

Annexure-V

COST NORMS AND PATTERN OF ASSISTANCE UNDER MISSION FOR INTEGRATED DEVELOPMENT OF HORTICULTURE (MIDH) DURING XII PLAN FOR NHM AND HMNEH SUB SCHEMES

S. No.	Item	Cost Norms*	Pattern of Assistance#
A.	RESEARCH	Rs. 100.00 lakh/Project	Central Government Institutes under ICAR, CSIR, SAUs, National level Govt. agencies and others location specific Institutes will take up need based applied research & development works in the areas of (i) Seed & Planting material including import of planting material (ii) Technology standardization and (iii) Technology acquisition and (iv) imparting training and FLD, on project mode, with 100% assistance.
B.	PLANTATION INFRASTRUCTURE DEVELOPMENT		
B. 1	Production of planting material		
	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.
B 2.	Establishment of new gardens (Area expansion - for a maximum area of 4 ha per beneficiary)		
	I. Fruits		
	(a) Cost intensive crops		
	i) Fruit crops like Grape, Kiwi, Passion fruit etc.		
	a) Integrated package with drip irrigation and trellis.	Rs. 4.00 lakh/ha.	Maximum of Rs. 1.60 lakh/- per ha. (40% of cost) for meeting the expenditure on planting material and cost of material for drip irrigation, trellies and INM/IPM, in 3 installments of 60:20:20 subject to survival rate of 75% in 2nd year and 90% in 3rd year).
	b) Without integration	Rs. 1.25 lakh/ha	Maximum of Rs. 0.50 lakh/ha (40% of cost) for meeting the expenditure on planting material and cost of INM/IPM in three installments of 60:20:20 subject to survival rate of 75% in 2nd year and 90% in 3rd year. For (a) and (b) above, in the case of NE and Himalayan States, TSP areas, Andaman & Nicobar and Lakshadweep Islands, assistance will be @ 50% of cost.
	ii) Strawberry		
	a) Integrated package with drip irrigation & mulching	Rs. 2.80 lakh/ha	Maximum of Rs. 1.12 lakh/ per ha. (40% of cost) for meeting the expenditure on planting material and cost of material for drip irrigation, mulching and INM/IPM, in one installment.
	b) Without integration	Rs. 1.25 lakh/ha	Maximum of Rs. 0.50 lakh/ha (40% of cost) for meeting the expenditure on planting material and cost of INM/IPM one installment. For (a) and (b) above, in the case of NE and Himalayan States, TSP areas, Andaman & Nicobar and Lakshadweep Islands, assistance will be @ 50% of cost.
	iii) Banana (sucker)		
	a) Integrated package with drip irrigation.	Rs. 2.00 lakh/ha	Maximum of Rs. 0.80 lakh/ha (40% of the cost) for meeting expenditure on planting material, drip irrigation and cost of material for INM/IPM, in 2 installments (75:25).

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	b) Without integration	Rs.87,500/ha	Maximum of Rs. 0.35 lakh/ha (40% of cost) for meeting the expenditure on planting material and cost of INM/IPM in 2 installments (75:25). For (a) and (b) above, in the case of NE and Himalayan States, TSP areas, Andaman & Nicobar and Lakshadweep Islands, assistance will be @ 50% of cost in 2 installments.
	iv) Pineapple (sucker)		
	a) Integrated package with drip irrigation.	Rs. 3.00 lakh/ha	Maximum of Rs. 1.20 lakh/ha (40% of the cost) for meeting expenditure on planting material, drip irrigation and cost of material for INM/IPM, in 2 installments.
	b) Without integration	Rs.87,500/ha	Maximum of Rs. 0.35 lakh/ha (40% of cost) for meeting the expenditure on planting material and cost of INM/IPM in 2 installments (75:25). For (a) and (b) above, in the case of NE and Himalayan States, TSP areas, Andaman & Nicobar and Lakshadweep Islands, assistance will be @ 50% of cost in 2 installments (75:25).
	v) Banana (TC)		
	a) Integrated package with drip irrigation.	Rs. 3.00 lakh/ha	Maximum of Rs. 1.20 lakh/ha (40 % of cost) for meeting the expenditure on planting material and cost of material for drip system, INM/IPM etc., in 2 installments (75:25).
	b) Without integration	Rs. 1.25 lakh/ha.	Max. of Rs. 0.50 lakh per ha, (40% of cost) for meeting the expenditure on planting material and cost of INM/IPM in 2 installments (75:25). For (a) and (b) above, in the case of NE and Himalayan States, TSP areas, Andaman & Nicobar and Lakshadweep Islands, assistance will be @ 50% of cost in 2 installments (75:25).
	vi) Pineapple (TC)		
	a) Integrated package with drip irrigation.	Rs. 5.50 lakh /ha.	Maximum of Rs. 2.20 lakh/ha (40 % of cost) for meeting the expenditure on planting material and cost of material for drip system, INM/IPM etc., in 2 installments (75:25).
	b) Without integration	Rs. 1.25 lakh/ha.	Max. of Rs. 0.50 lakh per ha, (40% of cost) for meeting the expenditure on planting material and cost of INM/IPM in 2 installments (75:25). For (a) and (b) above, in the case of NE and Himalayan States, TSP areas, Andaman & Nicobar and Lakshadweep Islands, assistance will be @ 50% of cost in 2 installments (75:25).
	vii) Papaya		
	a) Integrated package with drip irrigation.	Rs. 2.00 lakh/ha.	Maximum of Rs. 0.80 lakh/ha (40% of the cost) for meeting expenditure on planting material, drip irrigation and cost of material for INM/IPM, in 2 installments (75:25).
	b) Without integration	Rs. 60,000/ha	Maximum of Rs. 0.30 lakh/ha (50 % of cost) for meeting the expenditure on planting material and cost of INM/IPM in 2 installments (75:25). For (a) and (b) above, in the case of NE and Himalayan States, TSP areas, Andaman & Nicobar and Lakshadweep Islands, assistance will be @ 50% of cost in 2 installments (75:25).
	viii) Ultra high density (Meadow orchard)		

a) Integrated package with drip irrigation	Rs. 2.00 lakh/ha.	Maximum of Rs. 0.80 lakh/ ha. (40% of cost) for meeting the expenditure on planting material and cost of material for drip system, INM/IPM, and canopy management in 3 installments of 60:20:20 subject to survival rate of 75% in 2nd year and 90% in 3rd year).
b) Without integration	Rs. 1.25 lakh/ha	Maximum of Rs. 0.50 lakh/ha., (40% of cost) for meeting the expenditure on planting material and cost of INM/IPM in 3 installments. For (a) and (b) above, in the case of NE and Himalayan States, TSP areas, Andaman & Nicobar and Lakshadweep Islands, assistance will be @ 50% of cost in 3 installments.
ix) High density planting (mango, guava, litchi, pomegranate, apple, citrus etc).		
a) Integrated package with drip irrigation	Rs. 1.50 lakh /ha	Maximum of Rs. 0.60 lakh per ha. (40% of cost) for meeting the expenditure on planting material, cost of drip system, INM/IPM, canopy management etc., in 3 installments of 60:20:20 subject to survival rate of 75% in 2nd year and 90% in 3rd year).
b) Without Integration.	Rs. 1.00 lakh/ha.	Maximum of Rs. 0.40 lakh/ha (40% of the cost) for meeting the expenditure on planting material and cost of INM/IPM in 3 installments (60:20:20). For (a) and (b) above, in the case of NE and Himalayan States, TSP areas, Andaman & Nicobar and Lakshadweep Islands, assistance will be @ 50% of cost in 3 installments of 60:20:20 subject to survival rate of 75% in 2nd year and 90% in 3rd year)
(b) Fruit crops other than cost intensive		
i) Fruit crops other than cost intensive crops using normal spacing		
a) Integrated package with drip irrigation	Rs. 1.00 lakh/ha	Maximum of Rs. 0.40 lakh/ ha. (40% of cost) for meeting the expenditure on planting material, cost of drip system, INM/IPM, canopy management etc in 3 installments of 60:20:20 subject to survival rate of 75% in 2nd year & 90% in 3rd year for perennial crops and for non perennial crops in 2 installments of 75:25.
b) Without Integration	Rs. 60,000/ha	Maximum of Rs. 0.30 lakh/ha (50 % of cost) for meeting the expenditure on planting material and cost of INM/IPM in 3 installments, in all States. For (a) and (b) above, in the case of NE and Himalayan States, TSP areas, Andaman & Nicobar and Lakshadweep Islands, assistance will be @ 50% of cost in 3 installments.
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.
III. Mushrooms		
i) Production unit	20 lakh /unit	100% of the cost to public sector and 40% of cost for private sector, for meeting the expenditure on infrastructure, as credit linked back ended subsidy.
ii) Spawn making unit	Rs. 15 lakh/unit	100% of the cost to public sector and 40% of cost for private sector, for meeting the expenditure on infrastructure, as credit linked back ended subsidy.

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	iii) Compost making unit	Rs. 20.00 lakh/unit	100% of the cost to public sector and 40% of cost for private sector, for meeting the expenditure on infrastructure, as credit linked back ended subsidy.
IV. Flowers (For a maximum of 2 ha per beneficiary)			
	i) Cut flowers	Rs. 1.00 lakh/ha	40 % of the cost for S&M farmers and 25% of cost to other category farmers in general areas, 50% of cost in NE & HS, TSP areas, A&N and Lakshadweep Islands.
	ii) Bulbulous flowers	Rs. 1.50 lakh/ha	40 % of the cost for S&M farmers and 25% of cost to other category farmers in general areas, 50% of cost in NE & HS, TSP areas, A&N and Lakshadweep Islands.
	iii) Loose Flowers	Rs. 40,000/ha	40 % of the cost for S&M farmers and 25% of cost to other category farmers in general areas, 50% of cost in NE & HS, TSP areas, A&N and Lakshadweep Islands.
V. Spices (For a maximum area of 4 ha per beneficiary)			
	i) Seed spice and Rhizomatic spices	Rs.30,000/ha	Maximum of Rs. 12,000/- per ha. (40% of cost) for meeting the expenditure on planting material and cost of material for INM/ IPM etc).
	ii) Perennial spices (black pepper, cinnamon, clove and nutmeg)	Rs. 50,000/ha	Maximum of Rs. 20,000/- per ha (@40% of cost) for meeting the expenditure on planting material and cost of material for INM/ IPM etc. For (i) and (ii) above, in the case of NE and Himalayan States, TSP areas, Andaman and Lakshadweep Islands, assistance will be @ 50% of cost.
VI. Aromatic Plants (For a maximum area of 4 ha per beneficiary)			
	i) Cost intensive aromatic plants (patchouli, geranium, rosemary, etc)	Rs. 1,00,000/ha	40% of cost, subject to a maximum of Rs.40,000/- per ha, for meeting the expenditure on planting material and cost of material for INM/IPM etc.
	ii) Other aromatic plants	Rs. 40,000/ha	40% of cost, subject to a maximum of Rs.16,000/- per ha, for meeting the expenditure on planting material and cost of material for INM/IPM etc. For (i) and (ii) above, in the case of NE and Himalayan States, TSP areas, Andaman & Nicobar and Lakshadweep Islands, assistance will be @ 50% of cost.
VII. Plantation crops (For a maximum area of 4 ha per beneficiary)			
	i) Cashew and Cocoa		
	a) Integrated package with drip irrigation	Rs. 1.00 lakh/ha	Rs. 0.40 lakh per ha (40% of cost) for meeting the expenditure on planting material and cost of material for drip system, INM/IPM etc) in 3 installments of 60:20:20 subject to survival rate of 50% in second year and 90% in third year.
	b) Without integration	Rs. 50,000/ha	Rs.0.20 lakh per ha (40 % of cost) for meeting the expenditure on planting material and cost of material for INM/IPM 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. For (a) and (b) above, in the case of NE and Himalayan States, TSP areas, Andaman & Nicobar and Lakshadweep Islands assistance will be @ 50% of cost in 3 installments.
B.3.	Rejuvenation / replacement of senile plantation, canopy management	Rs. 40,000/ha	50% of the total cost subject to a maximum of Rs. 20,000/ha limited to two ha per beneficiary.

B.4.	Creation of Water resources		
	i) Community tanks/on farm ponds/on farm water reservoirs with use of plastic/RCC lining	Rs. 20.00 lakh in plain areas and Rs. 25 lakh/ unit for Hilly areas.	100% of cost to irrigate 10 ha of command area, with pond size of 100m x 100m x 03m or any other smaller size on prorata basis depending upon the command upon the command area either use of minimum 500 micron plastic films or RCC lining, owned & managed by a community/ farmer group. Cost for non-lined ponds/tanks (only in black cotton soils) will be 30% less. Assistance 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 the scheme.
	ii) Water harvesting system for individuals- for storage of water in 20mx20mx3m ponds/tube wells/dug wells @ Rs.125/- cum,	Rs. 1.50 lakh/unit in plain areas and Rs. 1.80 lakh/unit in hilly areas	50% of cost including 300 micron plastic/RCC lining. Cost for non-lined ponds/tanks (only in black cotton soils) will be 30% less. For smaller size of the ponds/dug wells, cost will be admissible on pro rata basis depending upon the command area. Maintenance will be ensured by the beneficiary
B. 5	Protected cultivation		
	1. Green House structure		
	(a) Fan & Pad system	Rs. 1650/Sq.m (up to area 500 Sq. m) Rs. 1465/Sq. m (>500 Sq.m up to 1008 Sqm) Rs. 1420/Sq. m (>1008 Sq. m up to 2080 Sq.m) 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 cost limited 4000 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 per beneficiary (each unit not to exceed 200 sq.m).
	iii) Bamboo structure	Rs. 450/Sq. m and Rs. 518/Sq. m for hilly areas	50% of the cost limited to 20 units per beneficiary (each unit should not exceed 200 sq.m).
	2. Shade Net House		

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	(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 per beneficiary (each unit not to exceed 200 sq.m) .
	(c) Bamboo structure	Rs.360/Sqm and Rs.414/Sqm for hilly areas	50% of cost limited to 20 units per beneficiary (each unit not to exceed 200 sq.m).
	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 the cost limited to 5 units per beneficiary (each unit not to exceed 800 Sq. m).
	5. Anti Bird/Anti Hail Nets	Rs.35/Sqm	50% of cost limited to 5000 sq.m. per beneficiary.
	6. Cost of planting material & cultivation of high value vegetables grown in poly house	Rs.140/Sq. m	50% of cost limited to 4000 sq.m. per beneficiary.
	7. Cost of planting material & cultivation of Orchid & Anthurium under poly house/ shade net house.	Rs. 700/Sqm	50% of cost limited to 4000 sq.m. per beneficiary.
	8. Cost of planting material & cultivation of Carnation & Gerbera under poly house/ shade net house.	Rs. 610/Sqm	50% of cost limited to 4000 sq.m. per beneficiary.
	9. Cost of planting material & cultivation of Rose and lilum under poly house/ shade net house	Rs. 426/Sqm	50% of cost limited to 4000 sq.m. per beneficiary
	10. 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.
B. 6	Precision Farming development and extension through Precision Farming Development Centers (PFDCs)	Project based	100% of cost to PFDCs
B. 7	Promotion of Integrated Nutrient Management(INM) Integrated Pest Management (IPM)		
	i) Promotion of IPM/INM	Rs. 4000/ha	30% of cost subject to a maximum of Rs 1200/ha limited to 4.00 ha/ beneficiary.
	ii) Disease forecasting unit (PSUs)	Rs. 6.00 lakh/unit	100 % of costs.
	iii) Bio control lab	Rs. 90.00 lakh/unit	100% to Public sector and 50% to private sector.
	iv) Plant Health Clinics	Rs. 25.00 lakhs/unit	100% to Public sector and 50% to private sector.
	v) Leaf /Tissue analysis labs	Rs. 25.00 lakh/unit	100% to Public sector and 50% to private sector.
B. 8	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 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)	Rs.100,000/ unit for permanent structure and Rs. 16,000/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') and IS 15907:2010 to be administered on pro-rata basis.
B. 9	Certification for Good Agricultural Practices (GAP), Including infrastructure	Rs. 10,000/ ha	50% of the cost for maximum of 4ha/beneficiary.
B.10	Centre of Excellence for Horticulture	Rs.1000.00 lakh/ centre	100% of cost to public sector. This can be established through bi-lateral co-operation also.
B.11	Pollination support through beekeeping		
	i) Production of nucleus stock (Public sector)	Rs. 20.00 lakh	100% of the cost.
	ii) Production of bee colonies by bee breeder	Rs. 10.00 lakh	40% of cost for producing min. of 2000 colonies / year
	iii) Honey bee colony	Rs.2000/colony of 8 frames	40% of cost limited to 50 colonies / beneficiary.
	iv) Bee Hives	Rs 2000/ per hive.	40% of cost limited to 50 colonies / beneficiary.
	v) Equipment including honey extractor (4 frame), food grade container (30 kg), net, including complete set of Bee keeping equipment.	Rs. 20,000/set	40% of the cost limited to one set per beneficiary.
B. 12	Horticulture Mechanization		
	i) Tractor (upto 20 PTO HP)	3.00 lakh/unit	25% of cost, subject to a maximum of Rs. 0.75 lakh/unit for general category farmers, and in the case if SC, ST, Small & Marginal famers, women farmers and beneficiaries in NE states, 35% of cost, subject to a maximum of Rs. 1.00 lakh per unit.
	ii) Power Tiller		
	a) Power tiller (below 8 BHP)	1.00 lakh per unit	Subject to a maximum of Rs.0.40 lakh/unit for general category farmers, and in the case if SC, ST, Small & Marginal farmers, women farmers and beneficiaries in NE states, subject of a maximum of Rs. 0.50 lakh/unit.
	b) Power tiller (8 BHP & above)	1.50 lakh per unit	Subject to a maximum of Rs.0.60 lakh/unit for general category farmers, and in the case if SC, ST, Small & Marginal farmers, women farmers and beneficiaries in NE states, subject of a maximum of Rs. 0.75 lakh/unit.
	iii) Tractor/Power tiller (below 20 BHP) driven equipments		
	a) Land Development, tillage and seed bed preparation equipments	0.30 lakh per unit	Subject to a maximum of Rs.0.12 lakh/unit for general category farmers, and in the case if SC, ST, Small & Marginal farmers, women farmers and beneficiaries in NE states, subject of a maximum of Rs. 0.15 lakh/unit.
	b) Sowing, planting reaping and digging equipments	0.30 lakh per unit	Subject to a maximum of Rs.0.12 lakh/unit for general category farmers, and in the case if SC, ST, Small & Marginal farmers, women farmers and beneficiaries in NE states, subject of a maximum of Rs. 0.15 lakh/unit.
	c) Plastic mulch laying machine	0.70 lakh per unit	Subject to a maximum of Rs.0.28 lakh/unit for general category farmers, and in the case if SC, ST, Small & Marginal farmers, women farmers and beneficiaries in NE states, subject of a maximum of Rs. 0.35 lakh/unit.

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	iv) Self-propelled Horticulture Machinery	2.50 lakh per unit	Subject to a maximum of Rs. 1.00 lakh/unit for general category farmers, and in the case if SC, ST, Small & Marginal farmers, women farmers and beneficiaries in NE states, subject of a maximum of Rs. 1.25 lakh/unit.
	v) Plant Protection equipments		
	(a) Manual sprayer: (i) Knapsack/foot operated sprayer.	Rs. 0.012 lakh/unit	Subject to a maximum of Rs.0.005 lakh/unit for general category farmers, and in the case if SC, ST, Small & Marginal farmers, women farmers and beneficiaries in NE states, subject of a maximum of Rs. 0.006 lakh/unit.
	(b) Powered Knapsack sprayer/Power Operated Taiwan sprayer (capacity 8 - 12 lts):	Rs. 0.062 lakh/unit	Subject to a maximum of Rs.0.025 lakh/unit for general category farmers, and in the case if SC, ST, Small & Marginal farmers, women farmers and beneficiaries in NE states, subject of a maximum of Rs. 0.031 lakh/unit
	(c) Powered Knapsack sprayer/Power Operated Taiwan sprayer (capacity above 12- 16 lts):	Rs. 0.076 lakh/unit	Subject to a maximum of Rs.0.03 lakh/unit for general category farmers, and in the case if SC, ST, Small & Marginal farmers, women farmers and beneficiaries in NE states, subject of a maximum of Rs. 0.038 lakh/unit
	(d) Powered Knapsack sprayer/Power Operated Taiwan sprayer (capacity above 16/lts	Rs. 0.20 lakh/unit	Subject to a maximum of Rs.0.08 lakh/unit for general category farmers, and in the case if SC, ST, Small & Marginal farmers, women farmers and beneficiaries in NE states, subject of a maximum of Rs. 0.10 lakh/unit
	(e) Tractor mounted /Operated Sprayer (below 20 BHP):	Rs. 0.20 lakh/unit	Subject to a maximum of Rs.0.08 lakh/unit for general category farmers, and in the case if SC, ST, Small & Marginal farmers, women farmers and beneficiaries in NE states, subject of a maximum of Rs. 0.10 lakh/unit
	(f) Tractor mounted / Operated Sprayer (above 35 BHP)/Electrostatic Sprayer	Rs. 1.26 lakh/unit	40% of cost, subject to a maximum of Rs. 0.50 lakh/unit for general category farmers, and in the case if SC, ST, Small & Marginal famers, women farmers and beneficiaries in NE states, 50% of cost, subject to a maximum of Rs. 0.63 lakh per unit.
	(g) Eco Friendly Light Trap	Rs. 0.028 lakh/unit	Subject to a maximum of Rs.0.012 lakh/unit for general category farmers, and in the case if SC, ST, Small & Marginal farmers, women farmers and beneficiaries in NE states, subject of a maximum of Rs. 0.014 lakh/unit
	vi) Import of new machines & tools for horticulture for demonstration purpose (Public sector)	Rs. 50.00 lakh per unit	100% of the total cost.
B.13	Technology Dissemination through demonstration/ front line demonstration	Rs. 25.00 lakh	75 % of cost in farmers field and 100% of cost in farms belonging to Public Sector, SAUs etc.
B.14	Human Resource Development (HRD)		
	i) HRD for Supervisors & Entrepreneurs	Rs. 20.00 lakh/unit	100% of the cost in first year. In subsequent years, cost of infrastructure not to be claimed.
	ii) HRD for Gardeners	Rs. 15.00 lakh/unit	100% of the cost.
	iii) Training of farmers		
	a) Within the State	Rs. 1000/day per farmer including transport	100% of the cost.
	b) Outside the State	Project based as per actual.	100% of the cost.
	iv) Exposure visit of farmers		

	a) Outside the State	Project based as per actual.	100% of the cost.
	b) Outside India	Rs. 4.00 lakh / participant	Project Based. 100% of air/rail travel. Course fee cost to be funded under Mission Management.
	v) Training / study tour of technical staff/ field functionaries		
	a) Within the State	Rs.300/day per participant plus TA/DA, as admissible	100% of the cost.
	b) Study tour to progressive States/units (group of minimum 5 participants)	Rs.800/day per participant plus TA/DA, as admissible	100% of the cost.
	c) Outside India	Rs. 6.00 lakh per participant	100% of air/rail travel and course fee cost to be funded under Mission Management.
C.	INTEGRATED POST HARVEST MANAGEMENT		
C. 1	Pack house	Rs. 4.00 lakh/unit with size of 9Mx6M	50% of the capital cost.
C. 2	Integrated pack house with facilities for conveyer belt, sorting, grading units, washing, drying and weighing.	Rs. 50.00 lakh per unit with size of 9Mx18M	Credit linked back-ended subsidy @ 35% of the cost of project in general areas and 50% of cost in case Hilly & Scheduled areas for individual entrepreneurs.
C. 3	Pre-cooling unit	Rs. 25.00 lakh / unit with capacity of 6 MT.	Credit linked back-ended subsidy @ 35% of the cost of project in general areas and 50% of cost in case Hilly & Scheduled areas for individual entrepreneurs.
C. 4	Cold room (staging)	Rs. 15.00 lakh/ unit of 30 MT capacity	Credit linked back-ended subsidy @ 35% of the cost of project in general areas and 50% of cost in case Hilly & Scheduled areas, per beneficiary.
C. 5	Mobile pre- cooling unit	Rs. 25.00 lakh	Credit linked back-ended subsidy @ 35% of the cost of project in general areas and 50% of cost in case Hilly & Scheduled areas, per beneficiary.
C. 6	Cold Storage (Construction, Expansion and Modernisation)		
	i) Cold storage units Type 1 - basic mezzanine structure with large chamber (of >250 MT) type with single temperature zone	Rs. 8,000/MT, (max 5,000 MT capacity)	Credit linked back-ended subsidy @ 35% of the cost of project in general areas and 50% of cost in case Hilly & Scheduled areas, per beneficiary.
	ii) Cold Storage Unit Type 2 – PEB structure for multiple temperature and product use, more than 6 chambers (of < 250 MT) and basic material handling equipment.	Rs. 10,000/MT, (max 5,000 MT capacity)	Credit linked back-ended subsidy @ 35% of the cost of project in general areas and 50% of cost in case Hilly & Scheduled areas, per beneficiary.
	iii) Cold Storage Units Type 2 with add on technology for Controlled Atmosphere	Additional Rs. 10,000/MT for add on components of controlled atmosphere technology. Details are as per Appendix - II	Credit linked back-ended subsidy @ 35% of the cost of project in general areas and 50% of cost in case Hilly & Scheduled areas, per beneficiary.

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C. 7	Technology induction and modernisation of cold-chain	Max Rs. 250.00 lakh for modernization of PLC equipment, packaging lines, dock levelers, advanced graders, alternate technologies, stacking systems, modernization of insulation and refrigeration, etc. Details are in Appendix –II	Credit linked back-ended subsidy @ 35% of the cost of project in general areas and 50% of cost in case Hilly & Scheduled areas, per beneficiary.
C. 8	Refrigerated Transport vehicles	Rs. 26.00 lakh for 9 MT (NHM & HMNEH), and prorata basis for lesser capacity, but not below 4 MT.	Credit linked back-ended subsidy @ 35% of the cost of project in general areas and 50% of cost in case of Hilly & Scheduled areas, per beneficiary.
C. 9	Primary / Mobile/ Minimal processing unit	Rs 25.00 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.
C. 10	Ripening chamber	Rs. 1.00 lakh/MT	Credit linked back-ended subsidy @ 35% of the capital cost of project in general areas and 50% in case of Hilly & Scheduled areas for a maximum of 300 MT per beneficiary.
C. 11	Evaporative / low energy cool chamber (8 MT)	Rs. 5.00 lakh/unit	50% of the total cost.
C. 12	Preservation unit (low cost)	Rs.2.00 lakh/unit for new unit and Rs.1.00lakh/unit for up-gradation	50% of the total cost.
C. 13	Low cost onion storage structure (25 MT)	Rs. 1.75 lakh/per unit	50% of the total cost.
C. 14	Pusa Zero energy cool chamber (100 kg)	Rs. 4000 per unit	50% of the total cost.
C. 15	Integrated Cold Chain supply System	Project Based. Project should comprise of minimum two components listed under C.1 to C.13 above, with maximum cost of Rs. 600.00 lakh.	Credit linked back-ended subsidy @ 35% of the cost of project in general areas and 50% of cost in case Hilly & Scheduled areas, per beneficiary.
D.	ESTABLISHMENT OF MARKETING INFRASTRUCTURE FOR HORTICULTURAL PRODUCE IN GOVT./PRIVATE/ COOPERATIVE SECTOR		
D. 1	Terminal markets	Rs. 150.00 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.
D. 2	Wholesale markets	Rs.100.00 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, per beneficiary.

D. 3	Rural Markets/Apni mandies/Direct markets	Rs. 25.00 lakh	Credit linked back-ended subsidy @ 40% of the capital cost of project in general areas and 55% in case of Hilly & Scheduled areas, per beneficiary.
D. 4	Retail Markets / outlets (environmentally controlled)	Rs. 15.00 lakh/unit	Credit linked back-ended subsidy @ 35% of the capital cost of project in general areas and 50% in case of Hilly & Scheduled areas, per beneficiary.
D. 5	Static/Mobile Vending cart/ platform with cool chamber.	Rs. 30,000/ unit	50% of total cost.
D. 6	Functional Infrastructure for:		
	i) Collection, sorting/ grading, packing units etc.	Rs.15.00 lakh	Credit linked back-ended subsidy @ 40% of the capital cost of project in general areas and 55 % in case of Hilly & Scheduled areas, per beneficiary.
	ii) Quality control/ analysis lab	Rs. 200.00 lakh	100% of the total cost to public sector and 50% of cost to private sector as credit linked back ended subsidy.
D. 7	Gravity operated rope way in hilly areas	Rs. 15.00 lakh/km	Credit linked back-ended subsidy @ 50% of capital costs in Hilly areas.
E.	FOOD PROCESSING		
E. 1	Food processing units	Rs. 800 lakh/unit	Credit linked back ended capital investment assistance of 50% of cost in the States of J&K, Himachal and Uttarakhand
F.	SPECIAL INTERVENTIONS		
F. 1	Innovative interventions not covered under any GOI schemes	10% of outlay	50% of cost, based on project proposal.
F. 2	Tackling of emergent /unforeseen requirements of SHMs	Rs.20.00 lakh	50% of cost, based on project proposal.
G.	MISSION MANAGEMENT		
G. 1	State & Districts Mission Offices and implementing agencies for administrative expenses, 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.
G. 2	Institutional Strengthening, hire/purchase of vehicles, hardware/software	Project based	100% assistance.
G. 3	Seminars conferences, workshops, exhibitions, Kisan Mela, horticulture shows, honey festivals etc.		
	a) International level	Rs. 7.50 lakh per event.	100% of cost per event of 4 days, on pro rata basis.
	b) National level	Rs. 5.00 lakh per event.	100% of cost per event of two days.
	c) State level	Rs. 3.00 lakh /event	100% assistance subject to a maximum of Rs.3.00 lakh per event of two days.
	d) District level	Rs. 2.00 lakh /event	100% assistance subject to a maximum of Rs.2.00 lakh per event of two days.
G. 4	Information dissemination through publicity, printed literature etc and local advertisements	Rs. 0.40 lakh/ block	100% of cost.

Annexure-V

G. 5	Development of technology packages in electronic form to be shared through IT network	Rs. 1.00 lakh/ district	100% of Cost
G. 6	Technical Support Group (TSG) at State Level for hiring experts/staff, studies, monitoring & concurrent evaluation/ evaluation, mass media, publicity, video conference etc.	Project based, subject to a ceiling of Rs. 50.00 lakh per annum/state	100% of cost
G. 7	7. Promotion of Farmer Producers Organization/ FPO/FIG Farmer Interest Groups of 15-20 farmers/20 ha, Growers Associations and tie up with Financial Institution and Aggregators.	As per norms issued by SFAC.	As per norms issued by SFAC from time to time.
G. 8	Baseline survey and Strengthening horticultural statistical data base	Rs. 100.00 lakh for large states, Rs. 50.00 lakh for small states and Rs. 25.00 lakh for very small states/ UTs.	100% of cost as one time grant on survey related activities.
I.	National Level		
G. 9	Technical Support Group (TSG) at National Level for hiring experts/staff, studies, Seminar/ Workshops, training, contingencies, monitoring & evaluation, mass media, publicity, video conference etc as per G.3.	Rs. 5.00 crore per annum	100% of cost.
G. 10	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.
* Cost norms means upper limit of cost for calculation of subsidy.			
# 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. Hilly Areas include those areas covered under Hill Area Development Programme and Western Ghat Development Programme of Planning Commission. Scheduled Areas include those areas notified by Planning Commission and State Governments. TSP Areas include those areas notified by Ministry of Tribal Affairs. NE & Himalayan States refer to States in North East & Himalayan region covered under HMNEH scheme.			

APPENDIX I

INDICATIVE UNIT COST OF AREA EXPANSION OF SELECTED FRUIT CROPS (Rupees per hectare)

Crop	Plant spacing (m)	No. of Plants/ha	Cost of planting material	Cost of inputs	Total cost without integration	Cost of integration with drip etc.	Total cost with Integration
Almond	4.0 × 4.0	625	37500	40000	77500	33900	111400
	3.0 × 3.0	1111	66660	40000	106660	58400	165060
Aonla	6.0 × 6.0	278	10008	30000	40008	33,900	73908
	4.0 × 5.0	500	18000	32000	50000	33900	83900
	3.0 × 3.0	1110	39960	90000	129960	58400	188360
Apple	6.0 × 6.0	278	16680	30000	46680	33900	80580
	4.0 × 4.0 (RS- MM 111)	625	37500	32000	69500	33900	103400
	3.5 × 3.5 (RS- MM 111)	814	48840	35000	83840	58400	142240
	3.0 × 3.0 (RS- MM 106)	1111	66660	38000	104660	58400	163060
	3.0 × 1.5 (RS- M9)	2222	133320	40000	173320	58400	231720
	2.5 × 2.5 (RS- MM 106)	1600	96000	42000	138000	58400	196400
	1.5 × 1.5 (RS- M9)	4444	266640	45000	311640	85400	397040
Apricot	4.0 × 4.0	625	37500	32000	69500	33900	103400
	3.5 × 3.5	816	48960	35000	83960	58400	142360
Banana (Sucker)	2.0 × 2.0	2500	25000	40000	65000	58400	123400
Banana (TC)	1.8 × 1.8	3086	52462	50000	102462	58400	160862
	1.5 × 1.5	4444	75548	60000	135548	85400	220948
Ber	6.0 × 6.0	278	8340	20000	28340	33900	62240
	5.0 × 5.0	400	12000	23000	35000	33900	68900
	4.0 × 4.0	625	18750	25000	43750	33900	77650
Cherry	4.0 × 4.0	625	18750	32000	50750	33900	84650
Citrus							
(a) Lime & Lemons	3.0 × 3.0	1111	39996	40000	79996	58400	138396
	4.0 × 4.5	555	19980	35000	54980	33900	88880

APPENDIX I

(b) Mandarine/ Orange	6.0 × 6.0	278	10008	30000	40008	33900	73908
	5.0 × 5.0	400	14400	31000	45400	33900	79300
	5.4 × 5.4	343	12348	30000	42348	33900	76248
	5.0 × 4.5	444	15984	32000	47984	33900	81884
	4.5 × 4.5	494	17784	35000	52784	33900	86684
	4.0 × 5.0	500	18000	32000	50000	33900	83900
(c) Sweet Orange	6.0 × 6.0	278	10008	30000	40008	33900	73908
Custard apple	2.5 × 2.5	1600	64000	42000	106000	58400	164400
Fig	4.0 × 4.0	625	18750	32000	50750	33900	84650
	2.5 × 2.5	1600	48000	35000	83000	58400	141400
Grapes	4.0 × 4.0	625	9375	98000	107375	75000	182375
	3.0 × 3.0	1110	16650	100000	116650	100000	216650
	3.0 × 2.0	1666	24990	110000	134990	150000	284990
	1.8 x 1.8	2777	41655	115000	156655	200000	356655
Guava	6.0 × 6.0	278	8340	30000	38340	33900	72240
	3.0 × 6.0	555	16650	35000	51650	58400	110050
	3.0 × 3.0	1111	33330	40000	73330	58400	131730
	1.5 x 3.0	2222	66660	45000	111660	58400	170060
	1.0 x 2.0	5000	150000	50000	200000	58400	258400
Kiwi	6.0 × 6.0	278	6950	30000	36950	60000	96950
	4.0 × 6.0	416	10400	100000	110400	70000	180400
	4.0 × 5.0	500	12500	115000	127500	72000	199500
	4.0 × 4.0	625	15625	120000	135625	75000	210625
Litchi	10.0 x 10.0	100	5000	23000	28000	23500	51500
	7.5 x 7.5	178	8900	26450	35350	33900	69250
	6.0 x 6.0	278	13900	30000	43900	33900	77800
	4.5 x 4.5 x 9.0	329	16450	35000	51450	33900	85350
Mango	10.0 x 10.0	100	4500	21000	25500	23500	49000
	5.0 × 5.0	400	18000	23000	41000	33900	74900
	4.0 × 6.0	416	18720	30000	48720	33900	82620
	3.0 × 6.0	555	24975	32000	56975	33900	90875
	3.0 × 4.0	833	37485	35000	72485	33900	106385
	2.5 × 2.5	1600	72000	40000	112000	58400	170400
Papaya	1.8 x 1.8	2777	41655	20000	61655	58400	120055
	1.5 x 1.5	4444	66660	22000	88660	85400	174060
Passion fruit	4.0 × 4.0	625	12500	98000	110500	75000	185500
	3.0 × 3.0	1111	22220	100000	122220	100000	222220
	3.0 × 2.0	1666	33320	11000	44320	150000	194320
Peach	3 x 2.5	1333	46655	45000	91655	58400	150055
	2.5 x 2.5	1600	56000	50000	106000	58400	164400

Pear	5.0 × 5.0	500	15000	23000	38000	33900	71900
	4.0 × 4.0	625	18750	30000	48750	33900	82650
	3.0 × 3.0	1111	33330	40000	73330	58400	131730
Pineapple (Suck)	0.6 × 0.3	45000	135000	23000	158000	100000	258000
Pineapple (TC)	0.6 × 0.3	45000	180000	34500	214500	100000	314500
	0.3 × 0.6 × .9	43000	172000	34500	206500	100000	306500
	.225 × .6 × .9	53000	212000	56000	268000	110000	378000
Plum	3.5 × 3.5	816	32640	35000	67640	33900	101540
	2.5 × 2.5	1600	64000	42000	106000	58400	164400
Pomegranate	5.0 × 5.0	400	16000	32000	48000	33900	81900
	5.0 × 4.0	500	20000	33000	53000	33900	86900
	5.0 × 3.0	667	26680	40000	66680	33900	100580
	5.0 × 2.5	800	32000	48000	80000	33900	139000
	4.5 × 3.0	741	29640	42000	71640	33900	105540
	4.0 × 3.0	666	26640	45000	71640	33900	105540
Sapota	5.0 × 5.0	400	14400	31000	45400	33900	79300
Strawberry	0.9 × 0.45	24691	123455	55000	178455	100000	278455
	0.6 × 0.25	66666	333330	50000	383330	100000	483330
	0.5 × 1.0	2000	10000	100000	110000	100000	210000
Walnut	6.0 × 6.0	278	41700	30000	71700	33900	105600
	5.0 × 5.0	400	60000	31000	91000	33900	124900

APPENDIX II

TECHNOLOGY INDUCTION IN COLD CHAIN, ADD-ON FOR CA AND MODERNIZATION

S. No.	Item	Description	Admissible Cost
i	CA Generator*	Inclusive of sensors, pressure equalising equipment, controls	Rs. 125.00 lakh per unit, maximum 2 generators
ii	Specialised CA Doors*	Add-on specialisation to storage doors for positive pressure chambers.	Rs. 2.50 lac per door, maximum 20 doors
iii	CA Tents#	Low cost enclosure of polyethylene PVC, mylar or other impermeable body for existing or new cold stores	As per original invoice, maximum 5 enclosures
iv	Programmed Logic Controller (PLC) equipment# @	Electronic and electrical logic controls for machinery & equipment for existing or new cold stores.	50% of cost as per original invoice, maximum Rs 10 lakh
v	Dock Leveler system # @	In existing or new storages	Max Rs. 7 lakh per unit, max 5 units
vi	Warehouse Development & Regulatory Authority (WDRA) / Negotiable Warehouse Receipt (NWR) system, equipment# @	Computers and printers & software for use with NWR of WDRA	100% of cost as per original invoice, maximum Rs. 2 lakh
vii	Specialised Packaging#	Automated packaging lines for fruits & vegetables with farm code labelling, with packaging material	100% of cost as per invoice, maximum Rs. 15 lakh per project
viii	High Reach Material Handling Equipment (MHE)*#	Specialised material Handling equipment	Rs. 17 lakh per unit, for max 2 units.
ix	Modernisation of refrigeration @	For upgrading of evaporator system, compressor system	50% of cost as per original invoice, maximum Rs. 100 lakh @ Rs. 2500/MT
x	Modernisation of insulation@	For repair or modernising of cold chamber insulation	50% of cost as per original invoice, maximum Rs.100 lakh @ Rs. 1500/MT
xi	Reefer Container#	Reefer container for use on existing chassis trailers	Max Rs. 6 lakh per 9MT (20 foot container)
xii	Advanced Grader*#@	Computerised, Optical Grading Lines, with packaging material	100% of cost as per original invoice, max Rs. 75 lakh per line
xiii	Stacking system*#@	Racking system Bins, Pallets, for existing or new cold stores.	100% of invoice cost, max Rs 2000/MT
xiv	Retail Shelf / equipment#	Temperature controlled retail cabinets or merchandising equipment	Maximum Rs. 10 lakhs per establishment
xv	Alternate Technology#@	Vapour Absorption, Phase change material, Solar PV panels or Solar Thermal sys	100% of cost as per invoice, maximum Rs. 35 lakhs per project

Components categorization: * CA Add-ons; # Other Add-ons; and @ Modernisation.

Maximum permissible subsidy shall be subject to original invoices and in no case more than Rs. 750.00 lakh, whichever is lower. For add-on technology, credit linked back ended subsidy shall be provided at 35/50% of the admissible cost. Technology offers inherent value for operators and the admissible cost norms are designed to incentivize induction and not to serve as venture funding.

Any other components as maybe decided by Technical Committee when new technology or items that reduce carbon footprints are introduced. For individual unit components like insulation, graders, CA generator, solar panels, etc - NCCD shall publish guidelines for use by appraising agency.

ANNEXURE-VI

COST NORMS AND PATTERN OF ASSISTANCE UNDER MIDH FOR BAMBOO RELATED ACTIVITIES DURING XII PLAN

S. No	Item	Cost Norms*	Pattern of Assistance#
A.	RESEARCH & DEVELOPMENT		
	i) Research & Development on bamboo	Rs. 100.00 lakh	Central Government Institutes under ICAR, CSIR, ICFRE, SAUs, National level Govt. agencies and others location specific will take up need based applied research & development works in the areas of (i) Seed & Planting material including import of planting material (ii) Technology standardization and (iii) Technology acquisition and (iv) imparting training and FLD, on project mode, with 100% assistance.
B.	PLANTATION INFRASTRUCTURE DEVELOPMENT		
B.1	Production of Planting Material		
	i) Hi-tech Nursery (2 ha)	40.00 lakh/ unit	100% of cost to public sector and 40% of cost to private sector, as credit linked back ended subsidy.
	ii) Small Nursery (0.5 ha)	10.00 lakh/ unit	100% of cost to public sector and 50% of cost to private sector, as credit linked back ended subsidy.
	iii) Rehabilitation of TC unit for bamboo	Rs. 21.00 lakh/unit	100% of cost to public sector and 50% of cost to private sector, as credit linked back ended subsidy
B.2	Area expansion under Bamboo		
	i) Forest areas / Public land (Through JFMC / Panchayati Raj Institutions / SHGs, Women group etc.	Rs. 42,000/ha	100% of cost in three installments (50:25:25) in three years
	ii) Non Forest areas	Rs. 30,000/ha, Rs. 42,000/ha with drip irrigation	35% of cost in 3 installments over a period of 3 years, limited to 4 ha per beneficiary.
B.3	Improvement of Existing Stock		
	i) Improvement of Existing Stock in forest/non-forest areas	Rs. 20,000/ha	100% assistance to Public sector and 40% to Private sector, limited to 2 ha per beneficiary for private sector and no area limit for public sector
B. 4	Technology Transfer & HRD		
	i) Training of Farmers/ Artisans	Rs. 1000/day per farmer including transport within State and for outside State, project based as per actual.	100% of cost.
	ii) Training of Field Functionaries	Rs. 300/day per participant plus TA/DA, as admissible.	100% of cost.

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	iii) International training / visit for exposure of NBM staff/ field functionaries including farmers and entrepreneurs in bamboo sector to upcoming technologies.	Rs. 4.00 lakh/ participant	Project based 100% of air/rail fare course fee cost to be funded under Mission Management for a maximum of 50 participants per year on all India basis.
	iv) Demonstration of Plantation Technology	Rs. 50,000/ha	100% of cost in forest areas and public lands. 50% of cost subject to a maximum of Rs. 25,000/ha. for a maximum area of 1 ha per beneficiary in non-forest areas.
	v) Organizing Workshops/ Seminars/Training	Project Based	100% assistance.
	a) International Level	Rs. 7.50 lakh per event	100% assistance subject to a maximum of Rs.40 lakh.
	b) National Level	Rs. 5.00 lakh per event	100% of cost per event of two days.
	c) State Level	Rs. 3.00 lakh per event	100% of cost per event of two days.
	d) District Level		
B. 5	Pest and disease management of bamboo	Rs. 400/ha	50% of cost subject to a maximum of Rs. 200/- per ha, limited to 2.00 ha per beneficiary
B. 6	Creation of Water resources		
	i) Community tanks/on farm ponds/on farm water reservoirs with use of plastic/RCC lining	Rs. 20.00 lakh in plain areas and Rs. 25.00 lakh/ unit for Hilly areas.	100% of cost to irrigate 10 ha of command area, with either use of minimum 300 micron plastic films or RCC lining, owned & managed by a community/ farmer group. Cost for non-lined ponds/ tanks (only in black cotton soils) will be 30% less. Assistance under NBM will be restricted to the cost of plastic/RCC lining.
	ii) Water harvesting system for individuals- for storage of water in 20mx20mx3m ponds/ wells @ Rs.100/- cum	Rs. 1.50 lakh/unit in plain areas and Rs. 1.80 lakh/unit in hilly areas	50% of cost including plastic/RCC lining. Cost for non-lined ponds/ tanks (only in black cotton soils) will be 30% less. For smaller size of the ponds/dug wells, cost will be admissible on pro rata basis depending upon the command area. Maintenance will be ensured by the beneficiary.
C.	INNOVATIVE INTERVENTIONS IN BAMBOO		
	i). Innovative Interventions	Project Based	100% assistance
D.	INTEGRATED POST HARVEST MANAGEMENT		
	i). Post harvest storage and treatment facilities for bamboo	Rs. 25.00 lakh	40% of cost as credit linked back ended subsidy.
E.	ESTABLISHMENT OF MARKETING INFRASTRUCTURE		
E. 1	(i) Bamboo Wholesale Retail Markets near Villages	Rs. 25.00 lakh per unit	Credit linked back-ended subsidy @ 35% of the capital cost of project in general areas and 50% in case of Hilly & Scheduled areas for individual entrepreneurs.
E. 2	Bamboo Bazaars	Rs. 48.00 lakhs/unit	Credit linked back-ended subsidy @ 35% of the capital cost of project in general areas and 50% in case of Hilly & Scheduled areas, per beneficiary.
E. 3	Retail Outlets (Showrooms) (Nos.)	Rs. 60.00 lakhs/unit.	Credit linked back-ended subsidy @ 35% of the capital cost of project in general areas and 50% in case of Hilly & Scheduled areas, per beneficiary.
E. 4	Retail outlet near village	Rs. 10.00 lakh per unit	Credit linked back-ended subsidy @ 35% of the capital cost of project in general areas and 50% in case of Hilly & Scheduled areas, per beneficiary.

E. 5	Participation in Domestic Trade Fairs / Exhibition etc.	8.00 lakh / event	100% of cost for a maximum of 27 participants in a year on all India basis.
E. 6	Participation in International Trade Fairs / Exhibition etc.	24.00 lakh / event	100% of cost for a maximum of 30 participants in a year on all India basis.
F.	IMPLEMENTATION MONITORING MECHANISM		
F. 1	National Bamboo Cell		
	a) Evaluation and Monitoring	Project Based	100% of cost
	b) Bamboo Technical Support Group	Project Based	Subject to a ceiling of Rs. 50.00 lakh / annum / state.
	c) Colored Brochures and Leaflets	Project Based	100% of cost.
	d) Promotional campaigns through Electronic/ Audio-visual Media/ Newspapers	Project Based	100% cost.
	e) Database Generation & Management (Information, Web Based Database)	Project Based	100% of cost to Central / State level institution/ ICAR / ICFRE etc.
F. 2	Baseline survey	Rs. 100.00 lakh for large states, Rs. 50.00 lakh for small states and Rs. 25.00 lakh for very small states/ UTs.	100% of cost as one time grant on survey related activities.
F. 3	Mission management and administration costs.	Project Based	Up to 5.0% of the project cost.

* Cost norms means upper limit of cost for calculation of subsidy.

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.

ANNEXURE-VII

COST NORMS AND PATTERN OF ASSISTANCE UNDER MIDH FOR NATIONAL HORTICULTURE BOARD RELATED ACTIVITIES DURING XII PLAN

S.No.	Item	Cost Norms*	Pattern of Assistance#
A.	DEVELOPMENT OF COMMERCIAL HORTICULTURE##		
A. 1	Commercial Horticulture Development in open field conditions, including components viz planting material, plantation, irrigation, fertigation, precision farming, GAP etc.	Rs. 75.00 lakh /per project (Rs 125.00 lakh for date palm, olive and saffron) for projects covering area over 2 ha.	Credit linked back ended subsidy @ 40% of project cost limited to Rs.30.00 lakh per project in general area and @ 50% of project cost limited to Rs. 37.50 lakh for NE and Hilly and scheduled areas.
A. 2	Commercial Horticulture Development in protected cover.	Rs 112.00 lakh per project covering area above 2500 Sq.mt.	Credit linked back-ended subsidy @ 50% of cost limited to Rs.56.00 lakh per project.
A. 3	Integrated Post Harvest Management Projects e.g. Pack House, Ripening Chamber, Refer Van, Retail Outlets, Pre-cooling units, Primary processing, etc.	Rs. 145.00 lakh per project. The add-on components of pre-cooling, pack house, grading, packing, cold room can be taken up as individual components.	Credit linked back ended subsidy @ 35% of cost limited to Rs.50.75 lakh per project in general areas and @ 50% of project cost limited to Rs. 72.50 lakh per project in NE, Hilly and scheduled Areas, ensuring backward and forward linkage. For standalone projects, NHM norms will be adopted.
B.	CAPITAL INVESTMENT SUBSIDY SCHEME FOR CONSTRUCTION/ EXPANSION/ MODERNIZATION OF COLD STORAGE AND STORAGES FOR HORTICULTURE PRODUCTS		
B. 1	Cold storage units Type 1 - basic mezzanine structure with large chamber (of >250 MT) type with single temperature zone	NHB to take up projects with Capacity above 5000MT upto 10000MT as per following rates. · Rs. 7600/ MT for capacity between 5001 to 6500 MT. · Rs. 7200/MT for capacity between 6501 to 8000 MT. · Rs. 6800/MT for capacity between 8001 to 10000 MT.	Credit linked back-ended subsidy @ 35% of the cost of project (50% in NE, Hilly Areas and scheduled areas) for capacity above 5000 MT.
B. 2	Cold Storage Unit Type 2 – PEB structure for multiple temperature and product use, more than 6 chambers (of < 250 MT) and basic material handling equipment.	NHB to take up projects with Capacity above 5000 MT upto 10000 MT as per following rates. · Rs. 9500/ MT for capacity between 5001 to 6500 MT. · Rs. 9000/MT for capacity between 6501 to 8000 MT. · Rs. 8500/MT for capacity between 8001 to 10000 MT.	Credit linked back-ended subsidy @ 35% of the cost of project (50% in NE, Hilly Areas and scheduled areas) for capacity above 5000 MT.

B. 3	Cold Storage Units Type 2 with add on technology for Controlled Atmosphere	NHB to take up projects with Capacity above 5000MT upto 10000MT as per following rates. Additional Rs. 10,000/MT for add on components of Controlled Atmosphere technology. (Appendix II)	Credit linked back-ended subsidy @ 35% of the cost of project (50% in NE, Hilly Areas and scheduled areas) for capacity above 5000 MT.
B. 4	Technology induction and modernisation of cold-chain	Max Rs.500.00 lakh. (Details in Appendix II)	Credit linked back-ended subsidy @ 35% of the cost of project (50% in NE, Hilly Areas and scheduled areas) for capacity above 5000 MT.
B. 5	Refrigerated Transport vehicles	Rs. 30.00 lakh for 15 MT, and prorata basis for capacities between 9 to 15 MT.	Credit linked back-ended subsidy @ 35% of cost (50% in NE, Hilly Areas and scheduled areas)
C. TECHNOLOGY DEVELOPMENT AND TRANSFER FOR PROMOTION OF HORTICULTURE			
C. 1.	Setting up of block / mother plant and root stock nursery (Area above 4 ha)	Rs. 100.00 Lakh / ha including virus indexing, tissue culture lab etc	Project based – 100% and only through govt. agency The component includes mother block of scion and root stock, infrastructure for production of disease free planting material, creation of poly house, green house, net house, screen house, mist chamber, hot beds sterilization of media, working shed, tissue culture lab, referred lab, virus indexing facility, quality control lab, weather station, water supply, irrigation facility, fertigation unit, electric supply with generator, ETP, farm equipment/farm mechanization, tools, portrays, root trainer, container, computer system for data management and analysis etc.
C. 2	Acquisition of technologies including import of planting material from other countries for evaluation and mass multiplication in order to increase production & productivity of horticulture crops	Rs. 50.00 lakh/project	Project based – 100% and only through govt. agency
C. 3	Import/procurement of machines and Tools for horticulture for demonstration purpose (Public sector)	Rs. 50.00 lakh/ machine	100% of total cost and only through govt. agency
C. 4	Development & Transfer of Technology	Rs. 25.00 lakh/ project	100% of total cost and only through govt. agency
C. 5	Long Distance Transport Solution	Project Based	Rs. 2000.00 lakh
C. 6	Product Promotion and Market Development Services- Horti-fairs	Rs. 25.00 lakh	100% of cost by Central Nodal Agency
C. 7	Exposure visit of farmers (Outside State)	Project based as per actual	100% of the cost.
C. 8	Visit Abroad for Government Officers	Rs. 6.00 lakh per participant	100% of air / rail travel and course fee
C. 9	Organisation/Participation in Seminar/ symposia/ workshop for development of horticulture	Rs 10.00 lakh for international event/ Rs 5.00 lakh for national event/ Rs 3.00 lakh for state level event and Rs 0.50 lakh/- for District level event	50% of cost, on actual basis for Pvt. Agencies and 100% for NHB's own events.

ANNEXURE-VII

C.10	Accreditation and Rating of Fruit Plant Nurseries	Rs. 1.00 lakh / nursery	By Central Nodal Agency
D.	MARKET INFORMATION SCHEME		
D. 1	Market Information Services and Horticulture Statistics	Project based, as per of actual cost	By Central Nodal Agency
E.	HORTICULTURE PROMOTION SERVICES / EXPERT SERVICES & STRENGTHENING CAPABILITY OF NHB	Project based, as per of actual cost	By Central Nodal Agency

* Cost norms are indicative and refer to upper limit of cost for calculation of subsidy.

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. Hilly Areas include those areas covered under Hill Area Development Programme and Western Ghat Development Programme of Planning Commission. Scheduled Areas include those areas notified by Planning Commission and State Governments. NE & Himalayan States refer to States in North East & Himalayan region covered under HMNEH scheme.

For projects on Development of Commercial Horticulture, subsidy need not be credit linked in North Eastern States and 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. Projects will have to be appraised by an appraising Agency.

ANNEXURE-VIII

COST NORMS AND PATTERN OF ASSISTANCE UNDER MIDH FOR COCONUT DEVELOPMENT BOARD RELATED ACTIVITIES DURING XII PLAN

S.No.	Item	Cost Norms*	Pattern of Assistance
A.	NORMAL SCHEMES		
A. 1.	Production & Distribution of Quality Planting material		
	a) Demonstration cum- Seed Production Farm (DSP)		
	i) Setting up new DSP Farms.	Rs. 25.00 lakh / farm	100% of cost
	ii) Maintenance of seven old DSP Farms with nurseries.	Rs. 27.00 lakh / farm	100% of cost
	b) Establishment of Regional Coconut Nurseries.	Rs. 32.00 per seedling	50% of cost
	c) Distribution of hybrids/dwarf seedlings in Govt. / Private Sector.	Rs. 36.00 per seedling	25% of cost, for a maximum of 25,000 seedlings/ acre.
	d) Establishment of Nucleus Coconut Seed garden	Rs. 6.00 lakh/ha	25% of cost for a maximum of four ha.
	e) Establishment of Small Coconut Nursery	Rs. 2.00 lakh /unit of 0.4 ha.	100% of cost for Public sector and for Private sector
A. 2	Expansion of Area under coconut		
	a) Normal area	-	
	i). Tall varieties	Rs. 26,000/ha	25% of cost for a maximum of 4 ha per beneficiary, in two equal installments.
	ii). Hybrid	Rs. 27,000/ha	
	iii). Dwarf	Rs. 30,000/ha	
	b) Hilly and Scheduled areas#		
	i). Tall varieties	Rs. 55,000 / ha	25% of cost for a maximum of 4 ha per beneficiary, in two equal installments.
	ii). Hybrid	Rs. 55,000 / ha	
	iii). Dwarf	Rs. 60,000 / ha	
A. 3.	Integrated farming for productivity improvement		
	a) Laying out of Demonstration plots.	Rs. 35,000/ha	100% of cost in Public sector on cluster basis.
	b) Organic Manure Units	Rs. 60,000/unit	100% of cost in Public sector on cluster basis.
A. 4	Technology Demonstration / Quality Testing lab.	Rs. 25.00 lakh per project	100% to public sector
A. 5.	Marketing, Market Intelligence Services, statistics and Strengthening of Export Promotion Council (EPC)	Rs. 50.00 lakh per project	100% to public sector
A. 6.	Information & Information Technology	Rs. 50.00 lakh per project	100% of cost to public sector
A. 7.	Technical Service & Project Management	Project based	100% of cost to public sector

ANNEXURE-VIII

B.	TECHNOLOGY MISSION ON COCONUT		
B.1	Development and adoption of technologies for management of insect pests and disease affected gardens		
	a) Development of technologies	a) Rs. 50.00 lakhs for ICAR(CPCRI)/ State Agricultural Universities/ State Deptt. of Horticulture/ Agriculture/ and cooperative sector b) Rs. 25 lakhs for NGO's and other organizations	a) 100% of the cost of project b) 50% of the cost
	b) Demonstration of technologies	a) Rs.25 lakh/ projects to ICAR (CPCRI)/ State Agricultural Universities/ State Deptt. of Horticulture/ Agriculture/ other related public sector units/ Registered cooperative societies b) Limited to Rs 10.00 lakh for individuals / group of farmers/ NGO's, private companies	a) 100% of the cost of project b) 50% of the cost
	c) Adoption of technologies	a) 25% of the cost of technology adoption b) 25% of the cost in case of group of farmers/NGO's /other organizations	25% of the cost
B.2	Development and adoption of technologies for processing and product diversification		
	a) Development of technologies.	a) Rs.75 lakhs for all the Govt. institutions and cooperative societies. b) Rs.35 lakhs for NGO's, Individual entrepreneurs and other research organizations	a) 100% of the project cost b) 75% of the project cost
	b) Acquisition, training, demonstration of technologies	a) Rs.25 lakh/ projects to ICAR (CPCRI)/ State Agricultural Universities/ State Deptt. of Horticulture/ Agriculture/ other related public sector units/ Registered cooperative societies b) Limited to Rs 10.00 lakh for individuals / group of farmers/ NGO's, private companies	a) 100% of the cost to all the Govt. institutions and cooperative societies b) 50% of the cost for the NGO's, Individual entrepreneurs and other organizations

	c) Adoption of technologies	a) 25% of the cost of technology adoption b) 25% of the cost in case of group of farmers/NGO's /other organizations	a) Back-ended credit capital subsidy limited to 25% of the cost. b) For SC/ST women farmers, 33.3% of the project cost. c) In case of high value agriculture in the Union Territories of Andaman and Nicobar Islands and Lakshadweep 50% of the project cost.
B.3	Market research and promotion		
	a) Market research	a) Rs. 25 lakhs for Govt. agencies and cooperative societies b) Rs. 12.50 lakh for individuals, NGO's and other organizations	a) 100% of the cost of project b) 50% of the cost
	b) Market Promotion	a) Rs. 25 lakhs for Govt. agencies and cooperative societies b) Rs. 6.00 lakhs to federation of CPS (FPO's). c) Rs. 15 lakhs for NGO's and private institutes.	a) 100% of the cost of project b) 50% of the cost
B.4	Technical support external evaluation and emergent requirement	Need basis	As per TMOc norms
C.	REPLANTING & REJUVENATION OF OLD COCONUT GARDEN		
	a) Cutting & removing old / senile palms	Rs. 32,000/ ha	@ Rs. 1000 / palm limited to 32 palms / ha
	b) Assistance for replanting	Rs. 80/- per seedling	50% of cost subject to maximum of Rs. 4000 / ha.
	c) Improvement of existing coconut gardens through integrated management practices.	Rs. 70,000/ha	25% of cost in two equal installments.
D.	COCONUT PALM INSURANCE SCHEME	Rs. 4.69 per palm for trees in age group 4-15 years and Rs. 6.35 / palm in the age group of 16-60 years, including service tax @ 10.30%.	75% of cost of premium of which 50 % of insurance premium by CDB and 25% by State Government.
E.	KERA SURAKSHA INSURANCE SCHEME	Project based	75% of cost of premium
F.	ESTABLISHMENT OF IN-HOUSE RESEARCH & DEVELOPMENT CENTRE	Project based	100% of cost, to CDB

* Cost norms means upper limit of cost for calculation of subsidy. .05

Hilly Areas include those areas covered under Hill Area Development Programme and Western Ghat Development Programme of Planning Commission. Scheduled Areas include those areas notified by Planning Commission and State Governments.