

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

LOK SABHA
UNSTARRED QUESTION NO.4010
TO BE ANSWERED ON THE 20TH MARCH, 2018

USE OF BIO-FERTILIZERS

4010. SHRIMATI KAMLA DEVI PAATLE:

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

- (a) whether the Government proposes to set up bio-fertilizers plants in various States of the country to promote the use of bio-fertilizers;
- (b) if so, the details thereof, Statewise, including Chhattisgarh; and
- (c) the various other measures taken by the Government to promote the use of bio-fertilizers?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE AND FARMERS WELFARE

कृषि एवं किसान कल्याण मंत्रालय में राज्य मंत्री (SHRI PARSHOTTAM RUPALA)

(a) & (b): Yes, Madam. The Government is encouraging the establishment of biofertilizer/biopesticides (200 TPA or 50000liter/annum) production units by providing 100% financial assistance to State Government upto a maximum limit of Rs 160.00 lakhs per unit and financial assistance to farmers/individual/private agencies @ 25% total financial outlay (TFO) or Rs.40 lakh, whichever is less under Capital Investment Subsidy Scheme(CISS) through NABARD. State- wise no. of units and subsidy under CISS for Vermi hatchery/ biofertilizer/ fruit vegetable waste compost is given at **Annexure -I**.

(c): Government is promoting bio-fertilizers through various schemes of National Mission of Sustainable Development (NMSA)/ Paramparagat Krishi Vikas Yojana and supported by Rashtriya Krishi Vikas Yojana (RKVY) and National Mission on Oilseeds and Oil Palm (NMOOP), National Food Security Mission (NFSM) and Indian Council of Agricultural Sciences (ICAR). The pattern of assistance is given in **Annexure-II**.

Annexure -I

State wise no. of units and subsidy under CISS for Vermi hatchery/ biofertilizer/ fruit vegetable waste compost (as on 31st. August 2017)(According to NABARD)

S.N.	State	Vermi-hatchery	Bio-fertilizers	Fruit/Vegetable waste compost unit	Subsidy released (Rs. in Lakh)
1.	Andhra Pradesh	7	11	-	211.59
2.	Arunchal Pradesh	-	-	-	0.00
3.	Assam	27	2	2	75.95
4.	Bihar	8	-	-	10.50
5.	Chhattisgarh	-	-	-	0.00
6.	Delhi	-	-	1	40.00
7.	Goa	-	1	1	31.60
8.	Gujarat	57	5	1	198.00
9.	Himachal Pradesh	1	2		46.35
10.	Jammu & Kashmir	-	-	-	0.00
11.	Jharkhand	1	-	-	1.50
12.	Karnataka	41	11	5	564.34
13.	Kerala	1	2	2	61.56
14.	Madhya Pradesh	17	1	1	37.53
15.	Maharashtra	33	16	2	316.36
16.	Manipur	-	-	1	17.53
17.	Meghalaya	-	1	-	5.67
18.	Mizoram	-	-	-	0.00
19.	Nagaland	-	-	-	0.00
20.	Orissa	-	-	-	0.00
21.	Punjab& Haryana	116	12	1	288.30
22.	Rajasthan	170	2		148.29
23.	Sikkim	-	--	-	0.00
24.	Tamil Nadu	5	7	4	312.58
25.	Tripura	-	-	1	20.00
26.	Uttar Pradesh	120	2	1	234.88
27.	Uttara khand	1	4	-	69.75
28.	West Bengal	7	2	-	20.08
	Total	612	81	23	2712.36

PATTERN OF ASSISTANCE**A. National Mission of Sustainable Agriculture (NMSA)-Organic & 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 Rs.160.00 lakh /unit and 25% of cost limited to Rs.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 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.
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 Rs. 5000/- per ha and Rs. 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 Rs.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, 2015-16 to 2017-18. Further, following assistance is given for procuring liquid bio-fertilizer and bio-pesticides:

1. 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.
2. 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. National Mission on Oilseeds and Oil Palm (NMOOP): Financial assistance@ 50% subsidy to the tune of Rs. 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.

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

Under Bringing Green Revolution to Eastern India (BGREI), a sub scheme of RKVY, also supplied bio-fertilizer @50% of the cost limited to Rs. 300 per ha for Rice and Wheat crops.

E. Rashtriya Krishi Vikas Yojana (RKVY): Organic Farming project components are considered by the respective State Level Sanctioning committee according to their priority choice.

F. Indian Council of Agricultural Research (ICAR): The Indian Council of Agricultural Research (ICAR), is implementing 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.