

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

LOK SABHA
UNSTARRED QUESTION NO.3239
TO BE ANSWERED ON THE 6TH DECEMBER, 2016

PRODUCTION OF VEGETABLES

3239. SHRI SHER SINGH GHUBAYA:
PROF. CHINTAMANI MALVIYA:
DR. RAVINDRA KUMAR RAY:
DR. BHARATIBEN D. SHYAL:

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

- (a) whether it is a fact that seven different types of vegetables can be grown in a single farm within a gap of seven days through organic farming techniques;
- (b) if so, the time by which the said project is likely to be launched in various States including Punjab, Madhya Pradesh, Jharkhand and Gujarat; and
- (c) the details of the measures being taken by the Government to enhance the fertility of soil in various States of the country?

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): Government of India is implementing the Mission for Integrated Development of Horticulture (MIDH), Centrally Scheme during XII Plan w.e.f. 2014-15, for holistic growth of the horticulture sector covering fruits, vegetable, root and tuber crops, mushrooms, spices, flowers, aromatic plants, coconut, cashew, cocoa etc. All States and UTs are covered under MIDH. The Mission envisages production and productivity improvement of horticulture crops including fruits and vegetables through various interventions. Activities such as production of planning material, vegetable seed production, coverage of area with improved cultivars, rejuvenation of senile orchards, protected cultivation, creation of water resources, adoption of Integrated Pest Management (IPM), Integrated Nutrient Management (INM), organic farming including insitu generation of organic inputs are taken up for development of fruits and vegetables.

For production of vegetable, Mission provides assistance for seed production in open pollinated crops and for hybrid seed. It provides assistance for hybrid vegetable cultivation. For production of planting material, assistance is available for Hi-tech nursery, small nursery, setting up of new tissue culture units, import of planning material and seed infrastructure for handling processing, packing storage of seed material used for cultivation of horticultural crops including, vegetable. The Mission also, provides assistance for construction cost of Greenhouse, Shads net house, Plastic tunnels, Walk in tunnels and also supports for cost of planning material &

cultivation of high value vegetable grown in Polyhouse. Also, the Mission, through its Centres of Excellence for Horticulture and Precision Farming Development Centres (PFDCs), provides requisite information to farmers, so that they are in a position to apply necessary inputs for vegetable cultivation. The details of assistance provided under MIDH for vegetable seed production, hybrid vegetable cultivation, protected structure etc, is given at **Annexure I**.

(c): Government is implementing Soil Health Management under National Mission on Sustainable Agriculture (NMSA). Soil Health Management (SHM) is one of the components under National Mission for Sustainable Agriculture (NMSA). SHM aims at promoting Integrated Nutrient Management (INM) through judicious use of chemical fertilizers including secondary and micro nutrients in conjunction with organic manures and biofertilizers for improving soil health and its productivity; upgradation of skill and knowledge of soil testing laboratory staff, extension staff and farmers through training and demonstrations.

Besides, "Soil Health Card" Scheme is under implementation in the country since February 2015 to provide Soil Health Card to all farmers in the country. Soil Health Card will provide information to farmers on soil nutrient status of their soil and recommendation on appropriate dosage of nutrient to be applied for improving soil health and its fertility. Soil Health card will be issued every 2 years for all land holdings in the country.

Annexure I

Cost norms and pattern of assistance as per Mission for Integrated Development of Horticulture(MIDH) guidelines:

1. Production of planting material including vegetables			
S. No.	Item	Cost Norms*	Pattern of Assistance
	i) Hi-tech nursery (4 ha)	Rs. 25.00 lakh/ha.	100% to public sector limited to Rs 100 lakh/unit and in case of private sector, credit linked back-ended subsidy @ 40% of cost, subject to a maximum of Rs. 40 lakh/unit, for a maximum of 4 ha. As project based activity on prorata basis. Each nursery will produce a minimum of 50,000 numbers per hectare of mandated perennial fruit crops/ tree spices/ aromatic trees/plantation crops per year, duly certified for its quality.
	ii) Small Nursery (1 ha)	Rs. 15.00 lakh/ha	100% to public sector and in case of private sector, credit linked back-ended subsidy of cost, subject to a maximum of Rs. 7.50 lakh/unit, as project based activity. Each nursery will produce a minimum of 25,000 numbers of mandated perennial vegetatively propagated fruit plants/tree spices/plantation crops per year, aromatic plants, duly certified for its quality.
	iii) Upgrading nursery infrastructure to meet accreditation norms	Up to Rs. 10.00 lakh/nursery of 4 ha	100% to public sector and 50% of cost to private sector subject to a maximum of Rs. 5.00 lakh/nursery. The infrastructure facilities will include establishment of hot bed sterilization of media, Working shed, Virus indexing facility (for citrus & apple), Hardening chamber/net house, Mist chamber, Establishment of Mother Block, Irrigation and fertigation facility/unit.
	iv) Strengthening of existing Tissue Culture (TC) units	Rs. 20.00 lakh /unit	100% of cost to public sector and in case of private sector, credit linked back ended subsidy @ 50% of cost
	v) Setting up of new TC Units.	Rs. 250.00 lakh/unit	100% of total cost to public sector and in case of private sector, credit linked back ended subsidy @ 40% of cost. Each TC unit will produce a minimum of 25 lakh plants/year of mandated crops, duly hardened, for which protocols are available for commercial use.
	vi) Seed production for vegetables and spices		
	a) Open pollinated crops	Rs. 35,000/ha	For public sector 100%, for private sector 35% in general areas and 50% in NE & Himalayan States, Tribal Sub Plans (TSP) areas, Andaman & Nicobar & Lakshadweep Islands, limited to 5 ha. Output target of seed for each crop will be fixed by the individual state
	b) Hybrid seeds	Rs. 1.50 lakh/ha	For public sector 100%, for private sector 35% in general areas and 50% in NE & Himalayan States, TSP areas, Andaman & Nicobar & Lakshadweep Islands, limited to 5 ha. Output target of seed for each crop will be fixed by the individual state for each beneficiary, before releasing funds.
	vii) Import of planting material	Rs. 100.00 lakh	100% of cost for State Govt. / PSUs, as project based activity.
	viii) Seed infrastructure (for handling, processing, packing, storage etc. of seeds meant for use as seed material for cultivation of horticulture crops)	Rs. 200.00 lakh	100% of cost to public sector and in case of private sector, credit linked back subsidy @ 50% of cost of project.
II. Vegetable (For maximum area of 2 ha per beneficiary)			
	i) Hybrid	Rs.50,000/ ha	40% of cost in general areas and in the case of NE and Himalayan States, TSP areas, Andaman & Nicobar and Lakshadweep Islands, assistance will be @ 50% of cost.

2.	Protected cultivation		
	1. Green House structure		
	(a) Fan & Pad system	Rs. 1650/Sqm (up to area 500 Sq. m) Rs. 1465/Sq. m (>500 Sqm up to 1008 Sqm) Rs. 1420/Sq. m (>1008 Sq. m up to 2080 Sqm) Rs. 1400/Sq. m (>2080 Sq. m upto 4000 Sq.m) Above rates will be 15% higher for hilly areas.	50% of cost for a maximum area of 4000 sq. m per beneficiary.
	(b) Naturally ventilated system		
	i) Tubular structure	Rs.1060/Sq.m (up to area 500 Sq. m) Rs. 935/Sq.m (>500 Sq. m up to 1008 Sq. m) Rs. 890/Sq. m (>1008 Sqm up to 2080 Sq. m) Rs. 844/Sq. m (>2080 Sq. m up to 4000 Sq. m) Above rate will be 15% higher for hilly areas.	50% of the cost limited to 5 units (each unit not to exceed 800 Sq. m per beneficiary).
	ii) Wooden structure	Rs. 540/Sq. m and Rs. 621/Sq. m for hilly areas	50% of the cost limited to 20 units (each unit not to exceed 200 Sqm per beneficiary).
	iii) Bamboo structure	Rs. 450/Sq. m and Rs. 518/Sq. m for hilly areas	50% of the cost limited to 20 units (each unit should not exceed 200 Sqm per beneficiary).
	2. Shade Net House		
	(a) Tubular structure	Rs. 710/Sqm and Rs. 816/Sqm for hilly areas	50% of cost limited to 4000 Sq. m. per beneficiary.
	(b) Wooden structure	Rs. 492/Sqm and Rs. 566/Sqm for hilly areas	50% of cost limited to 20 units (each unit not to exceed 200 Sq.m) per beneficiary.

	(c) Bamboo structure	Rs.360/Sqm and Rs.414/Sqm for hilly areas	50% of cost limited to 20 units (each unit not to exceed 200 sq. m) per beneficiary.
	3. Plastic Tunnels	Rs. 60/Sqm and Rs.75/Sqm for hilly areas.	50% of cost limited 1000 sq. m per beneficiary.
	4. Walk in tunnels	Rs. 600/ sqm	50% of cost limited 4000 sq. m per beneficiary.
	5. Anti-Bird/Anti Hail Nets	Rs.35/Sqm	50% of cost limited to 5000 Sq. m per beneficiary.
	6. Cost of planting material of high value vegetables grown in poly house	Rs.140/Sq. m	50% of cost limited to 4000 Sq. m per beneficiary.
	7. Plastic Mulching	Rs. 32,000/ha and Rs. 36,800/ha for hilly areas	50% of the total cost limited to 2 ha per beneficiary.
