

**COST NORMS AND PATTERN OF ASSISTANCE UNDER NATIONAL  
HORTICULTURE MISSION DURING XI PLAN**

<b>S. No.</b>	<b>Item</b>	<b>Maximum permissible cost</b>	<b>Pattern of Assistance#</b>
<b>A.</b>	<b>RESEARCH</b>		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.
<b>B.</b>	<b>PLANTATION INFRASTRUCTURE DEVELOPMENT</b>		
<b>1.</b>	<b>Production of planting material</b>		
	i) Model/Large nursery (2 to 4 ha)	Rs. 6.25 lakh/one ha unit	100% to public sector limited to Rs 25.00lakh/unit and in case of private sector, credit linked back-ended subsidy @ 50% of cost, subject to a maximum of Rs. 12.50 lakh/unit, for a maximum of 4 ha. as project based activity. Each nursery will produce a minimum of 50,000 numbers per hectare of mandated perennial vegetatively propagated fruit plants/tree spices/plantation crops every year.
	ii) Small Nursery (1 ha)	Rs. 6.25 lakh	100% to public sector and in case of private sector, credit linked back-ended subsidy @ 50% of cost, subject to a maximum of Rs. 3.125 lakh/unit, as project based activity. Each nursery will produce a minimum of 50,000 numbers of mandated perennial vegetatively propagated fruit plants/tree spices/plantation crops every year.
	iii) Rehabilitation of existing Tissue Culture (TC) units	Rs. 15 lakh / unit, as project based activity	100% of cost to public sector and in case of private sector, credit linked back ended subsidy @ 50% of cost.
	iv) Setting up of new TC Units.	Rs. 100 lakh/unit	100% of total cost to public sector and in case of private sector, credit linked back ended subsidy @ 50% of cost. Each TC unit will produce a minimum of 15 lakh plants of mandated crops for which protocols are available for commercial use.
	v) Seed production and distribution for Vegetables.	Rs.50,000 per ha	100% of total cost to Public sector and for Private sector, @ 50% of the total cost as credit linked back ended subsidy limited to 5 ha per beneficiary. Indenting organizations for breeder seed required for producing foundation seed will be eligible for 25% assistance on the cost of procurement of breeder seed from ICAR/SAU.

	vi) Import of planting material for trial & demonstration purpose (By State Government, Grower Associations recognized by NHB/MoA, PSU)	Rs. 10 lakh/project	100% of cost for State Govt. PSU, 50% to Grower Associations.
	vii) Seed infrastructure (for handling, processing, packing, storage etc. of seeds of horticulture crops)	Rs. 200 lakh/project	100% of cost to public sector and in case of private sector, credit linked back ended subsidy @ 50% of cost of project.
<b>2.</b>	<b>Establishment of new gardens (Area expansion)</b>		
<b>I.</b>	<b>Fruits</b>		
	<b>(a) Cost intensive crops (For a maximum area of 4 ha per beneficiary)</b>		
	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 2 <sup>nd</sup> year and 90% in 3 <sup>rd</sup> year). Cost of individual crop to be claimed based on the unit cost as detailed at <b>Annexure-IV</b> .
	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). Cost of individual crop to be claimed based on the unit cost as detailed at <b>Annexure-IV</b> .
	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). Cost of individual crop to be claimed based on the unit cost as detailed at <b>Annexure-IV</b> .
	(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 2 <sup>nd</sup> year and 90% in 3 <sup>rd</sup> 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 2 <sup>nd</sup> year & 90% in 3 <sup>rd</sup> year for perennial crops and for non perennial crops in 2 installments of 75:25 subject to survival rate of 90% in second year). Cost of individual

			crop to be claimed based on the unit cost as detailed at <b>Annexure-IV</b> .
<b>II.</b>	<b>Mushrooms</b>		
	(a) Integrated mushroom unit for spawn, compost production and training	Rs.50 lakh/unit	100% of the cost to public sector and 50% of cost for private sector, for meeting the expenditure on infrastructure, as credit linked back ended subsidy.
	(b) Spawn making unit	Rs. 15 lakh/unit	100% of the cost to public sector and in case of private sector, 50% of cost, as credit linked back ended subsidy.
	(c) Compost making unit	Rs. 20 lakh/unit	100% of the cost to public sector and in case of private sector, 50% of cost, as credit linked back ended subsidy.
<b>III.</b>	<b>Flowers (For a maximum of 2 ha per beneficiary)</b>		
	(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 of Rs.12,000/- per ha for S&M farmer and Rs.7,920/- per ha for other category farmers.
<b>IV.</b>	<b>Spices ( For a maximum area of 4 ha per beneficiary)</b>		
	(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).
<b>V.</b>	<b>Aromatic Plants (For a maximum area of 4 ha per beneficiary)</b>		
	(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.
<b>VI.</b>	<b>Plantation crops (For a maximum area of 4 ha per beneficiary)</b>		
	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.
<b>3.</b>	<b>Rejuvenation/ replacement of senile plantation.</b>	Rs.30,000/ ha (average)	50% of the total cost subject to a maximum of Rs. 15,000/ha limited to 2 ha per beneficiary. Actual cost to be claimed based on the nature and requirement of the crop to be rejuvenated.
<b>4.</b>	<b>Creation of Water resources</b>		This will be implemented in conjunction with NREGS.
	(a) Community tanks/on farm ponds/on farm water reservoirs with use of plastic/RCC lining.	Rs. 15 lakh /unit in plain areas, Rs.17.25 lakh/unit in hilly areas.	100% of cost for 10 ha of command area, with pond size of 100m x 100m x 3 m or any other smaller size on pro rata basis depending upon the command area, owned & managed by a community/farmer group. Cost for non-lined ponds/tanks only in black cotton soils will be 33% less. Assistance under NHM will be restricted to the cost of plastic / RCC lining. However, for non MNREGS beneficiaries, assistance on entire cost including construction of pond/tank as well as lining can be availed under NHM.
	(b) Water harvesting system for individuals- for storage of water in 20mx20mx3m ponds /dug wells @ Rs.100/- cum	Rs. 1.20 lakh /unit in plain areas, Rs.1.38 lakh/unit in hilly areas for maximum command area at 2 ha.	50% of cost including lining. For smaller size of the ponds/dug wells, cost will be admissible on pro rata basis. Maintenance to be ensured by the beneficiary.
<b>5.</b>	<b>Protected cultivation</b>		
	<b>1. Green House structure</b>		
	(a) Fan & 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 2 units (each unit not to exceed 500 Sq.m per beneficiary.
	(iii) Bamboo structure	Rs. 375/ Sq.m	50% of the cost limited to 5 units (each unit not to exceed 200 Sq.m) per beneficiary.
	<b>2. Plastic Mulching</b>		50% of the total cost limited to 2 ha per beneficiary.
	<b>3. Shade Net House</b>		
	(i) Tubular structure	Rs. 600/ Sq.m	50% of cost limited to 1000 Sq.m per beneficiary.
	(ii) Wooden structure	Rs. 410/ Sq.m	50% of cost limited to 5 units (each unit not to exceed 200 Sq.m ) per beneficiary.
	(iii) Bamboo structure	Rs. 300/ Sq.m	50% of cost limited to 5 units (each unit not to exceed 200 sqmt) per beneficiary.

	4. Plastic Tunnels	Rs.30/ Sq.m	50% of cost limited 1000 sqmt per beneficiary.
	5. Anti Bird/Anti Hail Nets	Rs.20/ per Sq.m	50% of cost limited to 5000 Sq.m per beneficiary.
	6. Cost of planting material of high value vegetables grown in poly house	Rs.105/ Sq.m	50% of cost limited to 500 Sq.m per beneficiary.
	7. Cost of planting material of flowers for poly house	Rs.500/ Sq.m	50% of cost limited to 500 Sq.m per beneficiary
<b>6.</b>	<b>Precision Farming development and extension through Precision Farming Development Centers (PFDCs)</b>	Project based	100% of cost to PFDCs
<b>7.</b>	<b>Promotion of Integrated Nutrient Management(INM)/ Integrated Pest Management (IPM)</b>		
	(i) Sanitary and Phytosanitary infrastructure (Public Sector)	Rs.500 lakh/unit	100% of cost
	(ii) Promotion of IPM/INM	Rs. 2000/ha	50% of cost subject to a maximum of Rs 1000/ha limited to 4.00 ha/ beneficiary.
	(iii) Disease forecasting unit (Public Sector)	Rs. 4 lakh/ unit	Maximum up to Rs. 4 lakh/unit
	(iv) Bio control lab	Rs.80 lakhs/ unit	Maximum up to Rs. 80 lakh/unit for Public Sector and Rs.40.00 lakh as credit linked back ended subsidy to Private Sector.
	(v) Plant Health Clinic	Rs. 20 lakhs/ unit	Maximum up to Rs. 20 lakh/unit for Public Sector and Rs.10.00 lakh as credit linked back ended subsidy to Private Sector.
	(vi) Leaf /Tissue analysis lab	Rs. 20 lakh/ unit	Maximum up to Rs. 20 lakh/unit for Public Sector and Rs.10.00 lakh as credit linked back ended subsidy to Private Sector.
<b>8.</b>	<b>Organic Farming</b>		
	(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 an assistance of Rs.4000/- in first year and Rs.3000/- each in second & 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 Units /organic input production unit	Rs. 60,000/ unit for permanent structure and Rs. 10,000 /unit for HDPE Vermibed	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') to be administered on pro-rata basis.
9.	<b>Certification for Good Agricultural Practices (GAP), Including infrastructure</b>	Rs. 10,000/ ha	50% of the cost.
<b>10.</b>	<b>Pollination support through beekeeping</b>		
	(a) Production of nucleus stock (Public sector)	Rs. 10 lakh	100% of the cost.
	(b) Production of bee colonies by bee breeder	Rs.6 lakh	50% of cost for producing min. of 2000 colonies / year
	(c) Honey bee colony	Rs. 1400/ colony of 4 frames	50% of cost limited to 50 colonies / beneficiary.
	(d) Hives	Rs. 1600/ hive	50% of cost limited to 50 colonies / beneficiary.
	(e) Equipment including honey extractor (4 frame), food grade container (30 kg), net, etc.	Rs. 14,000/ set	50% of the cost limited to one set per beneficiary.
<b>11.</b>	<b>Horticulture Mechanization</b>		
	(a) Power operated machines/tools including Power Saw and Plant Protection equipments etc.	Rs.35,000/- per set	50% of cost limited to one set per beneficiary.
	(b) Power Machines (upto 20 BHP) with rotavator / equipment	Rs.1.20 lakh per set	50% of cost limited to one set per beneficiary.
	(c) Power machines (20 HP & above including accessories /equipments	Rs. 3/- lakh per set	50% of cost limited to one set per beneficiary.
	(d) Import of new machines & tools for horticulture for demonstration purpose (Public sector)	Rs. 50/- lakh per machine	100% of the total cost.
12.	<b>Technology Dissemination through demonstration/ Front Line Demonstration (FLD)</b>	Rs. 25 lakh	75 % of cost in farmers field and 100% of cost in farms belonging to Public Sector, SAUs etc.
<b>13.</b>	<b>Human Resource Development (HRD)</b>		
	(a) HRD for Supervisors & Entrepreneurs	Rs. 20 lakh / training	100% of the cost in first year. In subsequent years, cost of infrastructure not to be claimed.

	(b) HRD for Gardeners	Rs. 15 lakh / training	100% of the cost in first year. In subsequent years, cost of infrastructure not to be claimed.
	(c) Training of farmers		
	(i) Within the District	Rs.400/day per farmer excluding transport	100% of the cost.
	(ii) Within the State	Rs. 750/day per farmer excluding transport	100% of the cost.
	(iii) Outside the State	Rs. 1000/ day per farmer excluding transport	100% of the cost.
<b>(d) Exposure visit of farmers</b>			
	(i) Within the District	Rs.250/day per farmer excluding transport	100% of the cost.
	(ii) Within the State	Rs. 300/day per farmer excluding transport	100% of the cost.
	(iii) Outside the State	Rs. 600/day per farmer excluding transport	100% of the cost.
	(iv) Outside India	Rs. 3 lakh / participant	Project Based. 100% of air/rail travel cost.
	(e) Training / study tour of technical staff/ field functionaries		
	(i) Within the State	Rs.200/day per participant plus TA/DA, as admissible	100% of the cost.
	(ii) Study tour to progressive States/ units (group of minimum 5 participants)	Rs.650.00/day per participant plus TA/DA, as admissible	100% of the cost.
	(iii) Outside India	Rs. 5 lakh / participant	100% of the cost on actual basis.
<b>C. INTEGRATED POST HARVEST MANAGEMENT</b>			
	1. Pack house/ On farm collection & storage unit	Rs. 3 Lakh/ per unit with size of 9Mx6M	50% of the capital cost.
	2. Pre-cooling unit	Rs.15 lakh for 6 MT capacity	Credit linked back-ended subsidy @ 40% of the cost of project in general areas and 55% in case Hilly & Scheduled areas for individual entrepreneurs.

	3. Mobile pre cooling unit	Rs. 24 lakh/unit for 5 MT capacity	- do-
	4. Cold storage units (Construction/expansion/Modernization)	Rs. 6000/MT for 5000 MT capacity	Credit linked back-ended subsidy @ 40% of the capital cost of project in general areas and 55% in case of Hilly & Scheduled areas in respect of only those units which adopt new technologies which are energy efficient with provision of insulation, humidity control and fin coil cooling system with provision of multi chambers. Technical standards, parameters and protocol issued by the Department to be adopted.
	5. C.A/M.A. Storage units	Rs. 32,000/MT for 5000 MT capacity	- do-
	6. Refer vans/ containers	Rs. 24 lakh/unit for 6 MT capacity	-do-
	7.Primary/ Mobile / Minimal processing unit	Rs. 24 lakh/unit.	-do-
	8. Ripening chamber	Rs. 6000/MT for 5000 MT capacity	-do-
	9. Evaporative / low energy cool chamber (8 MT)	Rs.4 lakh /unit	50% of the total cost.
	10. Preservation unit (low cost)	Rs.2 lakh /unit for new unit and Rs.1 lakh /unit for up-gradation	50% of the total cost.
	11. Low cost onion storage structure (25 MT)	Rs.1 lakh per unit	50% of the total cost.
	12. Pusa Zero energy cool chamber (100 kg)	Rs. 4000 per unit	50% of the total cost.
<b>D.</b>	<b>ESTABLISHMENT OF MARKETING INFRASTRUCTURE FOR HORTICULTURAL PRODUCE</b>		
	1. Terminal markets	Rs.150 crore/project	25% to 40% (limited to Rs.50.00 crore) as Public-Private Partnership mode through competitive bidding, in accordance with operational guidelines issued separately.
	2. Wholesale markets	Rs.100 crore/project	Credit linked back-ended subsidy @ 25% of the capital cost of project in general areas and 33.33% in case of Hilly & Scheduled areas for individual entrepreneurs.
	3. Rural Markets/ Apni mandies/Direct markets	Rs. 20 lakh/ unit	Credit linked back-ended subsidy @ 40% of the capital cost of project in general areas and 55% in case of Hilly & Scheduled areas for individual entrepreneurs.
	4. Retail Markets/ outlets	Rs. 10 lakh /unit	Credit linked back-ended subsidy @ 40%

	(environmentally controlled)		of the capital cost of project in general areas and 55% in case of Hilly & Scheduled areas for individual entrepreneurs.
	5. Static/Mobile Vending Cart/ platform with cool chamber.	Rs. 30,000/ unit	50% of total cost.
	6. Functional Infrastructure: for collection, sorting/grading, packing units etc	Rs.15 lakh/unit	Credit linked back-ended subsidy @ 40% of the capital cost of project in general areas and 55 % in case of Hilly & Scheduled areas for individual entrepreneurs.
	7. Quality control/ analysis lab	Rs. 200 lakh/unit	100% of the total cost to public sector and 50% of cost to private sector as credit linked back ended subsidy.
	8. Market extension, quality awareness & market led extension activities for fresh products	Rs. 3 lakh per event.	100% assistance to State Government /SHM/Public Sector Agencies.
<b>E.</b>	<b>Special Interventions</b>		
	Tackling of emergent /unforeseen requirements of SHMs	Rs. 10 lakh per project.	50% of cost based on project proposal.
<b>F.</b>	<b>Mission Management</b>		
	<b>I. State Level</b>		
	1. State & Districts Mission Offices and implementing agencies for administrative expenses, field consultants, project, preparation, computerization, contingency etc.	5% of total annual expenditure on the basis of appraised needs to State Horticulture Mission (SHM) / implementing Agencies	100%assistance.
	2.Institutional Strengthening - hiring of vehicles, purchase of hardware/software etc	Project based	100% assistance.
	3.Seminars, conferences, workshops, exhibitions, Kisan Mela, horticulture shows, honey festivals etc.		
	a) State level	Rs. 3 lakh /event	100% assistance subject to a maximum of Rs.3.00 lakh per event of two days.
	b) District level	Rs. 2 lakh /event	100% assistance subject to a maximum of Rs.2.00 lakh per event of two days.
	4.Technical Support Group (TSG) at State Level for hiring	Project based, subject to a ceiling of Rs. 50	100% of cost.

	experts/staff, studies, monitoring & evaluation, mass media, publicity, video conference etc.	lakh per annum/ State	
	<b>II. National Level</b>		
	1. Technical Support Group (TSG) at National Level for hiring experts/consultants, studies, Seminar/Conference/ Workshops, training, contingencies, monitoring & evaluation, mass media, publicity, video conference etc.	Rs. 5 crore per annum	100% of cost.
	2. Technical Collaboration with International agencies like FAO, World Bank, ADB, Bilateral cooperation, International exposure visits/ training of officials etc.	Project based. On actual cost basis.	100% of cost.

**#Note: The release of back ended subsidy need not be credit linked for the institutions like Public Sector Units, Panchayats, Cooperatives, Registered Societies / Trusts and Public limited Companies , provided they can meet the remaining share of the project cost, out of their own resources.**

**COST OF AREA EXPANSION OF SELECTED FRUIT CROPS PER HECTARE****(In Rupees)**

<b>Crop</b>	<b>Plant spacing (m)</b>	<b>No. of Plants/ha</b>	<b>Cost of planting material</b>	<b>Cost of inputs</b>	<b>Total</b>
Apple	06x06	278	5560	30,000	35,560
Aonla	06x06	278	8340	15,000	23,340
Aonla	03x03	1110	33300	25,000	58,300
Banana (Sucker)	02x02	2500	20000	25,000	45,000
Banana (TC)	1.8x1.8	3086	43204	40,000	83,204
Ber	06x06	278	6950	12,000	18,950
Citrus					
a)Mandarine	06x06	278	8340	27,000	35,340
b) Sweet Orange	06x06	278	8340	25,000	33,340
Grapes	04x04	625	6250	85,000	91,250
Grapes	03x03	1110	11100	90,000	101,100
Guava	06x06	278	6950	15,000	21,950
Guava	03x03	1111	27775	35000	62,775
Litchi	10x10	100	3500	20,000	23,500
Litchi	7.5x7.5	178	6230	23,000	29,230
Mango	10x10	100	4000	18,000	22,000
Mango	2.5x2.5	1600	64000	40,000	104,000
Pineapple (Suck)	0.6x0.3	45000	45000	20,000	65,000
Pineapple (TC)	0.6x0.3	45000	135000	30,000	165,000
Pomegranate	05x05	400	12000	30,000	42,000
Pomegranate	05x03	667	20010	35,000	55,010
Sapota	05x05	400	12000	25,000	37,000
Strawberry	0.5x1	20000	60000	90,000	150,000
Papaya	1.8x1.8	3086	37032	17750	54,782