




SCHEMES OF GOVERNMENT OF PUNJAB FOR HORTICULTURE

S No	Name of Scheme	Type of Activity	Subsidy	
1	A(P)14.3 Plan scheme Development of Horticulture including Sericulture in the state	Fruit plant and nursery production and development of Govt. orchards. To provide subsidy on fruit plants , garden tools , spray pumps	Nil 50% or Rs.1200 per acre	
2	A(P)14.6 Plan Scheme for the demonstration –cum –fruit preservation lab and community canning center .	To conduct training for preservation of fruits and vegetables .	Nil	
3	A(P)16.11 Plan Scheme for transmission of technology through extension demonstrations and training under Horticulture practices	To provide hybrid vegetable seeds To implement thrust points in vegetables production and orchard	Rs.1000 Per acre Rs . 500 per two kanal	

NATIONAL HORTICULTURE MISSION OPERATIONAL GUIDELINES

1. INTRODUCTION

National Horticulture Mission (NHM) will be implemented in all the States and Union Territories of India except the North Eastern States, Himachal Pradesh, Jammu & Kashmir and Uttaranchal (for which a separate Technology Mission for integrated development of horticulture exists) to promote holistic growth of the horticulture sector covering fruits, vegetables, root & tuber crops, mushroom, spices, flowers, aromatic plants, cashew and cocoa. Programmes for the development of coconut will be implemented by the Coconut Development Board (CDB), independent of the Mission. This will be a Centrally sponsored scheme in which Government of India shall provide 100% assistance to the State Missions during Tenth Plan. During the XI Plan, the Government of India assistance will be 85% with 15% contribution by the State Governments.

2. MISSION OBJECTIVES

The main objectives of the Mission are:

- i) To provide holistic growth of the horticulture sector through an area based regionally differentiated strategies which include research, technology promotion, extension, post harvest management, processing and marketing, in consonance with comparative advantage of each State/region and its diverse agro-climatic feature;
- ii) To enhance horticulture production , improve nutritional security and income support to farm households
- iii) To establish convergence and synergy among multiple on-going and planned programmes for horticulture development;
- iv) To promote, develop and disseminate technologies, through a seamless blend of traditional wisdom and modern scientific knowledge;
- v) To create opportunities for employment generation for skilled and unskilled persons, especially unemployed youth.

3. STRATEGY

To achieve the above objectives, the mission would adopt the following strategies:

- (i) Ensure an end-to-end holistic approach covering production, post harvest management, processing and marketing to assure appropriate returns to growers/producers;
- (ii) Promote R&D technologies for production, post-harvest management and processing;
- (iii) Enhance acreage, coverage, and productivity through:
 - (a) Diversification, from traditional crops to plantations, orchards, vineyards, flower and vegetable gardens;
 - (b) Extension of appropriate technology to the farmers for high-tech horticulture cultivation and precision farming.
- (iv) Assist setting up post harvest facilities such as pack house, ripening chamber, cold storages, Controlled Atmosphere (CA) storages etc, processing units for value addition and marketing infrastructure;
- (v) Adopt a coordinated approach and promotion of partnership, convergence and synergy among R&D, processing and marketing agencies in public as well as private sectors, at the National, Regional, State and sub-State levels;
- (vi) Where appropriate and feasible, promote National Dairy Development Board (NDDB) model of cooperatives to ensure support and adequate returns to farmers;
- (vii) Promote capacity-building and Human Resource Development at all levels.

4. MISSION STRUCTURE

District Level

At the District level, the District Mission Committee (DMC) will be constituted by the State Government. It will be responsible for project formulation and monitoring. The DMC may be headed by the Chief Executive Officer (CEO) of Zila Parishad/CEO of District Rural Development Agency (DRDA) having as its members, representatives from concerned line Departments, growers' associations, Marketing Boards, Self Help Groups and other Non-Governmental organizations. The District Planning Committee and Panchayati Raj Institutions (PRI) will be integrated/involved in implementing the programme depending on their expertise and available infrastructure. The District Horticulture Officer will be the Member Secretary.

NORMS OF ASSISTANCE FOR PROGRAMERS UNDER NATIONAL HORTICULTURE MISSION

S. No.	Programme	Estimated Cost	Proposed assistance
A.	RESEARCH		Central Government Institutes under ICAR, CSIR and others will take up research & development works out of their existing budget for which a Research Advisory Committee will identify the thrust areas of research.
B.	PLANTATION INFRASTRUCTURE & DEVELOPMENT		
1	Production of planting material		
	a) Public sector		
	i. Model nursery (4 ha)	Rs. 18.00 lakh/unit	Maximum of Rs. 18.00 lakh per nursery
	ii. Small Nursery (1 ha.)	Rs. 3.00 lakh per unit	Maximum of Rs. 3.00 lakh per nursery
	iii. Rehabilitation of existing tissue culture units	Rs. 8.00 lakh/unit	Maximum of Rs. 8.00 lakhs per unit
	iv. Rehabilitation of TC labs and related units in SAUs	Rs. 8.00 lakh/unit	Maximum of Rs. 8.00 lakh per unit
	b) Private sector		
	i. Model nursery (4 ha)	Rs. 18.00 lakh/unit	Credit linked back-ended subsidy @ 50% of the cost of project limited to Rs. 9.00 lakh per nursery for individual entrepreneurs. However, the release of back ended subsidy need not be credit linked for the institutions like cooperatives, registered societies / trusts and incorporated companies in the public and private sector provided these companies can meet the remaining 50% of the project cost out of their own resources.
	ii. Nursery (1 ha.)	Rs. 3.00 lakh per unit	Credit linked back-ended subsidy @ 50% of the cost of project limited to Rs. 1.5 lakh per unit for individual entrepreneurs. However, the release of back ended subsidy need not be credit linked for the institutions like cooperatives, registered societies / trusts and incorporated companies in the public and private sector provided these companies can meet the remaining 50% of the project cost

			out of their own resources.
	iii. Rehabilitation of existing tissue culture units	Rs. 8.00 lakh/unit	Credit linked back-ended subsidy @ 50% of the cost of project limited to Rs.4.00 lakh per unit for individual entrepreneurs. However, the release of back ended subsidy need not be credit linked for the institutions like cooperatives, registered societies / trusts and incorporated companies in the public and private sector provided these companies can meet the remaining 50% of the project cost out of their own resources.
iv. Vegetable seed production			
	a. Public Sector (ICAR, SAUs & State Depts.)	Rs. 50,000 per ha	100% of the total cost
	b. Private sector	Rs. 50,000 per ha	Credit linked back-ended subsidy @ 50% of the total cost subject to maximum of Rs.25,000 per ha. limited to 5 ha for individual entrepreneurs. However, the release of back ended subsidy need not be credit linked for the institutions like cooperatives, registered societies / trusts and incorporated companies in the public and private sector provided these companies can meet the remaining 50% of the project cost out of their own resources.
v. Seed Infrastructure			
	a. Public Sector	Project based	100% of cost
	b. Private sector	Project based	Credit linked back-ended subsidy @ 25% of the cost of project for individual entrepreneurs. However, the release of back ended subsidy need not be credit linked for the institutions like cooperatives, registered societies / trusts and incorporated companies in the public and private sector provided these companies can meet the remaining 75% of the project cost out of their own resources.
2	Establishment of new gardens (ha.)		
	i. Fruits (Perennials)	Rs. 30,000/ha	75% of cost subject to a maximum of Rs. 22.500/ha

			limited to 4 ha per beneficiary in three installments of 50:20:30 subject to survival rate of 75% in 2 nd year and 90% in 3 rd year.
	ii. Fruits (Non-Perennials)	Rs. 30,000/ha	50% of cost subject to a maximum of Rs. 15,000 per ha limited to 4 ha per beneficiary in three installments of 50: 20:30 subject to survival rate of 75% in 2 nd year and 90% in 3 rd year
	iii. Flowers		
	(A) Cut Flowers	Rs. 70,000/ha	
	a. Small & Marginal Farmers		50% of the cost @ Rs. 35,000/ha limited to 2 ha. per beneficiary
	b. Other farmers		33% of the cost @Rs. 23,100/ha limited to 4 ha per beneficiary
	(B) Bulbous Flowers	Rs. 90,000/ha	
	a. Small & Marginal Farmers		50% of the cost @ Rs. 45,000/ha limited to 2 ha. per beneficiary
	b. Other farmers		33% of the cost @Rs. 29,700/ha limited to 4 ha per beneficiary
	(c) Loose Flowers	Rs. 24,000/ha	
	a. Small & Marginal Farmers		50% of the cost @ Rs. 12,000/ha limited to 2 ha. per beneficiary
	b. Other farmers		33% of the cost @Rs. 7,920/ha limited to 4 ha per beneficiary
	iv. Spices, Aromatic Plants	Rs.15,000/ha (average)	75% of cost subject to a maximum of Rs. 11,250/ha limited to 4 ha per beneficiary
	v. Plantation crops including coastal horticulture	Rs.15,000/ha (average)	75% of cost subject to Rs. 11,250/ha limited to 4 ha per beneficiary in three installments of 50: 20:30 subject to survival rate of 75% in 2 nd year and 90% in 3 rd year
3	Rejuvenation/ replacement of senile plantation	Rs. 30,000/ha (average)	50% of the cost @ Rs. 15,000/ha limited to 2 ha per beneficiary
4	Creation of water resources sources		
	Community tanks on farm ponds on farm water reservoirs -(No.) with use of plastics.	Rs. 10.00 lakh/unit	Upto Rs.10 lakh /unit of 10 Ha.
5	Protected cultivation		
	1. Green House (Hitech)		

	a. Small & Marginal Farmers	Rs. 650/ Sq. m. for Hi-tech Rs. 250/ Sq. m. for normal	50% of the cost subject to a maximum of Rs.325/Sq.m for hi-tech and Rs. 125/Sq.m for normal GH, limited to 1000 Sq.m./beneficiary
	b. Other farmers	-do-	33% of cost subject to a maximum of Rs.217/Sq.m for hi-tech and Rs. 83/Sq.m for normal GH limited to 1000 Sq.m./beneficiary
	2. Mulching	Rs. 14,000/ha	50% of the total cost subject to a maximum of Rs. 7000/ha limited to 2 ha per beneficiary
	3. Shade Net	Rs. 14 / Sq. m.	50% of cost subject to a maximum of Rs. 3500/ 500 Sq.m limited to 2 ha per beneficiary
	4. Plastic Tunnel	Rs. 10 / Sq. m.	50% of cost subject to a maximum of Rs.5000/1000 Sq.m limited to 5 ha per beneficiary
6.	Precision Farming development and extension through PFDCs	Project based	100 % of cost to PFDCs.
7.	Promotion of INM/IPM		
	i. Sanitary and Phytosanitary (Public Sector)	Project based	project based
	ii. Promotion of IPM	Rs. 2000/ha	50 % of cost subject to a maximum of Rs 1000/ha limited to 4 ha./ beneficiary
	iii. Disease fore casting units (PSUs)	Rs. 4 lakhs/unit	Upto Rs. 4 lakh/unit
	iv. Bio-control labs	Rs. 80 lakhs/unit	
	a) Public Sector		100% Upto Rs. 80 lakh/unit
	b) Private Sector		Credit linked back-ended subsidy @ 50% of the cost of project limited to Rs. 40.00 lakh per unit for individual entrepreneurs. However, the release of back ended subsidy need not be credit linked for the institutions like cooperatives, registered societies / trusts and incorporated companies in the public and private sector provided these companies can meet the remaining 50% of the project cost out of their own resources.
	v. Plant health clinics	Rs. 20 lakhs/unit	
	a) Public Sector		100% Upto Rs. 20 lakh/unit
	b) Private Sector		Credit linked back-ended subsidy @ 50% of the cost of project limited to Rs. 10.00 lakh per unit for individual entrepreneurs.

			However, the release of back ended subsidy need not be credit linked for the institutions like cooperatives, registered societies / trusts and incorporated companies in the public and private sector provided these companies can meet the remaining 50% of the project cost out of their own resources.
	vi. Leaf/Tissue analysis labs.	Rs. 20 lakhs/unit	
	a) Public Sector		100% Upto Rs. 20 lakh/unit
	b) Private Sector		Credit linked back-ended subsidy @ 50% of the cost of project limited to Rs. 10.00 lakh per unit for individual entrepreneurs. However, the release of back ended subsidy need not be credit linked for the institutions like cooperatives, registered societies / trusts and incorporated companies in the public and private sector provided these companies can meet the remaining 50% of the project cost out of their own resources.
8.	Organic Farming		
	1. Adoption of organic farming	Rs. 20,000/ha	50% of cost subject to a maximum of Rs.10,000/ha limited to 4 ha. per beneficiary.
	2. Vermi-compost units	Rs. 60,000/unit	50% of cost subject to a maximum of Rs.30000/unit
	3. Certification	Project based	Rs.5 lakhs for a cluster of 50 hectares.
9	HRD	Project based	100% assistance
10	Pollination support through beekeeping	Rs. 1600 per colony with hive	50% of the cost subject to maximum of Rs.800/ colony with beehive
11	Technology dissemination through demonstration/Front line demonstration	Project based	75 % of cost in farmers field and 100% of cost in the farm belonging to Public Sector, SAUs etc.
C.	POST HARVEST MANAGEMENT		
	1. Pack houses	Rs. 2.50 lakh/unit	Credit linked back-ended subsidy @ 25% of the capital cost of project in general areas and 33.33% in case of Hilly & Tribal areas for individual entrepreneurs. However, the release of back ended subsidy need not be credit linked for the

			State Government agencies including institutions like cooperatives/ registered societies/trust and incorporated companies in the public/private sector provided these institutions /agencies can meet the remaining cost of the project out of their own resources.
	2. Cold storage units	Rs. 2.00 crore/unit	-do-
	3. C.A Storage		-do-
	4. Ref. vans / containers	Rs. 24.00 lakh/unit	-do-
	5. Mobile Processing Units	Rs. 24.00 lakh/unit	-do-
	6. Market Intelligence	Project based	Project based
	7. Buy back intervention	Project based	Project based
	8.Establishment of Marketing Infrastructure for horticultural produce in Govt./Private/Cooperative sector		
	a) Wholesale markets	upto Rs. 100.00 crores	Credit linked back-ended subsidy @ 25% of the capital cost of project in general areas and 33.33% in case of Hilly & Tribal areas for individual entrepreneurs. However, the release of back ended subsidy need not be credit linked for the State Government agencies including institutions like cooperatives/ registered societies/trust and incorporated companies in the public/private sector provided these institutions /agencies can meet the remaining cost of the project out of their own resources.
	b) Rural Markets/Apni Mandis/ Direct Markets	Rs. 15.00 lakh	-do-
	c) Functional Infrastructure for collection, grading etc.	Rs. 15.00 lakh	-do-
	d) Extension, quality awareness and market led extension activities for fresh processed products	Project based	100% assistance
D.	PROCESSING & VALUE ADDITION		The MFPI will sanction projects on food processing out of their budget provision.

E.	MISSION MANAGEMENT	
	(i) State & Districts Mission Structure including additional manpower & project preparation cost	5% of total annual expenditure on the basis of appraised needs
	(ii) Support to cooperatives for infrastructural requirement	Project based
	(iii) Institutional Strengthening, hire/purchase of vehicles, hardware/software	Project based
	(iv) Technical Support Group (TSG)	Project based subject to a ceiling of Rs. 5 crore per annum
	(v) Collaboration with International agencies like FAO, World Bank etc.	

