

Most Immediate  
Time Bound

F.No. 40-1/2010-Hort.TM  
Government of India  
Ministry of Agriculture  
Department of Agriculture & Cooperation

189, Krishi Bhawan, New Delhi  
Dated: 12<sup>th</sup> May, 2010

Subject: Revised cost norms under Horticulture Mission for North East & Himalayan States – reg.

Kindly refer to this Department's letter of even number dated 3.5.2010 regarding the minutes of the Central Steering Committee Meeting held under the chairmanship of Secretary(A&C) and conveying the approval of State Action Plan-2010-11 under MM-II of the scheme.

Government of India has now approved the implementation of Technology Mission for Integrated Development of Horticulture in North Eastern States including Sikkim, Jammu & Kashmir, Himachal Pradesh and Uttarakhand (TMNE) during XI Plan. As per the approval of GOI, the scheme will herein after be implemented in the name of **Horticulture Mission for North East & Himalayan States (HMNH)**, in which, some new components have been added and cost norms of various components have been revised. The revised guidelines of the scheme will be sent separately. However, the details of the revised cost norms, list of mechanization tools, high density planting of selected crops is enclosed for ready reference.

States Govt./Implementing agencies are requested to revise the State Action Plan for the year 2010-11 taking into consideration the new components and revised cost norms within the approved allocation under MM-II of the scheme and submit to this Department latest by 21<sup>st</sup> May, 2010.

Kindly **treat it most urgent** for an early release of funds.

Encl: As above.

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Distribution: As per the list.

**COST NORMS AND PATTERN OF ASSISTANCE UNDER  
HORTICULTURE MISSION FOR NORTH EAST AND HIMALAYAN STATES  
DURING XI PLAN**

<b>S. No</b>	<b>Item</b>	<b>Maximum permissible cost</b>	<b>Pattern of Assistance#</b>
<b>A. MINI MISSION- I</b>			
1.	Seed and Planting material – Production and supply of parental lines, quality seeds, rootstocks, motherstocks (scion blocks)	Rs.15 lakh/ project	Project based – 100% for public sector.
2.	Technology Standardization / refinement and dissemination	Rs.20 lakh/ project	Project based – 100% for public sector.
3.	Acquisition of technologies including import of planting material from other countries	Rs.10 lakh/ project	Project based – 100% for public sector.
4.	Imparting training through on farm trials / front line demonstrations	Rs.5 lakh/ project	Project based – 100% for public sector.
<b>B. MINI MISSION – II</b>			
<b>1. Production of planting material</b>			
(i)	Model nursery / Big Nursery (2-4 ha)	Rs.6.25 lakh/ha	100 % of the cost for Public sector and 50% for private sector having production capacity of 50,000 plants per ha per year. Assistance could be availed upto Rs. 25.00 lakh by public sector and Rs. 12.50 lakh by private sector for an area of 4 ha.
(ii)	Small nursery (1ha)	Rs.6.25 lakh	100 % of the cost for Public sector and 50% for private sector having production capacity of 50,000 plants per ha per year for 1 ha.
(iii)	Setting up of TC Units	Rs.100 lakh/unit	100 % of the to Public sector and 50% of cost to private sector units having production capacity of 15 lakh plants of mandated crops for which protocols are available for commercial use.
(iv)	Rehabilitation of existing Tissue Culture (TC) units.	Rs. 15 lakh per unit-as Project based activity	100% of the cost to public sector and in case of private sector 50% of the cost.
(v)	True Potato Seed Center	Rs. 25 lakh per center	100% of the cost to public sector and 50% of the cost to private sector.
(vi)	Progeny and Herbal Gardens	Rs. 5 lakh/unit	100% of the cost to public sector and in case of private sector @ 50% of the cost.
(vii)	Seed production for vegetables and Rhizomatic spices		

a)	Open pollinated crops	Rs. 30,000/ha	For public sector 100% for private sector, 75% of the cost, limited to 5 ha. Output target of seed for each crop will be fixed by the individual state for each beneficiary, before releasing funds.
b)	Hybrid seeds	Rs. 1,33,000/ha	For public sector, 100% and for private sector, 75% of the cost limited to 2 ha. Output targets of seed for each crop will be fixed by the individual State for each beneficiary, before releasing funds.
(viii)	Import of planting material for trial and demonstration purpose (By State Government, Growers' Associations recognized by NHB/MOA, PSU)	Rs. 10 lakh	100% of the cost for state Govt./ PSUs and 75% of the cost to Recognized Growers' Association.
(ix)	Seed infrastructure for handling, processing, packing, storage etc. of seeds of horticulture crops.	Rs. 200 lakh	100% of the cost to public sector and 75% of cost to private sector.
<b>2. Area expansion under Hort. Crops</b>			
<b>I. Fruits</b> (for a maximum area of 4 ha per beneficiary)			
(i)	Cost Intensive Crops		
a)	Fruit crops like Grapes, Strawberry, Kiwi, Passion fruit, etc.	Rs. 1,00,000/ha	75% of the cost i.e. Rs. 75000/ha 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.
b)	Fruit crops like TC Banana & Pineapple	Rs. 1,00,000/ha	75% of the cost i.e. Rs. 75000/ha in 2 installments of 75:25
c)	Fruit crops like Banana sucker & Papaya	Rs. 70,000/ha	75% of the cost i.e. Rs. 52500/ha in 2 installments of 75:25
(ii)	High density planting (apple, pear, peach, mango, guava, litchi, ber, etc.)	Rs. 80,000/ha	75% of the cost i.e. Rs. 60000/ha 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.
(iii)	Fruit crops other than cost intensive crops using normal spacing	Rs. 40,000/ha	75% of the cost i.e. Rs. 30000/ha 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.
<b>II. Vegetable</b> (for maximum area of 2 ha per beneficiary)			
(i)	Open pollinated	Rs. 30,000/ha	75% of the cost i.e. Rs. 32500/ha.
(ii)	Hybrid	Rs. 45,000/ha	75% of the cost i.e. Rs. 33750/ha.
<b>III Mushroom</b>			
(i)	Integrated mushroom unit consisting of composting, spawn production unit and training	Rs.50 lakh/unit	100% of the project cost for public sector 50% for Private sector.

(ii)	Spawn making unit	Rs. 15 lakh/unit	100% of the cost to public sector and 50% of the cost to private sector.
(iii)	Compost making unit	Rs.20 lakh/unit.	100% of the cost to public sector 50% of the cost to private sector.
IV.	<b>Flowers</b> (for a maximum area of 2 ha per beneficiary)		
(i)	Cut flowers	Rs. 70,000/ha	75% of the cost i.e. Rs. 52500/ha. Provision of protected cultivation can also be availed in addition to the above.
(ii)	Bulbous flowers	Rs. 90,000/ha	75% of the cost i.e. Rs. 67500/ha. Provision of protected cultivation can also be availed in addition to the above.
(iii)	Loose Flowers	Rs. 24,000/ha	75% of the cost i.e. Rs. 18000/ha.
(iv)	Model Floriculture Centre	Rs. 100 lakh per centre	100% of the cost to public sector.
V.	<b>Spices</b> (for a maximum area of 4 ha per beneficiary)		
(i)	Seed spices and Rhizomatic spices	Rs. 25,000/ha	75% of the cost i.e. Rs. 18750/ha.
(ii)	Perennial spices (black pepper, cinnamon, clove and nutmeg)	Rs. 40,000/ha	75% of the cost i.e. Rs. 30000/ha.
(iii)	Cost intensive spices viz. Saffron	Rs. 80,000/ha	75% of the cost i.e. Rs. 60000/ha.
VI.	<b>Aromatic Plants</b> (for a maximum area of 4 ha per beneficiary)		
(i)	Cost intensive aromatic plants (patchouli, geranium, rosemary, etc.)	Rs. 75,000/ha	75% of the cost i.e. Rs.56250/ha.
(ii)	Other Aromatic Plants	Rs. 25,000/ha	75% of the cost i.e. Rs. 18750/ha.
<b>3.</b>	<b>Rejuvenation / Replacement of senile plantations</b>	Rs. 30000/ha	50% of the cost subject to a maximum of Rs. 15000/ha limited to 2 ha per beneficiary.
<b>4.</b>	<b>Creation of water sources</b>		
(i)	Community tank/on farm pond / on farm water reservoirs with use of plastic / RCC lining	Rs. 17.25 lakh/unit	100% of the cost for 10 ha of command area, with size of 100m x 100m x 3m or any other size depending upon pro rata basis, owned & managed by a community / farmer group. Cost for non-lined ponds/ tanks only in black cotton soils will be 33% less. Assistance under the mission will be restricted to the cost of plastic / RCC lining. However, for non NREGA beneficiaries, assistance on entire cost including construction of pond as well as lining can be availed
(ii)	Water harvesting system for individuals- for storage of water in 20mx20mx3m pond / tube wells / dug wells	Rs. 1.38 lakh / unit	75% of the cost i.e. Rs.1.03 lakh per beneficiary
<b>5.</b>	<b>Protected Cultivation</b>		
I	<b>Green House Structure</b>		
a)	Fan and pad system	Rs. 1465/Sq.m	50% of the cost limited to 1000 Sq.m per beneficiary
b)	Naturally ventilated system		
(i)	Tubular Structure	Rs. 935/ Sq.m	50% of the cost limited to 1000 Sq.m

			per beneficiary
(ii)	Wooden Structure	Rs. 515/ Sq.m	50% of the cost limited to 1000 Sq.m per beneficiary
(iii)	Bamboo Structure	Rs. 375/ Sq.m	50% of the cost limited to 1000 Sq.m per beneficiary
II	<b>Plastic Mulching</b>	Rs. 20,000 / ha	50% of the cost limited to 2 ha per beneficiary
III	<b>Shade Net House</b>		
(i)	Tubular Structure	Rs. 600/sq.m	50% of the cost limited to 1000 Sq.m per beneficiary
(ii)	Wooden Structure	Rs. 410/sq.m	50% of the cost limited to 1000 Sq.m per beneficiary
(iii)	Bamboo Structure	Rs. 300/Sq.m	50% of the cost limited to 1000 Sq.m per beneficiary
IV	<b>Plastic Tunnels</b>	Rs. 30/sq.m	50% of the cost limited to 5000 sq.m per beneficiary
V	<b>Anti Bird / Anti Hail Nets</b>	Rs. 20/Sq.m	50% of the cost limited to 5000 sq.m per beneficiary
VI	Cost of planting material of high value vegetables grown in poly house	Rs. 105/ sq.m	50% of the cost limited to 500 sq.m per beneficiary
VII	Cost of planting material of high value flowers for poly house	Rs.500/sq.m	50% of the cost limited to 500 sq.m per beneficiary
<b>6.</b>	<b>Precision Farming</b> development and extension through Precision Farming Development Centers (PFDCs)	Project based	100% of the cost to PFDCs
<b>7.</b>	<b>Promotion of INM/IPM</b>		
(i)	Sanitary and Phytosanitary Infrastructure (Public Sector)	Rs.500 lakh/unit	100% of the cost.
(ii)	Promotion of INM/IPM	Rs. 2000/ha	50% of cost subject to a maximum of Rs. 1000/ha limited to 4 ha/beneficiary.
(iii)	Disease forecasting unit (public sector)	Rs. 4 lakh/unit	100% of the cost
(iv)	Bio Control Lab	Rs. 80 lakh/unit	100% of the cost to public sector and 50% of the cost to private sector
(v)	Plant Health Clinics	Rs. 20 lakh/unit	100% of the cost to public sector and 50% of the cost to private sector
(vi)	Leaf / Tissue analysis labs.	Rs. 20 lakh/unit	100% of the cost to public sector and 50% of the cost 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 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 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'x4'2') to be administered on pro-rata basis.
<b>9.</b>	<b>Certification for GAP, including infrastructure</b>	Rs. 10,000 / ha	50% of the cost
<b>10.</b>	<b>Center of Excellence for Horticulture</b>	Rs. 500 lakh/centre	100% of the cost.
<b>11.</b>	<b>Pollination Support through Bee Keeping</b>		
(i)	Production of nucleus stock (Public Sector)	Rs. 10 lakh	100% of the cost.
(ii)	Production of bee colonies by bee breeder	Rs. 6 lakh	50% of cost for producing minimum of 2000 colonies / year
(iii)	Honey bee colony	Rs. 1400 per colony of 4 frames	50% of cost limited to 50 colonies / beneficiary
(iv)	Hives	Rs. 1600 per hive	50% of cost limited to 50 hives / beneficiary
(v)	Equipment including honey extractor (4 frame), food grade container (30 kg), net, etc.	Rs. 14,000 per set	50% of the cost limited to one set per beneficiary
<b>12.</b>	<b>Horticulture Mechanization</b>		
(i)	Power operated machines / tools including Power Saw and Plant Protection equipments etc.	Rs. 35,000/set	50% of cost limited to one set per beneficiary.
(ii)	Power Machines (upto 20BHP) with rotavator / equipment	Rs. 1.20 lakh/set	50% of cost limited to one set per beneficiary.
(iii)	Power machines (20 HP & above) including accessories / equipments	Rs. 3 lakh/set	50% of cost limited to one set per beneficiary.
(iv)	Import of new machines & Tools for horticulture for demonstration purpose (Public sector)	Rs. 50 lakh/machine	100% of the total cost
<b>13.</b>	<b>Human Resource development (HRD)</b>		
(i)	Training of Farmers including women		
a)	within the district	Rs. 400/day per farmer excluding transport.	100% of the cost
b)	Within the State	Rs. 750/day per farmer excluding transport	100% of the cost
c)	Outside the State	Rs. 1000/day per farmer excluding transport	100% of the cost
(ii)	Exposure visit of farmers including women		
a)	Within the district	Rs. 250/day	100% of the cost

		per farmer excluding transport	
b)	Within the State	Rs. 300/day per farmer excluding transport	100% of the cost.
c)	Outside the State	Rs. 600/day per farmer excluding transport.	100% of the cost
d)	Outside India	Rs. 3 lakh/ participant	Project based. 100% of air /rail travel cost
(iii)	Training / study tour of Technical officers / field functionaries involved in implementation of the scheme at central / state level including women		
a)	within the State	Rs.200/day per participant plus TA/DA, as admissible.	100% of the cost.
b)	Study tour /training in progressive states / units (group of minimum 5 participants) including women	Rs.650/day per participant plus TA/DA, as admissible	100% of the cost
c)	Outside India	Rs. 5 lakh/ participant	100% of the cost on actual basis.
(iv)	Information dissemination through publicity, printed literature etc and local advertisements	Rs. 0.40 lakh per block	100% of the total cost
(v)	Development of technology packages in electronic form to be shared through IT network	Rs. 1.00 lakh per district	100% of the total cost
(vi)	Technical Collaboration with International agencies like FAO, World bank etc	Project based, on actual cost	100% assistance.
<b>14. Special Interventions</b>			
I.	Special interventions: such as land development, transportation on case to case basis (from farm-gate to processing units / market places and transportation centers) projects of need based.	Rs. 200 lakh	Project based and restricted to 10% of outlay for the State proposal under the scheme.
II.	Tackling of emergent/unforeseen requirements of State Government/ implementing agencies	Rs. 10 lakh	100% of the total cost.
<b>15. Mission Management</b>			
(i)	Project management including additional manpower & project	Project based	100% assistance

	preparation cost, Institutional strengthening, hire / purchase of vehicle, hardware / software etc.		
(ii)	Technical Support Group (TSG) at Head Quarter at TM Cell and at SHM	Project based	100% of the total cost
(iii)	Seminars, Conferences, exhibitions, Kissan Mela, Horti. Expo, Honey Festivals etc.		
a)	State Level Event	Maximum of Rs.3 lakh/ event	100% of cost limited to Rs. 3.00 lakh per event to public sector / State Governments / SAUs / Research institutions / Recognized Growers Association by MOA
b)	District Level Event	Maximum of Rs.2 lakh/ event	100% of cost limited to Rs. 2.00 lakh per event to public sector / State Governments / SAUs / Research institutions / Recognized Growers Association by MOA
<b>16.</b>	<b>Support to Technology Mission Cell at DAC HQ</b>		
(i)	Technical Support Group i.e. evaluation/monitoring/printing campaign/data base generation/ services/ infrastructure to TM cells /other misc. activities etc.	Project based	100% of the cost, maximum limit of Rs. 500.00 lakh
<b>C. Mini Mission – III</b>			
<b>1. Post Harvest Management</b>			
(i)	On farm collection and sorting unit (pack house)	Rs. 3 lakh/unit with size of 9Mx6M	50% of the capital cost
(ii)	Pre-cooling unit	Rs. 15 lakh for 6MT capacity	Credit linked back-ended subsidy @ 50% of the cost of project.
(iii)	Mobile pre cooling unit	Rs. 24 lakh/ unit for 5 MT capacity	Credit linked back-ended subsidy @ 50% of the cost of project.
(iv)	Cold storage units (construction / expansion / Modernization) with insulation, humidity control, fin foil cooling system with multi chamber	Rs. 6000/MT for 5000 MT capacity	Credit linked back-ended subsidy @ 50% of the cost of project.
(v)	Integrated CA chamber with facilities like pre cooling, cleaning, sorting & grading etc.	Rs. 70,000/MT for maximum up to 5000 MT capacity	Credit linked back-ended subsidy @ 50% of the cost of project.
(vi)	C.A Storage units	Rs. 32,000/MT for 5000 MT capacity	Credit linked back-ended subsidy @ 50% of the capital cost of project.
(vii)	Reefer vans / containers	Rs. 24 lakh/unit for 6 MT capacity	Credit linked back-ended subsidy @ 50% of the cost of project.
(viii)	Primary/Mobile /Minimal processing unit	Rs. 24 lakh/unit.	Credit linked back-ended subsidy @ 50% of the cost of project.



(ix)	Ripening chamber	Rs. 6000/MT for 5000 MT capacity	50% of the cost of project.
(x)	Evaporative / low energy cool chamber (8 MT)	Rs. 4.00 lakh per unit	50% of the total cost.
(xi)	Preservation unit (low cost)	Rs. 2.00 lakh/unit for new unit and Rs. 1.00 lakh/unit for upgradation	50% of the total cost.
(xii)	Low cost onion storage structure (25 MT)	Rs. 1.00 lakh / unit	50% of the total cost.
(xiii)	Pusa Zero energy cool chamber (100 kg)	Rs. 4000 / unit	50% of the total cost
(xiv)	Integrated project on production and post harvest management of horticultural crops.	Rs.50.00 lakh	50% of the project cost
<b>2. Establishment of Marketing Infrastructure for horticultural produce in Govt./ Private / Cooperative sector</b>			
(i)	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.
(ii)	Wholesale Markets	Rs. 100 crore	Credit linked back-ended subsidy @ 33.33% of the capital cost of the project.
(iii)	Rural Markets / Apni mandies/Direct markets	Rs. 20.00 lakh/unit	50% of the capital cost.
(iv)	Retail Markets / outlets (environmentally controlled)	Rs. 10.00 lakh / unit	50% of the capital cost.
(v)	Static / Mobile Vending Cart / platform with cool chamber.	30,000/unit	50% of the total cost.
(vi)	Functional Infrastructure:		
a)	For collection, grading, etc.	Rs. 15 lakh	50% of the total cost.
b)	Quality control/analysis lab	Rs. 200 lakh	100% of the total cost to public sector and 50% of the cost to private sector.
(vii)	Market extension, quality awareness & market led extension activities for fresh products	Rs. 3 lakh/event	100% assistance to State Government /SHM/ Public Sector Agencies

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