

(b) to (d) For revitalization of agricultural sector, improvement in production and productivity, stepping up the growth rates of the sector, and enhancement of the incomes of the farmers, the Government has already taken many initiatives like Rashtriya Krishi Vikas Yojana, National Food Security Mission, National Horticulture Mission, setting up of National Rainfed Area Authority and Protection of Plant Varieties and Farmers' Rights Authority, Micro Irrigation, Support to State Extension Programmes for Extension Reforms Scheme, Agriculture Debt Waiver and Debt Relief Scheme, National Agricultural Insurance Scheme, Comprehensive Credit Package, Revival of Short-term Cooperative Credit Institutions, Integrated Scheme of Oilseeds, Pulses, Oilpalm and Maize, etc.

The Government has also announced a National Policy for Farmers in 2007, incorporating many of the recommendations of the National Commission on Farmers that are aimed at the revival of the Indian agriculture with special emphasis on the economic well being of the farmers.

Further, initiatives like extending the green revolution to the eastern States, organising 60,000 "pulses and oil seeds villages" in rain-fed areas and sustaining the gains already made in the green revolution areas through conservation farming etc. have been announced in the Union Budget 2010-11 to give fillip to the agricultural sector.

Development of horticulture

1891. DR. JANARDHAN WAGHMARE: Will the Minister of AGRICULTURE be pleased to state:

(a) whether Government is aware of the fact that horticulture is gaining importance and significance in the country;

(b) if so, the financial aid given to the small farmers to develop horticulture in their farms;

(c) whether Government has any plan to develop horticulture through the National Rural Employment Guarantee Scheme; and

(d) if so, the details thereof?

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (PROF. K.V. THOMAS): (a) and (b) Yes, Sir. Government is aware that horticulture has gained significant importance and hence transformed the production scenario with the implementation of its two Centrally Sponsored Missions, namely Horticulture Mission for North East and Himalayan States (HMNEH) and National Horticulture Mission (NHM). The financial assistance admissible under each of the missions to the small farmers is given in Statement-I and II (*See below*).

(c) and (d) Horticulture plantation is one of the permissible activities under the Mahatma Gandhi National Rural Employment Guarantee Act, 2005, on individual lands owned by households belonging to the Schedule Castes and Schedule Tribes or Below Poverty Line families or to beneficiaries of land reforms or to the beneficiaries under the Indira Awas Yojana of the Government of India or that of small farmers or marginal farmers as defined in the Agriculture Debt Waiver and Debt Relief Scheme, 2008.

Statement-I

Horticulture Mission for North East and Himalayan States

Sl. No.	Item	Maximum permissible cost	Pattern of Assistance
1	2	3	4
MINI MISSION-II			
1. Production of planting material			
(i)	Model nursery/Big nursery (2-4 ha.)	Rs. 6.25 lakh/ha.	100% of the cost for Public sector and 50% for private sector having production capacity of 50,000 plants per ha. per year. Assistance could be availed upto Rs. 25.00 lakh by public sector and Rs. 12.50 lakh by private sector for an area of 4 ha..
(ii)	Small nursery (1 ha.)	Rs. 6.25 lakh	100% of the cost for Public sector and 50% for private sector having production capacity of 50,000 plants per ha. per year for 1 ha.
(iii)	Setting up of TC Units	Rs. 100 lakh/unit	100% of the to Public sector and 50% of cost to private sector units having production capacity of 15 lakh plants of mandated crops for which protocols are available for commercial use.
(iv)	Rehabilitation of existing Tissue Culture (TC) units	Rs. 15 lakh per unit-as Project based activity	100% of the cost to public sector and in case of private sector 50% of the cost.

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(v)	True Potato Seed Center	Rs. 25 lakh per center	100% of the cost to public sector and 50% of the cost to private sector.
(vi)	Progeny and Herbal Gardens	Rs. 5 lakh/unit	100% of the cost to public sector and in case of private sector @ 50% of the cost.
(vii)	Seed production for vegetables and Rhizomatic spices		
	(a) Open pollinated crops	Rs. 30,000/ha.	For public sector 100% for private sector, 75% of the cost, limited to 5 ha. Output target of seed for each crop will be fixed by the individual State for each beneficiary, before releasing funds.
	(b) Hybrid seeds	Rs. 1,33,000/ha.	For public sector, 100% and for private sector, 75% of the cost limited to 2 ha. Output targets of seed for each crop will be fixed by the individual State for each beneficiary, before releasing funds.
(viii)	Seed infrastructure for handling, processing, packing, storage etc. of seeds of horticulture crops.	Rs. 200 lakh	100% of the cost to public sector and 75% of cost to private sector.
2. Area expansion under Hort. Crops			
I.	Fruits (for a maximum area of 4 ha. per beneficiary)		
(i)	Cost Intensive Crops		

(a)	Fruit crops like Grapes, Strawberry, Kiwi, Passion fruit, etc.	Rs. 1,00,000 per ha.	75% of the cost <i>i.e.</i> Rs. 75000/ha. in 3 installments of 60:20:20 subject to survival rate of 75% in 2nd year and 90% in 3rd year.
(b)	Fruit crops like TC Banana and Pineapple	Rs. 1,00,000/ha./	75% of the cost <i>i.e.</i> Rs. 75000/ha. in 2 installments of 75:25
(c)	Fruit crops like Banana sucker and Papaya	Rs. 70,000/ha./	75% of the cost <i>i.e.</i> Rs. 52500/ha. in 2 installments of 75:25
(ii)	High density planting (apple, pear, peach, mango, guava, litchi, ber, etc.)	Rs. 80,000/ha.	75% of the cost <i>i.e.</i> Rs. 60000/ha. in 3 installments of 60:20:20 subject to survival rate of 75% in 2nd year and 90% in 3rd year.
(iii)	Fruit crops other than cost intensive crops using normal spacing	Rs. 40,000/ha.	75% of the cost <i>i.e.</i> Rs. 30000/ha. in 3 installments of 60:20:20 subject to survival rate of 75% in 2nd year and 90% in 3rd year.
II.	Vegetable (for maximum area of 2 ha. per beneficiary)		
(i)	Open pollinated	Rs. 30,000/ha.	75% of the cost <i>i.e.</i> Rs. 22500/ha.
(ii)	Hybrid	Rs. 45,000/ha.	75% of the cost <i>i.e.</i> Rs. 33750/ha.
III.	Mushroom		
(i)	Integrated mushroom unit consisting of composting, spawn production unit and training	Rs. 50 lakh/unit	100% of the project cost for public sector 50% for Private sector.

1	2	3	4
(ii)	Spawn making unit	Rs. 15 lakh/unit	100% of the cost to public sector and 50% of the cost to private sector.
(iii)	Compost making unit	Rs. 20 lakh/unit	100% of the cost to public sector 50% of the cost to private sector.
IV.	Flowers (for a maximum area of 2 ha. per beneficiary)		
(i)	Cut flowers	Rs. 70,000/ha.	75% of the cost <i>i.e.</i> Rs. 52500/ha. Provision of protected cultivation can also be availed in addition to the above.
(ii)	Bulbous flowers	Rs. 90,000/ha.	75% of the cost <i>i.e.</i> Rs. 67500/ha. Provision of protected cultivation can also be availed in addition to the above.
(iii)	Loose Flowers	Rs. 24,000/ha.	75% of the cost <i>i.e.</i> Rs. 18000/ha.
(iv)	Model Floriculture Centre	Rs. 100 lakh per centre	100% of the cost to public sector.
V.	Spices (for a maximum area of 4 ha. per beneficiary)		
(i)	Seed spices and Rhizomatic spices	Rs. 25,000/ha.	75% of the cost <i>i.e.</i> Rs. 18750/ha.
(ii)	Perennial spices (black pepper, cinnamon, clove and nutmeg)	Rs. 40,000/ha.	75% of the cost <i>i.e.</i> Rs. 30000/ha.
(iii)	Cost intensive spices <i>viz.</i> Saffron	Rs. 80,000/ha.	75% of the cost <i>i.e.</i> Rs. 60000/ha.

VI. **Aromatic Plants** (for a maximum area of 4 ha. per beneficiary)

(i)	Cost intensive aromatic plants (patchouli, geranium rosemary, etc.)	Rs. 75,000/ha.	75% of the cost <i>i.e.</i> Rs. 56250/ha.
(ii)	Other Aromatic Plants	Rs. 25,000/ha.	75% of the cost <i>i.e.</i> Rs. 18750/ha.
3.	Rejuvenation/Replacement of senile plantations	Rs. 30000/ha.	50% of the cost subject to a maximum of Rs. 15000/ha. limited to 2 ha. per beneficiary.
4.	Creation of water sources		
(i)	Community tank/on farm pond/on farm water reservoirs with use of plastic/RCC lining	Rs. 17.25 lakh/unit	100% of the cost for 10 ha. of command area, with size of 100m × 100m × 3m or any other size depending upon pro rata basis, owned and managed by a community/farmer group. Cost for non-lined ponds/tanks only in black cotton soils will be 33% less. Assistance under the mission will be restricted to the cost of plastic/RCC lining. However, for non NREGA beneficiaries, assistance on entire cost including construction of pond as well as lining can be availed under the Mission
(ii)	Water harvesting system for individuals-for storage of water in 20m × 20m × 3m pond/tube wells/dug wells	Rs. 1.38 lakh per unit	75% of the cost <i>i.e.</i> Rs. 1.03 lakh beneficiary Assistance could be given for small size on pro rata basis.

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5. Protected Cultivation			
I Green House Structure			
(a) Fan and pad system	Rs. 1465/sq.m	50% of the cost limited to 1000 Sq.m per beneficiary	
(b) Naturally ventilated system			
(i) Tubular Structure	Rs. 935/sq.m	50% of the cost limited to 1000 Sq.m per beneficiary	
(ii) Wooden Structure	Rs. 515/sq.m	50% of the cost limited to 1000 Sq.m per beneficiary	
(iii) Bamboo Structure	Rs. 375/sq.m	50% of the cost limited to 1000 Sq.m per beneficiary	
II Plastic Mulching	Rs. 20,000 per ha.	50% of the cost limited to 2 ha. per beneficiary	
III Shade Net House			
(i) Tubular Structure	Rs. 600/sq.m	50% of the cost limited to 1000 Sq.m per beneficiary	
(ii) Wooden Structure	Rs. 410/sq.m	50% of the cost limited to 1000 Sq.m per beneficiary	
(iii) Bamboo Structure	Rs. 300/sq.m	50% of the cost limited to 1000 Sq.m per beneficiary	
IV Plastic Tunnels	Rs. 30/sq.m	50% of the cost limited to 5000 sq.m per beneficiary	
V Anti Bird/Anti Hail Nets	Rs. 20/sq.m	50% of the cost limited to 5000 sq.m per beneficiary	
VI Cost of planting material of high value vegetables grown in poly house	Rs. 105/sq.m	50% of the cost limited to 500 sq.m per beneficiary	
(i) Cost of planting material of high value flowers for poly house	Rs. 500/sq.m	50% of the cost limited to 500 sq.m per beneficiary	

(ii)	Promotion of INM/IPM	Rs. 2000/ha.	50% of cost subject to a maximum of Rs. 1000/ha. limited to 4 ha./beneficiary.
(iii)	Bio Control Lab	Rs. 80 lakh/unit	100% of the cost to public sector and 50% of the cost to private sector.
(iv)	Plant Health Clinics	Rs. 20 lakh/unit	100% of the cost to public sector and 50% of the cost to private sector.
(v)	Leaf/Tissue analysis labs.	Rs. 20 lakh/unit	100% of the cost to public sector and 50% of the cost to private sector.
6. Organic Farming			
(i)	Adoption of organic farming	Rs. 20,000/ha.	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 and third year. The programme to be linked with certification.
(ii)	Organic Certification	Project based	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.
(iii)	Vermi-compost unit	Rs. 60,000/unit for permanent structure and Rs. 10,000/unit for	50% of cost conforming to the size of the unit of 30'×8'×2.5' dimension of permanent structure to be administered on pro-rata basis. For HDPE Vermibed,

1	2	3	4
		HDPE Vermibed	50% of cost conforming to the size of 96 cft (12'×4'2') to be administered on pro-rata basis.
7.	Certification for GAP, including infrastructure	Rs. 10,000 per ha.	50% of the cost.
8.	Pollination Support through Bee Keeping		
(i)	Production of bee colonies by bee breeder	Rs. 6 lakh	50% of cost for producing minimum of 2000 colonies/year.
(ii)	Honey bee colony	Rs. 1400 per colony of 4 frames	50% of cost limited to 50 colonies/beneficiary.
(iii)	Hives	Rs. 1600 per hive	50% of cost limited to 50 hives/beneficiary.
(iv)	Equipment including honey extractor (4 frame), food grade container (30 kg.), net, etc.	Rs. 14,000 per set	50% of the cost limited to one set per beneficiary.
9.	Horticulture Mechanization		
(i)	Power operated machines/tools including Power Saw and Plant Protection equipments etc.	Rs. 35,000/set	50% of cost limited to one set per beneficiary.
(ii)	Power Machines (upto 20 BHP) with rotavator/ equipment	Rs. 1.20 lakh/set	50% of cost limited to one set per beneficiary.
(iii)	Power machines (20 HP and above) including accessories/equipments	Rs. 3 lakh/set	50% of cost limited to one set per beneficiary.

MINI MISSION-III

1. Post Harvest Management

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| (i) | On farm collection and sorting unit (pack house) | Rs. 3 lakh/unit with size of 9M×6M | 50% of the capital cost |
| (ii) | Pre-cooling unit | Rs. 15 lakh for 6MT capacity | Credit linked back-ended subsidy @ 50% of the cost of project. |

2. Establishment of Marketing Infrastructure for horticultural produce in Government/Private/Cooperative sector

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| (i) | Retail Markets/outlets (environmentally controlled) | Rs. 10.00 lakh per unit | 50% of the capital cost. |
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Statement-II
National Horticulture Mission

Sl. No.	Item	Maximum permissible cost	Pattern of Assistance
1	2	3	4
Establishment of new gardens (Area expansion)			
I. Fruits			
(a)	Cost intensive crops (For a maximum area of 4 ha. per beneficiary)		
(i)	Perennial Fruits-Grape, Strawberry, Kiwi, Passion fruit etc.	Rs. 1,00,000/ha.	Maximum of Rs. 50,000/- per ha. (50% of cost for meeting the expenditure on planting material and cost of material for INM/IPM etc., in 3 installments of 60:20:20 subject to survival rate of 75% in 2nd year and 90% in 3rd year).
(ii)	Non Perennial Fruits-Banana (sucker) and Pineapple	Rs. 70,000/ha.	Maximum of 35,000/- per ha. (50% of cost for meeting the expenditure on planting material and cost of material for INM/IPM etc., in 2 installments 75:25 subject to survival rate of 90% in second year).
(iii)	Banana (TC) and Pineapple	Rs. 1,00,000/ha.	Maximum of Rs. 50,000/- per ha. (50% of cost for meeting the expenditure on planting material and cost of material for INM/IPM etc., in 2 installments of 75:25 subject to survival rate of 90% in second year).

(b)	High density planting (mango, guava, litchi, ber, etc.).	Rs. 80,000/ha.	Maximum of Rs. 40,000/- per ha. (50% of cost for meeting the expenditure on planting material and cost of material for INM/IPM etc., in 3 installments of 60:20:20 subject to survival rate of 75% in 2nd year and 90% in 3rd year).
(c)	Fruit crops other than cost intensive crops using normal spacing.	Rs. 40,000/ha.	Maximum of Rs. 30,000/- per ha. (75% of cost for meeting the expenditure on planting material and cost of INM/IPM etc. in 3 installments of 60:20:20 subject to survival rate of 75% in 2nd year and 90% in 3rd year for perennial crops and for non perennial crops in 2 installments of 75:25 subject to survival rate of 90% in second year).
II. Flowers (For a maximum of 2 ha. per beneficiary)			
(a)	Cut flowers	Rs. 70,000/ha.	50% of the cost to Small and Marginal (S&M) farmers and 33% to other category farmers, subject to a maximum of Rs. 35,000/- per ha. for S&M farmers and Rs. 23,100/- per ha. for other category farmers.
(b)	Bulbous flowers	Rs. 90,000/ha.	50% of the cost to Small and Marginal farmers and 33% to other category farmers, subject to a maximum of Rs. 45,000/- per ha. for S&M farmers and Rs. 29,700/- per ha. for other category farmers.
(c)	Loose Flowers	Rs. 24,000/ha.	50% of the cost to Small and Marginal farmers and 33% to other category farmers, subject to a maximum

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			of Rs. 12,000/- per ha. for S&M farmer and Rs. 7,920/- per ha. for other category farmers.
III	Spices (For a maximum area of 4 ha. per beneficiary)		
(a)	Seed spices and Rhizomatic Spices.	Rs. 25,000/ha.	Maximum of Rs. 12,500/- per ha. (50% of cost for meeting the expenditure on planting material and cost of material for INM/IPM etc.).
(b)	Perennial spices (black pepper, cinnamon, clove and nutmeg)	Rs. 40,000/ha.	Maximum of Rs. 20,000/- per ha. (@50% of cost for meeting the expenditure on planting material and cost of material for INM/IPM etc.).
IV.	Aromatic Plants (For a maximum area of 4 ha. per beneficiary)		
(a)	Cost intensive aromatic plants (patchouli, geranium, rosemary etc.)	Rs. 75,000/ha.	50% of cost, subject to a maximum of Rs. 37,500/- per ha., for meeting the expenditure on planting material and cost of material for INM/IPM etc.
(b)	Other aromatic plants	Rs. 25,000/ha.	50% of cost, subject to a maximum of Rs. 12,500/- per ha., for meeting the expenditure on planting material and cost of material for INM/IPM etc.
V.	Plantation crops (For a maximum area of 4 ha. per beneficiary)		
	Cashew and Cocoa including replanting	Rs. 40,000/ha.	Maximum of Rs. 20,000/- per ha. (50% of cost for meeting the expenditure on planting material and cost of material for INM/IPM etc.) in 3 installments of 60:20:20 subject to survival rate of 75% in second year and 90% in third year for a maximum area of 4 ha. per beneficiary.