

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

LOK SABHA
UNSTARRED QUESTION NO.2276
TO BE ANSWERED ON THE 29TH NOVEMBER, 2016

PRODUCTION OF NATURAL MANURE

2276. SHRI RAMESH BIDHURI:

Will the Minister of AGRICULTURE AND FARMERS WELFARE ढाढशुआँआँ एवं किसान कल्याण १/२आँआँआँ be pleased to state:

- whether the Government proposes to boost the production of natural manure through the utilization of agricultural wastes and animal dung;
- if so, the details thereof; and
- the steps taken by the Government in this regard?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE AND FARMERS WELFARE

ढाढशुआँआँ एवं किसान कल्याण १/२आँआँआँ १/२आँआँ १/२आँआँ (SHRI PARSHOTTAM RUPALA)

(a) to (c): Yes, Madam. The Government is promoting the production of organic manure through utilization of agricultural wastes and animal dung through the Scheme of “ INM & Organic Component” of Soil Health Management (SHM) under National Mission for Sustainable Agriculture (NMSA) under which assistance is provided for setting up of mechanized fruit/vegetable market/agro waste compost production unit 100 Tonne per Day (TPD)/3000 Tonne per Annum (TPA) capacity under Capital Investment Subsidy Scheme (CISS) through National Bank for Agriculture and Rural Development (NABARD). The financial assistance is provided through NABARD as back ended subsidy to farmers/individual/private agencies @33% of total financial outlay (TFO) limited to Rs.63 lakh, whichever is less. The details of funds released as subsidy to various states for setting up of fruit/vegetable market waste compost production unit is given in Annexure- I.

Government is encouraging production and use of organic manure /bio-fertilizers through various schemes of National Mission for Sustainable Agriculture (NMSA)/ Paramparagat Krishi Vikas Yojana (PKVY),Mission for Integrated Development of Horticulture (MIDH, Rashtriya Krishi Vikas Yojana (RKVY), and National Mission on Oilseeds and Oil Palm (NMOOP), National Food Security Mission (NFSM) and Indian Council of Agricultural Research (ICAR). The pattern of assistance is given in **Annexure-II.**

Annexure-I

**State wise no. of units and subsidy under CISS for fruit/vegetable compost unit
(According to NABARD communication)**

S.N.	State	2013-14		2014-15		2015-16	
		Unit	Subsidy (Rs..Lakh)	Unit	Subsidy (Rs.Lakh)	Unit	Subsidy (Rs. Lakh)
1.	Assam	01	15.098	-	-	-	-
2.	Haryana	-	-	-	-	01	30.0
3.	Karnataka	03	84.268	-	-		
4.	Madhya Pradesh		-	-	-	01	19.191
5.	Tamil Nadu	-	-	-	-	01	29.97
	Total	04	99.366	0	0	03	79.161

Note : information compiled by NCOF

Annexure II

A. National Mission of Sustainable Agriculture (NMSA)-Organic & INM Component of Soil Health Management (SHM):

- i) Setting up of State of art liquid/carrier based Bio-fertilizer/Bio-pesticide units, 100% Assistance to State Govt/Govt. Agencies upto a maximum limit of Rs.160.00 lakh/unit and 25% of total financial outlay or limited to Rs.40 lakh/unit whichever is less for individuals/private agencies through NABARD as back ended capital investment subsidy scheme of 200 Total Per Annum (TPA) production capacity.
- ii) 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 Rs.85 lakh for new laboratory and up to a maximum limit of Rs. 45 lakh for strengthening of existing infrastructure to State Government Laboratory under Agriculture or Horticulture Department.
- iii) 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 Rs.5000/-per ha and Rs.10,000 per beneficiary.
- iv) Setting up of mechanized Fruit/ Vegetable market waste/ Agro waste compost production unit 100% financial assistance to State Government/ Government Agencies upto a maximum limit of Rs.190.00 lakh per unit and 33% of project cost or maximum limited to Rs.63 lakh per unit whichever is less 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.
- v) **Paramparagat Krishi Vikas Yojana (PKVY):** The scheme is implemented by the State Governments on a cluster basis of 20 hectare each. The farmer within the cluster is given following financial assistance for Integrated Manure Management.
 - a) Liquid Bio-fertilizer consortia (Nitrogen fixing/ Phosphate Solubilizing/ potassium mobilizing bio-fertilizer) @ Rs.500/acre x 50 of Rs.25000 per cluster in first year.
 - b) Liquid Biopesticides (Trichoderma viridae, Pseudomonas, fluorescens, Matarhizium, Beaviourie bassiana, Pacelomyces, verticillium) @ Rs.500/ acre x 50 of Rs.25000 per cluster in second year.
 - c) Phosphate Rich Organic Manure (PROM) as per specification given in FCO,1985 @Rs1000/acre X 50 of Rs 50000 in first year for procuring and application of PROM.
 - d) Farmer can take up any pest control mechanism easily available in their local area @Rs 500/acreX50 of Rs.25000 in second year.
 - e) Vermi-compost (size 7'x3'x1) @ Rs. 5000/unit X50 of Rs 250000 will be assisted for procurement of earthworms, preparation of pits, etc for construction of vermi composting pits.

The detail guidelines are uploaded in web site www.agricoop.gov.in.

B Mission for Integrated Development of Horticulture (MIDH)

1. **Adoption of Organic Farming.** -50% of cost limited to Rs. 10000/ha for a maximum area of 4 ha. per beneficiary, spread over a period of 3 years involving assistance of Rs.4000/- in first year and Rs.3000/- each in second & third year. The programme to be linked with certification.

2. **Organic Certification** - Rs. 5 lakh for a cluster of 50 ha which will include Rs. 1.50 lakh in first year, Rs. 1.50 lakh in second year and Rs. 2.00 lakh in third year.

3. **Vermi compost Units/organic input production** - 50% of cost conforming to the size of the unit of 30'X8'X2.5' dimension of permanent structure to be administered on pro-rata basis. For HDPE Vermibed, 50% of cost conforming to the size of 96 cft (12'X4'X2') and IS 15907:2010 to be administered on pro-rata basis (Rs. 100,000/ unit for permanent structure and Rs. 16,000/unit for HDPE Vermibed).

C .National Mission on Oilseeds and Oil Palm (NMOOP): Financial assistance is being provided for different type of components including bio-fertilisers, Supply of Rhizobium culture/Phosphate Solubilising Bacteria (PSB)/ Zinc Solubilising Bacteria (ZSB)/ Azatobacter/ Mycorrhiza and vermi compost.

D. National Food Security Mission (NFSM): Under NFSM, financial assistance is provided for promotion of Bio-Fertilizer (Rhizobium/PSB) @ 50% of the cost limited to Rs.300 per ha.

E. Rashtriya Krishi Vikas Yojana (RKVY): Organic Farming projects are considered by respective State Level Sanctioning committee.

Indian Council of Agricultural Research (ICAR): The Indian Council of Agriculture Research (ICAR), Pusa under Network project on Soil Biodiversity-Bio-fertiliser has developed improved and efficient strains of bio-fertiliser specific to different crops and soil types. Liquid Bio-fertiliser technology with higher shelf life has also been developed. Besides, the Council has developed technology to prepare various types of organic manures such as phosphocompost, vermincompost, bio-enriched compost, municipal solid waste compost, etc. from various organic wastes.

The ICAR also imparts training, organizes Front Line Demonstrations (FLDs) to educate farmers on all these aspects.
