

1	2	3	4	5	6
23.	Meghalaya	0	208848	0	209561
24.	Mizoram	0	91736	0	91880
25.	Nagaland	0	177763	0	178411
26.	Odisha	702478	1425507	2537583	4667466
27.	Puducherry	1303	0	31553	33228
28.	Punjab	63480	0	988140	1052554
29.	Rajasthan	954597	1119763	4801193	6888436
30.	Sikkim	4272	36523	33084	74928
31.	Tamil Nadu	873499	74414	7150834	8118224
32.	Tripura	115421	163485	299246	578479
33.	Uttar Pradesh	4020724	70937	19209371	23325456
34.	Uttarakhand	125351	29673	755624	912650
35.	West Bengal	1770775	582271	4765498	7123347
ALL INDIA		17099190	12004616	109006087	138348461

* includes institutional holdings also.

Note: Total may not tally due to rounding off.

Organic farming

†2962. SHRI RAM NATH THAKUR: Will the Minister of AGRICULTURE AND FARMERS WELFARE be pleased to state:

- (a) the steps being taken by Government to encourage organic farming in the country;
- (b) whether organic farming is more expensive and whether Government provides assistance to the farmers to reduce these expenses;
- (c) whether Government is taking any steps to make conventional manures more accessible and cheaper than chemical fertilizers; and
- (d) the quantum of organic manures being produced in the country at present, the details thereof?

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE AND FARMERS WELFARE (SHRI PARSHOTTAM RUPALA): (a) Govt. of India is promoting organic

†Original notice of the question was received in Hindi.

farming in the country through the dedicated schemes of Paramparagat Krishi Vikas Yojana (PKVY) and Mission Organic Value Chain Development for North Eastern Region (MOVCDNER) under National Mission for Sustainable Agriculture (NMSA). Some other schemes of Govt. of India are also supporting organic farming viz., National Mission on Oilseeds and Oilpalm (NMOOP), National Food Security Mission (NFSM), Mission for Integrated Development of Horticulture (MIDH) and ICAR network project on organic farming. The pattern of assistance are given in the Statement-I, IA and I-B (*See below*).

(b) to (d) There is no evidence to show that organic farming is more expensive as compared to conventional farming. Government is promoting the use of organic manures under the scheme / Paramparagat Krishi Vikas Yojana (PKVY) of National Mission for Sustainable Agriculture (NMSA) / to make it more accessible. The Government is enhancing the use of organic inputs in the country, which are as under:

- (i) Financial assistance is provided under the component Integrated Manure Management of PKVY for Phosphate Rich Organic Manure (PROM) as per specification given in FCO, 1985 @ ₹1000/acre for procuring and application of PROM to soil to meet phosphorus/Zinc deficiency in soil.
- (ii) Financial Assistance is provided for vermi-compost (size 7'x3'x1') @ ₹5,000/- unit for procurement of earth worms, preparation of pits, construction of brick wall etc.
- (iii) Promotion of Organic Inputs under Organic and INM Components of Soil Health Management, assistance is provided for Vermi-compost, Bio-fertilizers (Liquid / solid), Waste compost, Herbal extracts etc. including PROM @50 % of cost subject to a limit of ₹ 5000/- per ha and maximum ₹ 10,000 per beneficiary.
- (iv) Government is also promoting the production of organic manures by providing 100% financial assistance to State Governments/ Government Agencies upto a maximum limit of ₹ 190.00 lakh per unit and 33% of project cost maximum limited to ₹ 63 lakh per unit for individuals/private agencies through NABARD as capital investment for establishment of agro/vegetable waste compost production units of 3000 Total Per Annum (TPA) production capacity.
- (v) Under the Rainfed Area Development (RAD) component of NMSA, 50% of cost subject to limit of ₹ 125/- per cubic ft. and maximum permissible assistance of ₹ 50,000/- per unit for permanent structure and ₹ 8,000/- per unit for High Density Polyethylene (HDP) vermi bed is provided for construction of compost unit and organic input production unit.
- (vi) The Government of India is providing a Market Development Assistance @ ₹ 1500/-per metric ton (MT) to Fertiliser Companies for sale of City Compost. The details of organic manure produced during the year 2014-15 is given at in Statement-II.

Statement-I***Details of pattern of assistance given to dedicated schemes for promoting organic farming in the country***

- A. National Mission of Sustainable Agriculture (NMSA)-Organic and INM Components of Soil Health Management (SHM):
1. Setting up of State of art liquid/ carrier based Biofertilizer/ Biopesticide units, 100% assistance to State Govt /Govt. Agencies upto a maximum limit of ₹160.00 lakh / unit and 25% of cost limited to ₹ 40 lakh/unit for individuals/ private agencies through NABARD as capital investment of 200 TPA production capacity.
 2. Setting up of Bio-fertilizer and Organic fertilizer testing Quality Control Laboratory (BOQCL) or Strengthening of existing Laboratory under FCO, assistance up to maximum limit of ₹ 85 lakh for new laboratory and up to a maximum limit of ₹ 45 lakh for strengthening of existing infrastructure to State Government Laboratory under Agriculture or Horticulture Department.
 3. Promotion of Organic Inputs on farmer's field (Manure, Vermi-compost, Bio-Fertilizers Liquid/ solid, Waste compost, Herbal extracts etc.), 50 % of cost subject to a limit of ₹ 5000/- per ha and ₹ 10,000 per beneficiary. Propose to cover 1 million ha area.
- B. Paramparagat Krishi Vikas Yojana (PKVY): It is the first comprehensive scheme launched by the Central Government as a centrally sponsored programme (CSP). The scheme is implemented by the State Governments on a cluster basis of 20 hectare each. The farmer within the cluster is given financial assistance upto a maximum of 1 ha and the limit of assistance is ₹ 50,000 per ha during the conversion period of 3 years. The target is to promote 10,000 clusters covering 5 lakh acres over the period of 3 years during 2015-16 to 2017-18. Further, following assistance is given for procuring liquid bio-fertilizers and bio-pesticides:
1. Liquid Bio-fertilizers consortia (Nitrogen fixing/ Phosphate Solubilizing/ potassium mobilizing bio-fertilizers) @ ₹ 500/acre x 50 of ₹ 25000 per cluster in first year.
 2. Liquid Biopesticides (Trichoderma viridae, Pseudomonas, fluorescens, Matarhizium, Beaviourie bassiana, Pacelomyces, verticillium) @ ₹ 500/ acre x 50 of ₹ 25000 per cluster in second year.

The detailed component- wise pattern of assistance is at Statement-IA

C. Mission Organic Value Chain Development for North Eastern Region (MOVCDNER):

Under this Scheme, the assistance is provided for cluster development, on/off farm input production, supply of seeds/ planting materials, setting up of functional infrastructure, establishment of integrated processing unit, refrigerated transportation, pre-cooling /cold stores chamber, branding labeling and packaging, hiring of space, hand holdings, organic certification through third party, mobilization of farmers/processers etc. Under this scheme, an area of 0.50 lakh ha will be covered under organic farming in North Eastern Region of the country during next three years. The detailed component-wise pattern of assistance is at Statement-IB.

- D. National Mission on Oilseeds and Oil Palm (NMOOP): Financial assistance @50% subsidy to the tune of ₹ 300/- per ha is being provided for different components including bio-fertilisers, Supply of Rhizobium culture/Phosphate Solubilising Bacteria (PSB)/ Zinc Solubilising Bacteria (ZSB)/ Azatobacter/ Mycorrhiza and vermi compost.
- E. National Food Security Mission (NFSM): Under NFSM, financial assistance is provided for promotion of Bio-Fertilizer (Rhizobium/PSB) @50% of the cost limited to ₹ 300 per ha.
- F. Rashtriya Krishi Vikas Yojana (RKVY): Organic Farming project components are considered by the respective State Level Sanctioning committee according to their priority choice.
- G. Indian Council of Agricultural Research (ICAR): The Indian Council of Agricultural Research (ICAR), is implementing programmes under Network project on "Soil Biodiversity-Biofertiliser" and developed improved and efficient strains of biofertiliser specific to different crops and soil types. Liquid Biofertiliser technology with higher shelf life has also been developed. The ICAR also imparts training, organizes Front Line Demonstrations (FLDs) to educate farmers on all these aspects.

Statement-IA**PKVY Guidelines**

Name of Component	Assistance
A. Cluster Approach.	
Cluster formation	One cluster 50 acres (20 ha) contiguous area. Assistance eligibility to farmer maximum one ha @ ₹ 20,000/- acre (₹ 50,000/- per ha) Total ₹ 10.00 lakhs for three years. ₹ 4.95 lakh for mobilization and PGS certification. Total ₹ 14.95 lakh per cluster.
Meetings and discussions of farmers	@ ₹ 200/- per farmer (₹ 10,000/- for 3 years).
Exposure visit for farmer	@ ₹ 200/- per farmer (₹ 10,000/- for 3 years).
Training of cluster member (3 Trainings)	@ ₹ 20,000/- per training (Total ₹ 60,000 for one cluster for 3 years).
TOTAL	₹ 80,000/-
B. PGS certification and quality control.	
Training on PGS certification (2 days)	@ ₹ 200/- per Lead Resourceful Person (LRP) Total ₹ 400/- for 3 years.
Training of Trainers (LRP) (3 days)	@ ₹ 250/- day (Total ₹ 750/- for 3 years).
Online Registration of farmer	@ ₹ 100/- per member (Total ₹ 10,000/- for 2 years).
Soil sample collection and testing (21 samples/year/cluster)	@ ₹ 190/- per sample (Total = 21X190 = ₹ 3990/- per year).(Total ₹ 11970/- for 3 years).
Process documentation - inputs used, organic manures and fertilizer used etc. for PGS certification.	@ ₹ 100/- per member (Total ₹ 5000/- per year) (Total ₹ 15000/- for 3 years).
Inspection of cluster member fields (3 inspections)	@ ₹ 400/- per inspection (Total ₹ 1200/- per year and ₹ 3600/- for 3 years).
Residue analysis of samples in NABL (8 Samples/year/ cluster)	@ ₹ 10,000/- per sample (Total ₹ 80,000/- per year). (Total ₹ 160,000/- for 2 years).
Certification charges	@ ₹ 2000/- for 3 years.

Name of Component	Assistance
Administrative expenses for certification.	@ ₹ 59950/- (Salary & maintenance)- for 3 years
TOTAL	₹ 2,63,670/-
C. Adoption of organic village.	
Conversion of land to organic.	@ ₹ 1000/-per acre (Total ₹ 50,000/- - per year) (Total ₹ 1,50,000/- for 3 years)
Organic seed/nursery raising, procurement	@ ₹ 500/- - per acre/ (Total ₹ 25000/- per year (Total ₹ 75000/- for 3 years).
Production Units <i>i.e.</i> Pachagavya/Beejamruth/Jeevamruth etc.	@ ₹ 1500/- - per unit/acre(Total ₹ 75000/- for one cluster for 3 years).
Green Manuring/ Biological Nitrogen Harvest Planting.	@ ₹ 2000/- per acre (Total ₹ 1.00 lakh for 3 years).
Botanical extracts production units	@ ₹ 1000/- per unit/acre (Total ₹ 50,000/- for 3 years).
TOTAL	₹ 4,50,000/-
D. Integrated Manure Management.	
Liquid Bio- fertilizers	@ ₹ 500/- per acre (Total ₹ 25000)- for one cluster for 3 years.
Liquid Bi- pesticides	@ ₹ 500/- per acre (Total ₹ 25000/- for one cluster for 3 years.
Natural Pest control mechanism	@ ₹ 500/- per acre (Total ₹ 25000/- for one cluster for 3 years.
Phosphate Rich Organic Manure (PROM)	@ ₹ 1000/- per acre (Total ₹ 50,000/- for one cluster for 3 years.
Vermi- compost (Size 7'X3X1')	@ ₹ 5000/- per unit, 50 unit for one cluster (Total ₹ 2,50,000/- for one cluster for 3 years).
TOTAL	₹ 3,75,000/-
E. Custom Hiring Centre (CHC) Charges.	
Agriculture implements	@ ₹ 15,000/- per year (Total ₹ 45,000/- for 3 years)
Walk in tunnels for Horticulture crops	As per MIDH Guidelines.
Cattle shed/Poultry/Piggery for animal compost	As per Gokhul guidelines.
TOTAL	₹ 45000/-

Name of Component	Assistance
F. Packing, Labelling and Branding.	
Packing material with PGS Logo +Hologram	@ ₹ 2500/- per acre (Total ₹ 1,25,000/- for 3 years).
Transportation of organic products (four Wheeler 1.5 Ton Capacity)	@ ₹ 1,20,000/- total for one cluster.
Organic Fairs	@ ₹ 36330/- per cluster total for 3 years.
TOTAL	₹ 281,330/-
GRAND TOTAL	₹ 14,95,000/-

Statement-I B*MOVCDNER Guidelines*

Sl. No.	Components	Rate (₹)
A. Value chain Production		
A1. Development of Organic Production Clusters		
A.1.1.	Clusters development and formation of Farmer producer Companies, as per SFAC norms.For 100 FPCs each comprising of 500 farmers	4075/- per farmer. @ ₹ 20.375 lakh/FPC
A.1.2	Assistance for on-farm input production infrastructure (@ Rs 3750/ha) and off-farm inputs (@ Rs 3750/ha)	7500/ ha x2 = 15000/ha.
A.1.3	Assistance for quality seed and planting material (50% of maximum ₹ 35000/ha limited to the actual cost as per crop)	17500 per ha
A.2	Support for extension services, input facilitation, training handholding and certification	
A.2.1	Assistance for setting up of input delivery, distribution and argil-machinery custom hiring centre through state lead agencies	10 lakh/FPO
A.2.2	Support and extension services for training, handholding and certification at production stage	
A.2.2.1	Training, hand holding, documentation and certification of crop production through service providers (As per MIDH Guidelines)	10,000/- per ha
B.	Value Chain processing (For FPC and private entrepreneur through Bank credit linked)	
B1.	Value Chain Post harvest - Setting up of collection, aggregation, grading facilities	

Sl. No.	Components	Rate (₹)
B.1.1	Setting up of functional infrastructure for collection, aggregation and grading units @ ₹ 15 lakh (75% subsidy)	11.25 lakh (175 No. total)
B2.	Setting up of value addition and processing units including packaging, storage and transportation	
B.2.1	Financial assistance for setting up of integrated processing units with TFO of ₹ 800 lakh or more limited to 75% to FPCs and 50% to private as credit linked back ended subsidy	600.00 lakh/unit (10 No. total)
B.3	Value chain packaging, storage and transportation	
B.3.1	Integrated pack house 75% subsidy to FPCs on TFO of ₹ 50 lakh or more and 50% to private limited to ₹ 37.50 lakh	37.50 lakh/unit (20 No. total)
B.3.2	Transportation/ 4 wheeler up to TFO of ₹ 12 lakh (50%)	6.00 lakh/ FPC. (25 No. total)
B.3.3.1	Refrigerated transport vehicle up to TFO of ₹ 25 lakh (75% subsidy to FPC and 50% to private)	18.75 lakh/unit (16 No. total)
B.3.3.2	Pre-cooling/ cold stores/ ripening chambers. FPOs	18.75 lakh/unit (16 No. total)
C.	Value chain Marketing - Branding, labelling, certification, quality control, retail outlets, awareness and publicity through lead agencies	
C.1	Branding, labelling, packaging, publicity and certification of processing units etc.	₹ 1100 lakh L.S. total
C.2	Seminars/ conferences, workshops, Buyer-seller meets, Auction meetings, festivals.	₹ 400 lakh L.S. total
C.3	Consumer awareness Information dissemination through publicity, printed literature films and local advertisements	₹ 400 lakh L.S. total
C.4	Hiring of space in prime markets	₹ 600 lakh L.S. total
D.	Value Chain Support Agencies	
D1.	Setting up of Lead agency/Organic Commodity Board/ Organic Mission for scheme implementation and market facilitation. To be set up at state level	
D.1.1	Staff, Manpower, Travel and contingencies, Institutional strengthening and hire/ purchase of machinery and equipments	5% of total scheme budget

Sl. No.	Components	Rate (₹)
D.1.2	Setting up of organic certification bodies. One time assistance will be provided for hiring consultants for preparation of operating manuals, training and exposure of manpower and facilitating institutional set up. Cost of manpower to be borne by the state.	₹ 500 lakh L.S. total

Statement-II

State-wise details of different organic manures produced/available (lakh MT) in different States (2014-15)

State	Rural Compost (MT)	FYM (MT)	City Compost (MT)	Organic manure (MT)	Vermi Compost (MT)	Other manure (MT)	Total Manure (MT)	Area cover (Lakh Ha.)	Green manure (Ha.)
1	2	3	4	5	6	7	8	9	10
Andhra Pradesh	49.5	0.21	21.3	0	1.02	0	72.03	7.203	28.54
Arunachal Pradesh	0.11	0.25	0.00	0.01	0.65	0.06	1.08	0.108	0.07
Assam	0.92	940	0.03	0	1.75	0	942.70	94.27	2.9
Bihar	3.83	0	0.29	4.91	3.14	0	12.17	1.217	362000
Chhattisgarh	49	45.5	3.25	0.0011	3.5	3	104.25	10.42511	420000
Delhi	0	0	0.8	0	0	0	0.80	0.08	0
Goa	0.04	0	0.5	0.04	0.03	0.216	0.83	0.0826	3
Gujarat	0	361	0	0	0.51	4.195	365.71	36.5705	3.2
Haryana	0	0	0	0.084	0.063	0	0.15	0.0147	0
Himachal Pradesh	2	0	0.23	0.0074	26.4	0	28.64	2.86374	0.5
Jammu and Kashmir	1.761	0.00	0.19	0	0	0	1.95	0.1951	1080
Jharkhand	0	0	0	0	511	0	511.00	51.1	0
Karnataka	0	0	10.32	0	6.1	0	16.42	1.642	0
Kerala	0	1.11	1.86	0	0.88	0	3.85	0.385	0
Madhya Pradesh	5.85	0.01	0.059	0	0	0.135	6.05	0.6054	60000

1	2	3	4	5	6	7	8	9	10
Maharashtra	0	0	5.5	0	1.42	3.126	10.05	1.0046	0.65
Manipur	0	0.65	0.00	0	0.05	0	0.70	0.07	0
Mizoram	0	0.06	0	0	0.06	0	0.12	0.012	0
Meghalaya	0	17.00	0.00	0	0	0	17.00	1.7	0
Nagaland	0.035	0.84	0	0	0.05	0	0.93	0.0925	0.9
Odisha	23.27	0	0.07	0	0	0	23.34	2.334	0
Punjab	0	2.96	0	0.0064	0.329	0.031	3.33	0.33264	199000
Puducherry	0	0	3.23	0	0	0	3.23	0.323	0
Rajasthan	0	0	0	0.015	0	0.007	0.02	0.0022	0
Sikkim	0.32	0	0	0	0.03	0	0.35	0.035	0
Tamil Nadu	0	0	6.38	5.042	0	0	11.42	1.1422	0
Tripura	0	0	0	0	0	0	0.00	0	0
Uttar Pradesh	0	0	0	0	0.105	0	0.11	0.0105	238805
Uttarakhand	9.4	13.6	0	0	0.2961	0	23.30	2.32961	0
West Bengal	79.84	17.2	10.21	0.07	25.8119	3.986	137.12	13.71179	16.1
GRAND TOTAL	225.88	1400.39	64.22	10.186	583.20	14.756	2298.62	229.8622	1280941

Total Cover Area = 242.67 lakh ha. or 24.26 million ha.

Source: Compiled by NCOF (Data Provided by Production Units/State Government)

(Manure area cover 229.86 lakh ha + Green manuring area 12.80 lakh ha.)

Linking of wholesale markets with e-platform

†2963. SHRI AMAR SHANKAR SABLE: Will the Minister of AGRICULTURE AND FARMERS WELFARE be pleased to state:

(a) whether Government is planning to develop a national integrated agriculture market to provide better price for agricultural produce to improve the deteriorating condition of farmers, if so, the details thereof;

(b) whether Government is planning to link the main wholesale markets of the country including Maharashtra with an e-platform;

†Original notice of the question was received in Hindi.