

Proposed AAP of State Horticulture Mission, Uttar Pradesh
under Sub Plan Mission for Integrated Development of Horticulture

(Fin. in lac ₹)

S.N.	Crop	Unit	Max. permissible Cost	Pattern of Assistance	NHM Share		2016-17	
					%	Max.Limit ₹	Target	
							Phy	Fin
1	PLANTATION INFRASTRUCTURE DEVELOPMENT							
	Production of planting material							
1.1	Small Nursery (Public sector)	ha	15 lac/ha	100% to Public sector	100	1500000	1	15.000
1.2	Small Nursery (Private sector)	ha	15 lac/ha	40% to Private sector (Back-ended)	40	600000		
1.3	Upgrading nursery infrastructure to meet accreditation norm (Public sector) incl. liabilities	ha	10 lac/Nursery of 4.0 ha on pro-rata basis	100% to Public sector	100	250000	20	50.000
1.4	Upgrading nursery infrastructure to meet accreditation norm (Private sector)	ha	10 lac/Nursery of 4.0 ha on pro-rata basis	50% to Private sector	50	125000	4	5.000
1.5	Strengthening of existing Tissue culture (TC) unit (Public Sector)	No	20 lac/unit	100% to Public sector	100	2000000		
1.6	Setting up of New TC lab							
	Public sector (Liability)	No	250 lac/unit	100% to Public sector	100	25000000	1	50.000
	Private sector	No	250 lac/unit	100% to Public sector	40	10000000	2	200.000
1.6	Seed Production for Vegetables and spices							
	a) Open pollinated crops							
	Public sector	ha	0.35 lac/ha	100% to Public sector	100	35000	300	105.000
	Private Sector	ha	0.35 lac/ha	35% to Private sector	35	12250	200	24.500
	b) Seed infrastructure (for handling, processing packing, storage etc. of seeds meant for use as seed material for cultivation of horticulture crops)							
	b.1) Public sector	No.	200 lac/unit	100% to Public sector	100	20000000		
	b.2) Private sector (incl. Liability)	No.	200 lac/unit	Credit linked back ended subsidy @ 50% of cost of project	50	10000000	2	200.000
	Sub Total (1.1 - 1.6)						530	649.500

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1.7	Establishment of New Garden (Maximum area of 4 ha/beneficiary)							
	b) Banana (TC) without integration in 2 installment (75:25) Spacing 1.80 mx1.80 m	ha	Rs. 1,02,462/ha	40% of unit cost for meeting the expenditure on planting material and cost of material for IPM/INM In 2 installment (75:25)	75	30738.00	1000	307.380
	g) Fruit crops other than cost intensive crops using normal spacing, without Integration.							
	i) Mango (Spacing 10m x 10m)	ha	Rs. 25,500/ ha	50% of unit cost for meeting the expenditure on planting material and cost of material for IPM/INM in 3 Installment (60:20:20) Subject to survival rate of 75% in IInd year & 90% in IIIrd year	60	7650	150	11.475
	ii) Guava (Spacing 6m x 6m)	ha	Rs. 38,340/ ha		60	11502	200	23.004
	iii) Litchi (Spacing 10m x 10m)	ha	Rs. 28,000/ ha		60	8400	50	4.200
	iv) Aonla (Spacing 6m x 6m)	ha	Rs. 40,008/ ha		60	12002	50	6.001
	v) Mandarine/Orange (Spacing 6m x 6m)	ha	Rs. 40,008/ ha		60	12002	25	3.001
	vi) Sweet Orange (Spacing 6m x 6m)	ha	Rs. 40,008/ ha		60	12002	25	3.001
	vii) Pomegranate (Spacing 5m x 5m)	ha	Rs. 48,000/ ha		60	14400	25	3.600
	viii) Papaya (Spacing 1.8m x 1.8m)	ha	Rs. 61655/ ha	40% of unit cost for meeting the expenditure on planting material and cost	75	23120	50	11.560
	Sub Total (1.7)						1575	373.221
1.8	Maintenances of Orchards 2nd year as per old cost norms							
	b) Banana (TC) without integration in 2 installment (75:25) Spacing	ha	Rs. 1,02,462/ha	40% of unit cost for meeting the expenditure on planting material and cost of material for IPM/INM In 2	20	10246	1470	150.616
	e) Fruit crops other than cost intensive crops using normal spacing, without Integration.							
	i) Mango (Spacing 10m x 10m)	ha	Rs. 25,500/ ha	50% of unit cost for meeting the expenditure on planting material and cost of material for IPM/INM in 3 Installment (60:20:20) Subject to survival rate of 75% in IInd year & 90% in IIIrd year	20	2550	409	10.430
	ii) Guava (Spacing 6m x 6m)	ha	Rs. 38,340/ ha		20	3834	405	15.528
	iii) Litchi (Spacing 10m x 10m)	ha	Rs. 28,000/ ha		20	2800	100	2.800
	iv) Aonla (Spacing 6m x 6m)	ha	Rs. 40,008/ ha		20	4000.0	104	4.160
	v) Mandarine/Orange (Spacing 6m x 6m)	ha	Rs. 40,008/ ha		20	4000.0	65	2.600
	vi) Sweet Orange (Spacing 6m x 6m)	ha	Rs. 40,008/ ha		20	4000.0	8	0.320
	vii) Pomegranate (Spacing 5m x 5m)	ha	Rs. 48,000/ ha		20	4000.0	20	0.800
	viii) Papaya (Spacing 1.8m x 1.8m)	ha	Rs. 61655/ ha		20	6155.0	5	0.308
	Sub Total (1.8)						2586	187.561

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1.9	Maintainence of Orchard 3rd year as per old cost norms							
	c) Ultra high density of guava (Meadow orchard) with integrated package with drip irrigation Spacing 1.50 mx 3.00 m	ha	Rs. 1,70,060/ ha	40% of unit cost for meeting the expenditure on planting material, drip irrigation and cost of material for IPM/INM in 3 Installment (60:20:20) Subject to survival rate of 75% in IInd year & 90% in IIIrd year	20	13604.8	15.5	2.109
	d) High density planting of guava with integrated package with drip irrigation In 3 Installment (60:20:20) Subject ot survival rate of 75% in 2nd year & 90% in 3rd year Spacing 3.00 mx3.00 m	ha	Rs. 1,31,730/ ha	40% of unit cost for meeting the expenditure on planting material, drip irrigation and cost of material for IPM/INM in 3 Installment (60:20:20) Subject to survival rate of 75% in IInd year & 90% in IIIrd year	20	10538.4	18	1.897
	c) Fruit crops other than cost							
	i) Mango (Spacing 10m x 10m)	ha	Rs. 25,500/ ha	75% of cost for meeting the expenditure on planting material and cost of INM/IPM etc.in 3 installments of 60:20:20 subject to survival rate of 75% in 2nd year and 90% in 3rd year for perrinial crpos.	20	3300	404	13.345
	ii) Guava (Spacing 6m x 6m)	ha	Rs. 38,340/ ha		20	3525	268	9.429
	iii) Litchi (Spacing 10m x 10m)	ha	Rs. 28,000/ ha		20	3292.60	50	1.646
	iv) Aonla (Spacing 6m x 6m)	ha	Rs. 40,008/ ha		20	2842.60	137	3.889
	v) Ber/Bael/Citrus (Spacing 6m x 6m)	ha	18,950/- ha		20	2842.50	71	2.018
	v) Custard Apple (Spacing 6m x 6m)	ha	21,950/- ha		20	3292.50	10	0.329
	Sub Total (1.9)						973	34.663
	Sub Total (1.7+ 1.8 + 1.9)						5134	595.445
2	Mushroom							
	a) Production unit							
	Private sector <i>(incl. Liability)</i>	No.	20.00 lac/Unit	40% of cost for meeting the expenditure on infrastructure as credit linked back ended subsidy	40	800000	4	32.000
	b) Spawn making unit							
	Pirvate Sector <i>(incl. Liability)</i>	No.	15 lac/ unit	40% of cost for meeting the expenditure on infrastructure as credit linked back ended subsidy	40	600000	4	24.000

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	c) Compost making unit							
	Pirvate Sector <i>(incl. Liability)</i>	No.	20 lac/ unit	40% of cost for meeting the expenditure on infrastructure as credit linked back ended subsidy	40	800000	4	32.000
	Sub Total (2)							88.000
3	Flowers (For a maximum of 2 ha per beneficiary)							
	i) Bulbous Flowers			40% of the cost for small & marginal farmers and 25% of cost for to other category farmers				
	a) Small & marginal farmers	ha	1.50 lac/ha		40	60000	100	60.000
	b) Other farmers	ha	1.50 lac/ha		25	37500	50	18.750
	ii) Loose Flowers							
	a) Small & marginal farmer	ha	0.40 lac/ha		40	16000	100	16.000
	b) Other farmers	ha	0.40 lac/ha		40	10000	50	5.000
	iii) Cut Flowers							
	a) Small & marginal farmer	ha	1.00 lac/ha		40	40000	100	40.000
	b) Other farmers	ha	1.00 lac/ha	25	25000	50	12.500	
	Sub Total (3)						450	152.250
4	Spices (For a maximum area of 4 ha per beneficiary)							
	Seed spice and Rhizomatic spices.			Max. of Rs. 12,000 per ha (40% of cost) for meeting the expenditure on planting material and cost of material for INM/IPM etc.				
	Turmeric	ha	0.30 lac/ hac		40	12000	50	6.000
	Garlic	ha	0.30 lac/ hac		40	12000	500	60.000
	Onion	ha	0.30 lac/ hac		40	12000	800	96.000
	Chillie	ha	0.30 lac/ hac		40	12000	200	24.000
	Sub Total (4)						1550	186.000
6	Rejuvenation/Repl.of senile plantations, Canopy Management							
	Guava/Mango/Aonla	ha	Rs. 0.40 lac/ha	50% of the total cost subject to a	50	20000	250	50.000
7	Protected Cultivation (Incl. liabilities)							
7.1	Green House Structure							
	(a) Fan & Pad system							
	Tubular structure							
	a) Up to area 500 sq/m	sq.m	Rs. 1650/Sq.m	50% of cost limited to 4000 sqm per benef	50	825		
	b) (>500 Sq.m up to 1008 Sq.m)	sq.m	Rs. 1465/Sq.m		50	732.50	1008	7.384

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	c) (>1008 Sq.m up to 2080 Sq.m)	sq.m	Rs. 1420/Sq.m	50% of cost limited to 4000 sqm per benef.	50	710	4000	28.400
	d) (>2080 Sq.m up to 4000 Sq.m)	sq.m	Rs. 1400/Sq.m		50	700	12000	84.000
	b) Naturally ventilated system (Incl. liabilities)							
	Tubular structure							
	a) Up to area 500 sq/m	sq.m	Rs. 1060/sq.m	50% of cost limited to 4000 sqm per benef.	50	530	4000	21.200
	b) (>500 Sq.m up to 1008 Sq.m)	sq.m	Rs. 935/sq.m		50	467.50	45000	210.375
	c) (>1008 Sq.m up to 2080 Sq.m)	sq.m	Rs. 890/sq.m		50	445	80000	356.000
	d) (>2080 Sq.m up to 4000 Sq.m)	sq.m	Rs. 844/sq.m		50	422	175000	738.500
	e) Cost of planting material of high value vegetable grown in poly house	sq.m	Rs. 140/sq.m		50	70	60000	42.000
	f) Cost of planting material & cultivation of rose under poly house/shade net house	sq.m	Rs. 426/sq.m		50	213	86000	183.180
	g) Cost of planting material & cultivation of carnation & Gerbera under poly house/shade net house	sq.m	Rs. 610/sq.m	50	305	230000	701.500	
7.2	Shade Net House (Incl. liabilities)							
	i) Tubular structure	sq.m	Rs.710/sq.m	50	355	100000	355.000	
	Sub Total (7.1 to 7.4)						797008	2727.539
8	Promotion of Integrated Nutrient Management (INM) Integrated Pest Management (IPM)							
	i) Promotion of IPM/INM	ha	Rs. 4000/ ha	30% of cost subject to a maximum of Rs. 1200 per ha. Limited of 4.0 ha per	30	1200	1000	12.000
	Sub Total (8)							12.000
9	Organic Farming							
(i)	(i) Adoption of Organic Farming. 1st Year	ha	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	50	4000.00		10.00

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(ii)	(i) Organic Certification. 1st Year	Cluster nos	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.	50	150000		
	Vermi Compost Unit- Permanent Structure	Unit	Rs. 1.00 lac/unit	50% of cost conforming to the size of unit of 30'X8'X2.5' dimension of permanent structure to be administered on pro-rata	50	50000	60	30
	HDPE vermi bed	Unit	Rs. 16000/unit	50% of cost conforming to the size of 96 sq.ft. Size 12x4x2ft & IS-15907-2010 to be	50	8000	225	18
	Sub Total (9)						285	58.000
10	Centre of Excellence							
	Centre of Excellence for Horticulture	no	Rs.1000 lakh/ centre	100% of cost to public sector. This can be established through bi-lateral co-operation also.	100	100000000	4	1920
	Sub Total (10)							1920.000
11	Pollination support through beekeeping							
	i) Honey bee colony		Rs. 2000/ colony of 8	40% of cost limited to 50 colonies per benef.	40	800	4500	36.000
	ii) Bee Hives		Rs. 2000/ per hive		40	800	4500	36.000
	iii) Equipment including honey extractor (4 frame), food grade		Rs. 20,000/set	40% of cost limited to ONE set per benef.	40	8000	90	7.200
	Sub Total (11)							79.200
12.1	Horticulture Machanization							
	i) Tractor upto 20 BHP (for SMF/SC/ST/Women)	No	Rs. 3.00 lac/unit	25% of cost subject to maximum of 0.75 lac per unit for gen. category farmers and in case if SC/ST/S&M F/Women farmers 35% of cost subject to a maximum of Rs. 1.00 lac per unit	35	100000	75	75.000
	ii) Tractor upto 20 BHP (For Gen. category)	No	Rs. 3.00 lac/unit		25	75000	30	22.500
	iii) Power tiller (below 8 BHP) (For SMF/SC/ST/Women)	No	Rs. 1.00 lac/unit	Subject to maximum of 0.40 lac per unit for gen. category farmers and in case if SC/ST/S&M F/Women farmers subject to a maximum of Rs. 0.50 lac per unit	50	50000	20	10.000
	iv) Power tiller (below 8 BHP) (For Gen. category)	No	Rs. 1.00 lac/unit		40	40000	15	6.000
	v) Power tiller (8 BHP and above) (for SMF/SC/ST/Women)	No	Rs. 1.50 lac/unit	Subject to maximum of 0.60 lac per unit for gen. category farmers and in case if SC/ST/S&M F/Women farmers subject to a maximum of Rs. 0.75 lac per unit	50	75000	80	60.000
	vii) Power tiller (8 BHP and above)(For Gen. category)	No	Rs. 1.50 lac/unit		40	60000	30	18.000

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12.2	Plant Protection Equipments							
	a) Tractor mounted/ Powered sprayer (above 35 BHP) (for SMF/SC/ST/Women)	No	Rs. 1.26 lac/unit	Subject to maximum of 0.5 lac per unit for gen. category farmers and in case if SC/ST/S&M F/Women farmers subject to a maximum of Rs. 0.63lac per unit	50	63000	10	6.300
	b) Tractor mounted/ Powered sprayer (below 20 BHP) (For Gen. category)	No	Rs. 1.26 lac/unit		40	50000	10	5.000
	Liabilities Power Machine Above 20 HP with rotavator/equip. ,2012-13 (Old Norms)	No	Rs. 3.00 lac/unit	50% of total cost	50	150000	17	25.500
	Sub Total (12.1+12.2)							228.300
13	Technology dissemination through demonstration /Front Line Demonstration							
	a)Public Sector	No.	Rs.25.00lac/unit		100	2500000	4	100.000
14	Human Resource Development (HRD)							
14.2	Training of farmers							
	a) Within the State		Rs. 1000/Day per farmer	100% of the cost	100	2000	4500	90.000
	b) Outside the state		Project based as per	100% of the cost	100	7000		20.000
14.3	Exposure visit of farmes							
	Outside the state		Project based as per actual	100% of the cost	100	4200		100.000
14.4	Training/Study tour of technical staff/field functioneries							
	With in the State		Rs. 300/day per participant+TA/DA as	100% of the cost	100	2000		5.000
	Study tour to progressive State/Unit (Group of minimum 5 participants)		Rs. 800/day per participant+TA/DA, as admissible	100% of the cost	100	6000		20.000
	Sub total (12.1 - 12.2)							235.000
	Sub Total (Pre Harvest)							7081.233

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15	INTEGRATED POST HARVEST MANAGEMENT							
15.1	Functional Pack house/ on farm collection unit	No.	Rs. 4.00 lakh/unit with size of 9Mx6M	50% of capital cost	50	200000	20	40.000
15.2	Integrated pack house with facilities for conveyer belt, sorting, grading units, washing, drying and weighing.	No.	Rs. 50.00 lakh per unit with size of 9Mx18M	Credit linked back ended subsidy @ 35% of the cost of project per beneficiary	35	1750000	3	52.500
15.3	Cold room (staging)	No.	Rs. 15.00 lakh/ unit of 30 MT capacity	Credit linked back ended subsidy @ 35% of the cost of project per beneficiary	35	525000		
15.4	Mobile pre cooling unit	No.	Rs. 25.00 lakh/ unit		35	875000		
15.5	Cold Storage (Construction, Expansion and Modernization)							
	i) Cold storage units type 1- basic mezzanine structure with large chamber (of >250 MT) tpye with single temperature zone	No.	Rs. 8,000/MT. (max 5,000 MT capacity)	Credit linked back ended subsidy @ 35% of the cost of project per beneficiary	35	14000000	10	1225.000
15.6	Technology induction and modernisation of cold-chain	No.	Rs. 250 lac/unit	Credit linked back ended subsidy @ 35% of the cost of project per beneficiary Max Rs. 250 lac for modernization of PLC equipment, farm code leveling, dock levelers, advanced graders, alternate technologies, stacking systems, modernization of insulation	35	8750000	3	250.000
15.7	Refer Van	No.	Rs. 26.00lakh for 9MT (Pro-rata basis for lesser capacity but not below 4MT)	Credit linked back ended subsidy @ 35% of the capital cost of project per beneficiary	35	910000	10	91.000
15.7	Primary/ Mobile/ Minimal processing unit	No.	Rs. 25.00lakh/unit	Credit linked back ended subsidy @ 40% of the capital cost of project per beneficiary	40	1000000	2	20.000
15.8	Ripening chamber	MT	Rs. 1.00 lakh/MT.	Credit linked back ended subsidy @ 35% of the cost of project for a maximum of 300 MT per beneficiary	35	35000	300	105.000

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15.9	Integrated Cold Chain	No.	Rs. 600 lakh/Unit	Credit linked back ended subsidy @ 35% of the cost of project for a maximum of Rs. 175 lacs per beneficiary	35	17500000	1	175.000
15.10	Preservation unit (low cost)							
	i) New Unit	No.	Rs. 2.00 lakh/unit for new	50% of the total cost	50	100000	20	20.000
	ii) Upgradation	No.	and Rs. 1.00 lakh/unit for		50	50000	10	5.000
15.11	Low cost onion storage structure (25 MT) + Liabilities	No.	Rs. 1.75 lakh/ unit	50% of the total cost	50	87500	20	17.500
	Sub Total (Post Harvest)							2001.000
	Programme Total							9082.233
16	Institutional Strengthening, hire/purchase of 3 vehicles , hardware/software		Project based	100%	100			
17	Information dissemination through publicity, printed literature etc and		Rs. 0.40 lakh/block (225 blocks)	100%	100	40000	350	140.000
18	Seminars conferences, workshops,			100%	100			
	a) State level	No.	Rs. 3.00 lakh/event	100%	100	300000	20	60.000
	b) District level	No.	Rs. 2.00 lakh/event	100%	100	200000	45	90.000
19	Technical support group (TSG) at state level for hiring experts/staff,		Project bassed, subject to a ceiling of Rs. 50.00 lakh	100%	100			27.305
20	Mission Management							
	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)/	100%	100			454.112
	Sub Total (16 - 20)							771.417
	Grand Total (1-14) + (15) + (16-20)							9853.650