enclosed at Statement-VI (*See below*).

Indian Council of Agricultural Research (ICAR) is also providing funds to their All India Coordinated Research Project (AICRP) and also to State Agricultural Universities (SAU). The State-wise funds allocated by ICAR is enclosed at Statement-VII (*See below*).

(b) Under SMAM, lot of initiatives are taken by Government for boosting mechanization. The SMAM scheme aims at ‘ reaching the unreached ’ by giving more focus to the small and marginal farmers, Promoting ‘ Custom Hiring Centres ’, creating hubs for hi-tech and high value farm equipments especially in the regions where availability of farm power is low, creating awareness among stakeholders through demonstration and capacity building activities, and ensuring performance- testing and certification at designated testing centres located all over the country.

During the period 2014-15 to 2018-19 as an Government ’ s initiatives under agricultural

mechanization, under SMAM scheme, total 58303 numbers of demonstrations conducted, 40033 numbers of trainees trained, 962528 numbers of various agricultural machinery distributed and 13899 numbers of Custom Hiring Centres established and during 2018-19 under CRM scheme, demonstrations conducted in 18555 acres area, 22525 numbers of trainees trained, 32831 numbers of various agricultural machinery distributed and 7444 numbers of Custom Hiring Centres established.

(c) Government has introduced and formulated various schemes to promote the use of modern farming techniques in agriculture in the country which are as below.

- (i) Sub Mission on Agricultural Extension (SMAE)
- (ii) Sub-Mission on Seed and Planting Material (SMSP)
- (iii) Sub Mission on Agricultural Mechanization (SMAM)
- (iv) Sub Mission on Plant Protection and Plant Quarantine (SMPP)
- (v) National Food Security Mission (NFSM)
- (vi) National Mission on Oilseeds and Oil Palm (NMOOP)
- (vii) Mission for Integrated Development of Horticulture (MIDH)
- (viii) National Mission for Sustainable Agriculture (NMSA)
- (ix) Rashtriya Krishi Vikas Yojana - Remunerative Approaches for Agriculture and Allied sector Rejuvenation (RKVY-RAFTAAR)

These schemes are supporting various farm technologies to sustain growth of agriculture such as integrated farming system/cropping system with appropriate resource conservation technologies; development of high yielding pest/disease tolerant crop varieties/hybrids; water use efficiency enhancement through micro irrigation; soil test based balanced and judicious use of fertilizers; dissemination of agriculture related information to the farming community through various ICT enabled delivery channels including SMSs, internet kiosks, farmers portals etc.; scientific storage of both perishable and non-perishable produce; precision farming; increasing the reach of farm mechanization by promoting "Custom Hiring Centres", creating hubs for hi-tech and high value farm equipments; promotion of latest technologies on crops specific cultivation; protected cultivation of horticultural products, organic farming etc.

Statement-I

State-wise details of funds allocated under Sub Mission on Agricultural Mechanization (SMAM) by Government for boosting mechanization of agricultural production processes

Sl. No.	State	Funds released/allocated under submission on agricultural mechanization since 2014-15 to 2018-19 (₹ in lakh)
1	2	3
1.	Andhra Pradesh	34973
2.	Arunachal Pradesh	1274
3.	Assam	1670
4.	Bihar	4801
5.	Chhattisgarh	6919
6.	Gujarat	3666
7.	Haryana	11866
8.	Himachal Pradesh	3306
9.	Jammu and Kashmir	1779
10.	Jharkhand	1237
11.	Karnataka	23402
12.	Kerala	2353
13.	Madhya Pradesh	15344
14.	Maharashtra	23092
15.	Manipur	3547
16.	Meghalaya	376
17.	Mizoram	1309

1	2	3
18.	Nagaland	6476
19.	Odisha	18777
20.	Punjab	10268
21.	Rajasthan	5311
22.	Sikkim	566
23.	Tamil Nadu	26471
24.	Telengana	3366
25.	Tripura	6163
26.	Uttar Pradesh	15625
27.	Uttarakhand	7270
28.	West Bengal	3688
TOTAL		244895

Statement-II

State-wise details of funds allocated under a new Central Sector Scheme on 'Promotion of Agricultural Mechanization for In-Situ Management of Crop Residue in the States of Punjab, Haryana, Uttar Pradesh and NCT of Delhi' (CRM) by Government for boosting mechanization of agricultural production processes

Sl. No.	State	Funds Allocation - Year 2018-19 to 2019-20 (₹ in lakh)
1.	Haryana	31084
2.	Punjab	51738
3.	Uttar Pradesh	24555
TOTAL		107377

Statement-III

State-wise details of the funds allocated for Horticulture Mechanization under MIDH for the last three years 2016-17 to 2018-19.

Sl. No.	State	Funds Allocation - Year 2016-17 to 2018-19 (₹ in Lakh)
1	2	3
1.	Andaman and Nicobar Islands	16.8
2.	Andhra Pradesh	1449.56
3.	Bihar	23.55
4.	Chhattisgarh	438
5.	Daman and Diu	8.53
6.	Gujarat	1784.19
7.	Haryana	359.51
8.	Jharkhand	20.67
9.	Karnataka	1512.15
10.	Kerala	1357.77
11.	Madhya Pradesh	1552.23
12.	Maharashtra	3276.32
13.	Odisha	701.35
14.	Punjab	640.98
15.	Rajasthan	89.48
16.	Tamil Nadu	1052.55
17.	Telangana	535.85
18.	Uttar Pradesh	392.07
19.	West Bengal	321
20.	Arunachal Pradesh	374.5
21.	Assam	1408
22.	Manipur	213.8
23.	Meghalaya	5.42

1	2	3
24.	Mizoram	51.2
25.	Nagaland	354.9
26.	Sikkim	243.75
27.	Tripura	2033.25
28.	Himachal Pradesh	734.67
29.	Jammu and Kashmir	2154.55
30.	Uttarakhand	869.1
TOTAL		24436.5

Statement-IV

State-wise funds allocated for various machineries under NFSM during the year 2015-16 to 2018-19

Sl. No.	State	Funds Allocation - Year 2015-16 to 2018-19 (₹ in lakh)
1	2	3
1.	Andhra Pradesh	3320.477
2.	Arunachal Pradesh	134.200
3.	Assam	7871.220
4.	Bihar	4083.965
5.	Chhattisgarh	6085.803
6.	Goa	6.500
7.	Gujarat	1092.244
8.	Haryana	888.331
9.	Himachal Pradesh	603.296
10.	Jammu and Kashmir	443.628
11.	Jharkhand	1422.295
12.	Karnataka	5973.054

1	2	3
13.	Kerala	41.700
14.	Madhya Pradesh	12595.658
15.	Maharashtra	8706.364
16.	Manipur	438.470
17.	Meghalaya	92.136
18.	Mizoram	25.950
19.	Nagaland	483.186
20.	Odisha	3159.594
21.	Punjab	1378.112
22.	Rajasthan	5872.826
23.	Sikkim	76.654
24.	Tamil Nadu	2149.274
25.	Telangana	1370.043
26.	Tripura	336.276
27.	Uttar Pradesh	13547.920
28.	Uttarakhand	709.444
29.	West Bengal	2413.742
TOTAL		85322.362

Statement-V

*State-wise fund allocation for Supply of Farm Implements under
NMOOP (2016-17 to 2018-19)*

Sl. No.	State	Funds Allocation - Year 2016-17 to 2018-19 (₹in lakh)
1	2	3
1.	Andhra Pradesh	164.3
2.	Arunachal Pradesh	27.72

1	2	3
3.	Assam	1031.26
4.	Bihar	0
5.	Chhattisgarh	839.92
6.	Gujarat	4576.82
7.	Jammu and Kashmir	42.76
8.	Haryana	604.34
9.	Jharkhand	243.96
10.	Karnataka	1204
11.	Madhya Pradesh	7451.46
12.	Maharashtra	7400.36
13.	Manipur	79
14.	Meghalaya	22
15.	Mizoram	5.04
16.	Nagaland	83
17.	Odisha	26.2
18.	Rajasthan	1800
19.	Sikkim	7.2
20.	Tamil Nadu	485.1
21.	Telangana	300
22.	Uttar Pradesh	2718.72
23.	Uttarakhand	45.66
24.	West Bengal	3470
TOTAL		32628.82

Statement-VI

*Total No. projects sanctioned and cost of its Projects in Agriculture
Mechanisation under RKVY during 2014-15 to 2018-19*

Sl. No.	State	Financial Year	No. of Projects	Cost (in crore)
1	2	3	4	5
1.	Andhra Pradesh	2014-15	22	28.09
		2015-16	10	34.23
		2016-17	6	50.35
		2017-18	2	155.08
		2018-19	1	60.52
2.	Arunachal Pradesh	2014-15	2	4.40
		2016-17	2	1.85
		2018-19	4	5.05
3.	Assam	2014-15	7	62.50
		2015-16	1	27.37
		2016-17	1	26.25
		2017-18	1	39.56
		2018-19	1	17.52
4.	Bihar	2014-15	2	31.75
5.	Chhattisgarh	2015-16	1	9.20
		2017-18	1	0.80
		2018-19	1	0.80
6.	Goa	2017-18	1	26.36
7.	Gujarat	2014-15	1	281.04
8.	Haryana	2014-15	2	22.75
		2016-17	1	20.86
		2017-18	3	69.92
9.	Himachal Pradesh	2015-16	1	1.75
		2016-17	1	3.00

1	2	3	4	5
		2017-18	1	1.50
		2018-19	1	1.60
10.	Jammu and Kashmir	2014-15	9	3.58
11.	Jharkhand	2015-16	2	10.62
12.	Karnataka	2014-15	3	72.68
		2015-16	3	146.05
		2016-17	1	65.00
		2017-18	3	2.16
		2018-19	1	19.10
13.	Kerala	2014-15	1	4.00
		2016-17	1	3.00
		2017-18	1	6.19
14.	Madhya Pradesh	2014-15	11	100.08
		2015-16	12	138.24
		2016-17	8	110.15
		2017-18	7	126.10
		2018-19	7	70.00
15.	Maharashtra	2016-17	4	333.00
		2017-18	2	115.00
		2018-19	2	300.00
16.	Manipur	2014-15	3	0.94
17.	Meghalaya	2014-15	1	0.30
		2015-16	1	2.17
		2016-17	1	1.12
		2018-19	1	0.99
18.	Mizoram	2014-15	9	9.13
		2015-16	2	0.37
19.	Nagaland	2014-15	3	11.00

1	2	3	4	5
		2015-16	1	1.00
		2016-17	3	6.00
		2017-18	3	6.25
20.	Odisha	2014-15	1	24.95
		2015-16	1	1.81
		2016-17	3	49.59
		2017-18	2	59.12
		2018-19	3	36.30
		2019-20	2	62.11
21.	Punjab	2014-15	2	43.72
22.	Rajasthan	2014-15	1	0.87
23.	Tamil Nadu	2014-15	6	57.68
		2015-16	7	60.36
		2016-17	2	88.16
		2017-18	7	61.64
		2018-19	4	42.60
24.	Telangana	2014-15	16	53.03
		2015-16	2	49.01
		2016-17	7	80.00
		2017-18	13	85.00
		2018-19	6	129.30
25.	Tripura	2014-15	2	4.77
26.	Uttar Pradesh	2014-15	2	55.95
		2015-16	4	118.82
		2016-17	5	104.07

1	2	3	4	5
		2017-18	2	15.43
		2018-19	3	23.68
27.	Uttarakhand	2014-15	2	29.22
		2015-16	1	2.31
28.	West Bengal	2014-15	2	59.25
		2015-16	4	40.00
		2016-17	2	40.40
		2017-18	3	29.70
		2018-19	3	54.25
TOTAL			303	4211.41

Statement-VII

State-wise funds allocated for boosting mechanization of agricultural production processes by ICAR during the period 2014-15 to 2018-19

Sl. No.	State	Funds allocated (2014-15 to 2018-19) (₹ in lakh)
1	2	3
1.	Andhra Pradesh	107.5
2.	Assam	108.65
3.	Bihar	104.884
4.	Chhattisgarh	340.7
5.	Gujarat	133.55
6.	Haryana	243.96
7.	Himachal Pradesh	58.25

1	2	3
8.	Jharkhand	241.8
9.	Karnataka	642.07
10.	Kerala	152.303
11.	Madhya Pradesh	13108.79
12.	Maharashtra	1106.401
13.	Meghalaya	27.989
14.	Odisha	527.85
15.	Punjab	1049.625
16.	Rajasthan	606.89
17.	Sikkim	348.651
18.	Tamil Nadu	1026.109
19.	Telangana	643.55
20.	Uttar Pradesh	343.685
21.	Uttarakhand	235.13
22.	West Bengal	197.915
TOTAL		21356.25

Production of foodgrains

21. SHRIMATI JHARNADAS BAIDYA: Will the Minister of AGRICULTURE AND FARMERS WELFARE be pleased to state:

- (a) whether production of foodgrains has declined during the last three years and the current year in the country, including Tripura;
- (b) if so, the details thereof, State-wise and crop-wise and the reasons therefor; and
- (c) the steps taken by Government to increase the production of foodgrains in the country?