ABSTRACT

Agriculture – Farmers Welfare - Horticulture – Krishonnati Yojana – Mission for Integrated Development of Horticulture – Annual Action Plan 2025-26 – Release of Mother Sanction of Rs. 4100.000 lakh by the Government of India - To accord the Administrative sanction for the amount of Rs.13666.667 lakh - To accord the Financial sanction and release of Rs.6833.334 lakh (Government of India share of Rs.4100.000 lakh and state share of Rs.2733.334 lakh) as First Instalment fund - Accorded – Orders issued.

AGRICULTURE - FARMERS WELFARE [H1(1)] DEPARTMENT

G.O.(Ms.) No.167 **Dated:11.06.2025**

திருவள்ளுவர் ஆண்டு 2056
விசுவாவசு வருடம்,
வைகாசி 28-ஆம் நாள்

Read again:

1. Ministry of Agriculture & Farmers Welfare, Government of India Letter No.F.No.03/17/2025-KY, dated 30.12.2024
2. Government Letter No.9330553/AP1/2025-8 Dated 24.01.2025
3. Ministry of Agriculture & Farmers Welfare, Government of India Letter No.F.No.03/17/2025-KY, Dated 04.04.2025
4. Ministry / Department of Agriculture, Government of India Letter No. F.No.28 (TN 14) Dated 10.04.2025.

Read also:

5. From the Director of Horticulture and Plantation Crops Letter No.NHM1/8066/2024, dated 16.05.2025.

ORDER:-

In the letter first read above, the Government of India has communicated the annual allocation of Rs.82.00 Cr (Government of India share) for Tamil Nadu under Mission for Integrated Development of Horticulture - National Horticulture Mission - Annual Action Plan for the year 2025-26.

2) In the letter second read above, the State Level Sanctioning Committee has approved the Annual Action Plan under Mission for Integrated Development of Horticulture – National Horticulture Mission - 2025-2026 for an amount of Rs.171.00 Cr.

3) In the letter third read above, the Government of India has approved the Annual Action Plan under Mission for Integrated Development of Horticulture – National Horticulture Mission - 2025-2026 for an amount of Rs.170.83 Cr and also provided the financial approval for the total approved outlay for the component MIDH to the cost of Rs.13666.667 lakh.

4) In the letter fourth read above, the Government of India has sanctioned an amount of Rs.4100.00 lakh under General, Scheduled Caste Sub Plan, Tribal Sub Plan and Tribal Sub Plan – Dharti Aaba Janjatiya Gram Utkarsh Abhiyan (DAJGUA) Category as a drawing limit in the form of Mother sanction during the Financial Year 2025-26 for Tamil Nadu state for the release of Central share under SLS TN-14 of CSS 4138 – Krishonnati Yojana.

5) In the letter fifth read above, the Director of Horticulture and Plantation Crops has stated that, while presenting the Agriculture Budget on the floor of Legislative Assembly on 15.03.2025 and during the Agriculture – Farmers' Welfare demand on 02.04.2025, the Hon'ble Minister for Agriculture and Farmers' Welfare has made the following announcements relating to Department of Horticulture and Plantation Crops in which the announcements pertaining to Mission for Integrated Development of Horticulture - National Horticulture Mission Scheme have also been included and also stated that the Government of India has also approved the implementation of Dharti Aaba Janjatiya Gram Utkarsh Abhiyan (DAJGUA) under National Horticulture Mission, providing 90% assistance for tribal farmers having FRA patta. The funding pattern of the scheme is 60:40 between Central and State.

Sl. No.	Ann. No.	Announcement	Amount Announced (Rs. In Crore)	NHM component which is covered under the announcement
	Budget Announcement			
1	4	**Hill Farmers Development Scheme**	22.80	1. Assistance to TSP farmers – Rs.0.40 Crore 2. Assistance to FRA patta holding TSP farmers – Rs.1.08 Crore **Total – Rs.1.48 Crore**
2	7	**Chief Minister's Mannuyir Kaathu Mannuyir Kaapom Scheme**	142.00	Permanent Vermicompost Unit – Rs.2.50 Crore **Total – Rs.2.50 Crore**
3	25	**Nutrient Farming Mission**	125.00	1. Area Expansion of Hybrid Vegetables – Rs.5.60 Crore 2. Area Expansion of Fruits (Dragon Fruit, Pineapple (sucker), Banana (sucker and TC), Fig, Mangosteen, Rambutan, Papaya, Sapota, Amla, Mango (HDP), Guava (HDP), Acid lime, Mandarin Orange, Litchi and Sweet orange) – Rs.10.71 Crore 3. Mushroom Production Unit – Rs.0.60 Crore 4. Mobile Vending Cart – Rs.6.00 Crore **Total – Rs.22.91 Crore**

4	27	**Summer Crop Plan**	10.50	Area Expansion of Hybrid Vegetables – Rs.0.48 Crore **Total – Rs.0.48 Crore**
5	30	**Promotion of Post Harvest Management**	18.00	Low Cost Onion Storage Structures – Rs.18.00 Crore **Total – Rs.18.00 Crore**
6	31	**Promotion of Flower cultivation for regular income** (including Special Scheme for Jasmine and Special Scheme for Scented Rose Cultivation)	11.11	1. Area Expansion of Loose Flowers – Rs.0.456 Crore 2. Area Expansion of Bulbous Flowers – Rs.3.00 Crore 3. Area Expansion of Jasmine – Rs.0.72 Crore 4. Area Expansion of Rose – Rs.0.024 Crore **Total – Rs.4.20 Crore**
7	32	**Special Scheme for Spices and Condiments**	11.74	1. Area Expansion of Seed Spices (Red Chillies, Coriander) – Rs.1.20 Crore 2. Area Expansion of Rhizomatic Spices (Turmeric, Ginger, Garlic) – Rs.2.592 Crore 3. Area Expansion of Perennial Spices (Clove, Nutmeg, Cinnamon, Pepper, Cardamom, Curry leaf) – Rs.2.376 Crore **Total – Rs.6.168 Crore**
8	33	**Tamil Nadu Cashew Board**	10.00	1. Area expansion of Cashew – Rs.0.36 Crore 2. Rejuvenation – Rs.4.97 Crore 3. Minimal Processing unit – Rs.0.3675 Crore 4. Cashew Cutting Machine – Rs.0.12 Crore 5. Cashew Separator – Rs.0.15 Crore **Total – Rs.5.9675 Crore**
9	35	**Jackfruit Development Mission**	5.00	1. Area Expansion of Jack – Rs.0.36 Crore 2. Promotion of Jack (Introduction of new commercial varieties) – Rs.0.36 Crore 3. Minimal Processing Unit – Rs.0.245 Crore 4. Front Line Demonstration – Rs.0.50 Crore 5. District Level Seminar – Rs.0.42 Crore **Total – Rs.1.885 Crore**

10	36	**Promotion of Avocado cultivation**	0.69	Area Expansion of Avocado – Rs.0.60 Crore **Total – Rs.0.60 Crore**
	Demand Announcement			
11	8	**In order to produce vegetable seedlings in large quantities and distribute to farmers, nursery structures will be established with a financial allocation of one crore rupees through the Horticulture Department.**	1.00	1. Large Nursery (Public) – Rs.0.60 Crore 2. Small Nursery (Public) – Rs. 0.40 Crore **Total – Rs.1.00 Crore**
12	9	**To prevent mangoes from being wasted during peak seasons and enable farmers to fetch more income, a financial allocation of Rs. 98.00 lakh will be made for the establishment of Mango pulp production units. Credit linked back ended subsidy assistance of Rs. 12.25 lakh/ unit will be provided for eight number of beneficiaries.**	0.98	Minimal Processing Unit – Rs.0.98 Crore **Total – Rs.0.98 Crore**

6) In the letter fifth read above, the Director of Horticulture and Plantation Crops has requested the Government to issue orders for the following:-

- To accord the Administrative Sanction for the total amount of Rs.13666.667 lakh and financial sanction and release of Rs.6833.334 lakh (Government of India share of Rs.4100.000 lakh and state share of Rs. 2733.334 lakh) as First Instalment fund towards implementation of Krishnonnati Yojana - Mission for Integrated Development of Horticulture (KY- MIDH) for executing the Annual Action Plan 2025-26 through SNA SPARSH module and for the committed liabilities of the previous years (2022-23, 2023-24 and 2024-25)
- To authorize the Director of Horticulture and Plantation Crops to utilize the fund for the committed liabilities of previous year (2022-23, 2023-24 and 2024-25) as listed in the Annexure – I.
- To authorize the Director of Horticulture and Plantation Crops to change the components as per the requirements as listed in the Annexure – II.
- To implement the scheme as per the implementation guidelines enclosed in the Annexure – III.
- To authorize the Director of Horticulture and Plantation Crops to implement Dharti Aaba Janjatiya Gram Utkarsh Abhiyan (DAJGUA) under National Horticulture Mission for the financial year 2025-26.

7) After careful examination of the proposal of the Director of Horticulture and Plantation Crops, the Government hereby accord the Administrative Sanction for the total amount of **Rs.136,66,66,700/-** (Rupees. One Hundred and Thirty Six Crore Sixty Six Lakh Sixty Six Thousand Seven Hundred only) and financial sanction and release of **Rs.68,33,33,400/-** (Rupees Sixty Eight Crore Thirty Three Lakh Thirty Three Thousand Four Hundred only) (Government of India share of Rs.4100.000 lakh and state share of Rs. 2733.334 lakh) as First Instalment fund towards implementation of Krishnonnati Yojana - Mission for Integrated Development of Horticulture (KY - MIDH) for executing the Annual Action Plan 2025-26 through SNA SPARSH module as per Annexure II and for the committed liabilities of the previous years (2022-23, 2023-24 and 2024-25) as per Annexure I.

8) The detailed abstract of component wise fund allocation for the implementation of Mission for Integrated Development of Horticulture under Krishonnati Yojana for the year 2025-2026 in Tamil Nadu is given in Annexure - II to this order.

9) The expenditure sanctioned in Para-07 above, shall be debited in the following Head of Accounts:-

Sl. No	**Category**	**Detailed head**	**Amt sanctioned in 1st instalment (Rs. In lakh)**
1	General	2401 – 00 - CROP HUSBANDRY – 119 - Horticulture and Vegetable crops schemes shared between State and Centre – UG – Assistance to TANHODA under National Horticulture Mission - 311 Subsidies – 01 Individual Based Subsidy (IFHRMS DPC 2401-00-119-UG-31101)	5390.817
2	SCSP	2401 – 00 - CROP HUSBANDRY – 793 - Special Central Assistance for Scheduled Caste component Plan – Schemes shared between State and Centre – UQ - Assistance to TANHODA under National Horticulture Mission - 311 Subsidies – 01 Individual Based Subsidy (IFHRMS DPC 2401-00-793-UQ-31101)	1367.350
3	TSP	2401 – 00 - CROP HUSBANDRY – 794 - Special Central Assistance for Tribal Sub-Plan – Schemes shared between State and Centre – UL - Assistance to TANHODA under National Horticulture Mission - 311 Subsidies – 01 Individual Based Subsidy (IFHRMS DPC 2401-00-794-UL-31101)	50.167

4	TSP – DAJGUA	2401 – 00 - CROP HUSBANDRY – 794 - Special Central Assistance for Tribal Sub-Plan – Schemes shared between State and Centre – WP - Dharti Aaba Janjatiya Gram Utkarsh Abhiyan (DAJGUA) under PM-RKVY Cafeteria Schemes (National Horticulture Mission) –309 Grant-in-aid – 03 Grants for Specific Schemes (IFHRMS DPC 2401-00-794-WP-30903)	25.000
		Grand Total	**6833.334**

10) Necessary additional funds of Rs.25,00,000/- will be provided in RE/FMA 2025-2026. However, this expenditure shall be brought to the notice of the Legislature by way of Specific Inclusion in the Supplementary Estimates 2025-2026. Pending provision of such funds, the Director of Horticulture and Plantation Crops is authorized to draw and disburse the amount sanctioned in para 7 above.The Director of Horticulture and Plantation Crops is directed to include this item of expenditure while sending the budget proposal for RE/FMA 2025-2026 and also send necessary draft explanatory note for inclusion of this expenditure in the Supplementary Estimates 2025-2026 to the Government in Finance (Agri&FW/BG.I) Department at an appropriate time without fail.

SNA SPARSH DETAILS	
CSS Code and Name	4138 – KRISHIONNATI YOJANA
SLS Code and Name	TN14 – MISSION FOR HORTICULTURE DEVELOPMENT – 4138 [TN]
RBI A/c No.	01512701332
RBI A/c Name	00505TN14NATIONALHORTIMISSION

11) The Director of Horticulture and Plantation Crops is directed to implement this scheme through the new fund flow mechanism SNA-SPARSH mode as mandated by the financial procedure outlines by the Government of India and to be allowed to change the targets between approved components based on the requirements. The Government also informed that the bills shall be presented in IFHRMS SNA-SPARSH bill module for 100% under any of the head above which will be divided into Government of India and State share by the system itself, (i.e.) there will not be concept of separate head of account for State and Government of India Share hereafter.

12) The Director of Horticulture and Plantation Crops is also hereby permitted,

i. To implement the scheme through SNA – SPARSH.
ii. To authorize the Director of Horticulture and Plantation Crops to utilize the fund for the committed liabilities of previous year (2022-23, 2023-24 and 2024-25) as listed in the Annexure – I.

iii. To authorize the Director of Horticulture and Plantation Crops to change the components within the Annual Action Plan approval as per the requirements as listed in the Annexure – II.

iv. To implement the scheme as per the implementation guidelines enclosed in the Annexure – III.

v. To authorize the Director of Horticulture and Plantation Crops to implement Dharti Aaba Janjatiya Gram Utkarsh Abhiyan (DAJGUA) under National Horticulture Mission for the financial year 2025-26.

13) Further, the Director of Horticulture and Plantation Crops is also hereby directed,

i. To send the progress report on the achievement made, utilization of the Centre / State share released for the above said scheme and also to send the Utilization Certificate in respect of funds sanctioned in this order directly to Government of India.

ii. To scrupulously follow the terms and conditions stipulated in the Mother sanction release letter of Government of India 4th read above and SNA-SPARSH guidelines issued in Government Letter No.573, Finance (PFMS) dated 06.01.2025 and 17.2.2025.

14) This order issues with the concurrence of the Finance Department vide its U.O.No.10547188/Finance (Agri-FW)/2025, dated 05.06.2025 and Additional Sanction Ledger No.0281 (Two Hundred Eighty One) (IFHRMS ASL No.202506).

(BY ORDER OF THE GOVERNOR)

V.DAKSHINAMOORTHY
AGRICULTURAL PRODUCTION COMMISSIONER
AND SECRETARY TO GOVERNMENT

To
The Director of Horticulture and Plantation Crops, Chennai-5.
The Managing Director, Tamil Nadu Horticulture Development Agency, Chennai-5.
The Director of Agriculture, Chennai-5.
The Secretary to Government of India, Ministry of Agriculture and Farmers Welfare, Department of Agriculture and Farmers Welfare (Horticulture Division) Krishi Bhavan, New Delhi.
The Principal Accountant General (G&SSA/E&RSA/AAD), Chennai-18.
The Resident Audit Officer, Office of the Principal Accountant General, Secretariat, Chennai–9.
The Pay and Accounts Officer (East), Chennai-8.
The Chief Accounts Officer, Office of the Director of Horticulture and Plantation Crops, Chennai-5.

Copy to
The Private Secretary to Agricultural Production Commissioner and Secretary to Government, Agriculture-Farmers Welfare Department, Secretariat, Chennai-9.

The Finance (Agri-FW/BG-II/PFMS/W&M-1) Department, Secretariat, Chennai-9.
The Agriculture-Farmers Welfare (OP-3) Department, Secretariat, Chennai-9.
File bearing No.10547188/H1(1)/2025.
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//FORWARDED BY ORDER//

11/06/25
SECTION OFFICER

Annexure-I

G.O (Ms.) No.167, Agriculture-Farmers Welfare (H1(1)) Department, dated 11.06.2025

Mission for Integrated Development of Horticulture - National Horticulture Mission					
Committed Liabilities of AAP 2022-23, 2023-24 and 2024-25 - Abstract					
					Rs.in Lakh
S. No	Component	Unit	%	Subsidy cost	Committed Liability
	2022-23				
1	Integrated Post Harvest Management	Nos, MT	35-50	0.875-0.035/MT	95.124
	Sub Total				**95.124**
	2023-24				
1	Plantation Infrastructure Development	Nos.	40-50	7.50-100.00	100.000
2	Integrated Post Harvest Management	Nos., MT	35-50	0.875-175.00	249.000
3	Mission Management		100	8	7.500
	Sub Total				**356.500**
	2024-25				
1	Plantation Infrastructure Development	Nos.	40-50	7.50-100.00	111.539
2	Establishment of New Gardens - Area Expansion	Ha	40	0.12-1.12	127.558
3	Mushroom Cultivation	Nos.	40	8.00	16.000
4	Rejuvenation / replacement of senile plantation/ canopy management	Ha	50	0.200	10.227
5	Creation of Water resources	Nos.	50	0.75-20.00	126.788
6	Protection Cultivation	Ha	50	0.00213/ sq.mt-0.00467/sq.mt	379.437
7	Organic Farming	Ha, Nos.	40-50	0.03-0.5	96.908
8	Front Line Demonstration	Nos.	100	25.000	25.000
9	Integrated Post Harvest Management	Nos., MT	35-50	0.875-0.035/MT	1985.031
10	Establishment of Marketing Infrastructure	Nos.	50	5.250	5.250
11	Special Intervention	Ha, Nos.	50	0.06-0.3	41.090
12	Mission Management		100		221.279
	Sub Total				**3146.107**
	Grand Total				**3597.731**

V.DAKSHINAMOORTHY
AGRICULTURAL PRODUCTION COMMISSIONER
AND SECRETARY TO GOVERNMENT

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11/06/25
SECTION OFFICER

Annexure-II

G.O (Ms.) No.167, Agriculture-Farmers Welfare (H1(1)) Department, dated 11.06.2025

MIDH- National Horticulture Mission AAP 2025-26								
First Instalment Component Wise Allocation - Abstract								
								Rs. in lakh
S. No	Component	Unit	%	Subsidy cost	Total allocation as per AAP		First Instalment funds sanctioned	
					Phy	Fin	Phy	Fin
A	**Plantation Infrastructure Development**							
1	Large Nursery (Public) (1 Ha)	Nos	100	30.000	2	60.000	0	0.000
2	Small Nursery (Private) (0.4 to 1.0 Ha)	Nos	50	10.000	2	20.000	0	0.000
3	Small Nursery (Public) (0.4 to 1.0 Ha)	Nos	100	20.000	2	40.000	0	0.000
4	Upgrading Nursery infrastructure (public) (1 Ha)	Nos	100	4.000	2	8.000	0	0.000
5	Seed production for vegetables & spices - open pollinated (Public) (1 Ha)	Ha	100	0.500	150	75.000	50	25.000
Planting Material Sub-total		**Ha**			**150**	**203.000**	**50**	**25.000**
		Nos			**8**		**0**	
B	**Establishment of New Gardens - Area Expansion**							
6	Hybrid vegetables	Ha	40	0.24/ 0.20	2500	560.000	2250	510.000
7	Dragon fruit - with support system	Ha	40	1.6200	50	81.000	0	0.000
8	Pineapple (sucker) - without integration	Ha	40	0.2640	5	1.320	0	0.000
9	Banana (sucker) - without integration	Ha	40	0.2640	500	132.000	200	52.800
10	Banana (TC)- without integration	Ha	40	0.4200	500	210.000	200	84.000
11	Fig - without integration	Ha	40	0.3000	40	12.000	0	0.000
12	Avocado - without integration	Ha	40	0.3000	200	60.000	100	30.000
13	Mangosteen - without integration	Ha	40	0.3000	20	6.000	0	0.000
14	Rambutan - without integration	Ha	40	0.3000	20	6.000	0	0.000
15	Blueberry - without integration	Ha	40	0.3000	2	0.600	0	0.000

16	Papaya - without integration	Ha	50	0.1800	300	54.000	150	27.000
17	Sapota - without integration	Ha	40	0.1800	10	1.800	0	0.000
18	Jack - without integration	Ha	40	0.1800	200	36.000	50	9.000
19	Amla - without integration	Ha	40	0.1800	150	27.000	50	9.000
20	HDP Mango-without integration	Ha	40	0.4800	500	240.000	200	96.000
21	HDP Guava-without integration	Ha	40	0.48000	400	192.000	200	96.000
22	Acid lime -without integration	Ha	40	0.30000	350	105.000	100	30.000
23	Mandrin orange - without integration	Ha	40	0.3000	5	1.500	0	0.000
24	Litchi-without integration	Ha	40	0.3000	5	1.500	0	0.000
25	Sweet Orange - without integration	Ha	40	0.3000	2	0.600	0	0.000
	Fruits sub total				**3259**	**1168.320**	**1250**	**433.800**
26	Loose flowers	Ha	40	0.1200	1000	120.000	400	48.000
27	Bulbous flower	Ha	40	0.6000	500	300.000	300	180.000
	Flowers Sub total				**1500**	**420.000**	**700**	**228.000**
28	Seed spices	Ha	40	0.1200	1000	120.000	700	84.000
29	Rhizomatic spices	Ha	40	0.2400	1080	259.200	680	163.200
30	Perennial spices	Ha	40	0.2400	990	237.600	570	136.800
	Spices sub total				**3070**	**616.800**	**1950**	**384.000**
31	Cashew(regular spacing) - without integration	Ha	40	0.1800	200	36.000	100	18.000
	Plantation crops sub total				**200**	**36.000**	**100**	**18.000**
32	Aromatic and Medicinal Crops	Ha	40	0.12/ 0.30	25	5.700	0	0.000
	Aromatic and Medicinal crops sub total				**25**	**5.700**	**0**	**0.000**
	Area Expansion - Sub-total	**Ha**			**10554**	**2806.820**	**6250**	**1573.800**
C	**Mushroom cultivation**							
33	Mushroom Production unit (private)	Nos.	40	12.000	5	60.000	0	0.000
34	Spawn making unit	Nos.	40	8.000	1	8.000	0	0.000
	Mushroom cultivation Sub-total	**Nos**			**6**	**68.000**	**0**	**0.000**
D	**Rejuvenation / replacement of senile plantation/ canopy management**							

35	**Top working and gap filling with new plants**							
35.1	Cashew	Ha	40	0.040	12425	497.000	6000	240.000
	Rejuvenation Sub-total	**Ha**			**12425**	**497.000**	**6000**	**240.000**
E	**Creation of Water resources**							
36	Water harvesting system for individuals-Construction of on farm ponds/ tanks etc with use of plastic/ RCC lining (Rs.125/ cu.m)	Nos	50	0.750	1000	750.000	0	0.000
	Creation of Water resources Sub-total	**Nos**			**1000**	**750.000**	**0**	**0.000**
F	**Protected cultivation**							
37	Green House structure (Tubular/ Rectangular structure) - Naturally ventilated system	Sqm	50	0.00600	280000	1680.000	0	0.000
38	Shade Net House - Tubular/ Rectangular Structure	Sqm	50	0.00355	180000	639.000	0	0.000
39	Anti bird net	Sqm	50	0.00025	100000	25.000	0	0.000
40	Walk In Tunnel	Sqm	50	0.00360	10000	36.000	0	0.000
41	Cost of planting material & cultivation of Carnation & Gerbera under Poly green house	Sqm	50	0.00300	50000	150.000	0	0.000
42	Cost of planting material & cultivation of Rose, Chrysanthemum & Lilium under Poly green house	Sqm	50	0.00225	55000	123.750	0	0.000
43	Cost of planting material & cultivation of High Value fruits & vegetables grown in poly house/ net house	Sqm	50	0.00075	50000	37.500	0	0.000

Protected cultivation Sub-total		**Sqm**			**725000**	**2691.250**	**0**	**0.000**
G	**Promotion of INM /IPM**							
44	Promotion of INM/IPM	Ha	30	0.015	4750	71.250	4750	71.250
	Promotion of INM /IPM Sub-total	**Ha**			**4750**	**71.250**	**4750**	**71.250**
H	**Organic Farming**							
45	Permanent Vermi Compost unit	Nos	50	0.500	500	250.000	0	0.000
Organic Farming Sub-total		**Nos**			**500**	**250.000**	**0**	**0.000**
I	**Pollination support through beekeeping**							
46	One unit of Bee Hives/Boxes of 8 frames with bee colonies	Nos	40	0.016	25000	400.000	20000	320.000
47	Equipment including Honey extractor (4 frame), food grade container (30 kg), net including complete set of Bee keeping equipment	Nos	40	0.080	2500	200.000	2000	160.000
Pollination support through beekeeping Sub-total		**Nos**			**27500**	**600.000**	**22000**	**480.000**
J	**Front Line Demonstration**							
48	Front Line Demonstration (public)	Nos	100	25.000	5	125.000	0	0.000
49	Front Line Demonstration (Private)	Nos	75	18.750	1	18.750	0	0.000
	Front Line Demonstration Sub-total	**Nos**			**6**	**143.750**	**0**	**0.000**
L	**Centre of Excellance**							
50	Upgradation of CoE for Vegetables, Reddiyarchathiram, Dindigul	Nos.			1	100.000	1	100.000
51	Upgradation of CoE for Cut Flowers, Thally, Krishnagiri	Nos			1	100.000	0	0.000

52	Upgradation of CoE for Traditional Flowers, Thiruparakundram, Madurai	Nos			1	50.000	0	0.000
53	CoE for Mango, Dharmapuri	Nos			1	100.000	0	0.000
	Centre of Excellances Sub Total				**3**	**350.000**	**1**	**100.000**
M	**Integrated Post Harvest Management**							
54	Farm Gate Pack house	Nos	50	12.500	2	25.000	0	0.000
55	Pre cooling unit - 6 MT	Nos	35	10.500	2	21.000	0	0.000
56	Low cost - onion storage structures	MT	50	0.050	70608	3530.400	0	0.000
57	Integrated pack house	Nos	35	56.000	2	112.000	0	0.000
58	Primary/ Minimal processing Unit	Nos	40	12.250	5	61.250	0	0.000
59	Reefer Van (max 14 MT)	Nos	35	10.850	2	21.700	0	0.000
Integrated Post Harvest Management Sub-total		**MT**			**70608**	**3771.350**	**0**	**0.000**
		Nos			**13**		**0**	
N	**Establishment of Marketing infrastructure**							
60	Static/Mobile Vending cart/ Platform with cool chamber	Nos	50	0.150	5000	750.000	3500	525.000
Establishment of Marketing infrastructure Sub-total		**Nos**			**5000**	**750.000**	**3500**	**525.000**
O	**Special intervention**							
61	Area Expansion - Potato (in non - Traditional areas)	Ha	50	0.200	100	20.000	100	20.000
62	Cashew Cutting Machine	Nos	50	0.060	200	12.000	0	0.000
63	Cashew separator	Nos	50	0.300	50	15.000	0	0.000
64	Farm Deficiency Correction	Nos	50	0.020	5000	100.000	5000	100.000
65	Promotion of Jack - Introduction of new commercial varieties	Ha	50	0.180	200	36.000	0	0.000

66	Removal of prosopis and planting of chillies - cluster development of chillies	Ha	50	0.075	750	56.250	0	0.000
Special intervention Sub total		**Ha**			**1050**	**239.250**	**100**	**120.000**
		Nos			**5250**		**5000**	
Scheme Total		**MT**			**70608**	**13191.670**	**0**	**3135.050**
		Ha			**28929**		**17150**	
		Sqm			**725000**		**0**	
		Nos			**39286**		**30501**	
P	**Mission Management**							
67	State level seminar	Nos	100	3	2	6.000	0	0.000
68	District Level Seminar	Nos	100	2.000	38	76.000	0	0.000
69	MM fund (2.5%)		3			342.998		75.551
Mission Management Sub-total					**40**	**424.998**	**0**	**75.551**
P	**Dharthi Aaba Janjatiya Gram Utkarsh Abhiyan**							
	Area Expansion							
70	**Fruits**							
70.1	Amla	Ha	90	0.405	1	0.405	0	0.000
70.2	Acid lime	Ha	90	0.675	2	1.350	0	0.000
70.3	Sweet Orange	Ha	90	0.675	2	1.350	0	0.000
70.4	Custard Apple	Ha	90	0.405	1	0.405	0	0.000
	Sub Total				**6**	**3.510**	**0**	**0.000**
71	**Spices**							
71.1	Pepper	Ha	90	0.540	27	14.580	20	10.800
71.2	Nutmeg	Ha	90	0.540	5	2.700	20.3	10.962
71.3	Clove	Ha	90	0.540	5	2.700	0	0.000
	Sub total				**37**	**19.980**	**40.3**	**21.762**
	Area Expansion Sub Total				**43**	**23.490**	**40.3**	**21.762**
71	Water Harvesting Structures	Nos	90	1.350	4	5.400	0	0.000
72	Shade net	Sq.mt	90	0.006	1250	7.988	0	0.000
73	Promotion of INM/ IPM	Nos	90	0.045	100	4.500	0	0.000
74	Mobile Vending Cart	Nos	90	0.270	5	1.350	0	0.000
75	Farm Deficiency Correction (FDC)	Nos	90	0.036	202	7.272	90	3.240
DAJGUA Scheme Sub Total		**Ha**			**43**	**50.000**	**40**	**25.002**
		Sq.mt			**1250**		**0**	
		No			**311**		**90**	
Grand total						**13666.667**		**3235.603**

V.DAKSHINAMOORTHY
AGRICULTURAL PRODUCTION COMMISSIONER
AND SECRETARY TO GOVERNMENT

//True Copy//

11/06/25
SECTION OFFICER

Annexure-III

G.O (Ms.) No.167, Agriculture-Farmers Welfare (H1(1)) Department, dated 11.06.2025

MIDH-NHM-IMPLEMENTATION GUIDELINES-2025-26

General guidelines:

1. The Joint/Deputy Director of Horticulture in the district is the Implementing Head in the implementation of the scheme. The scheme should be implemented as per the guidelines of Government of India.
2. The Assistant Horticulture Officer and the Horticulture Officer of the block are jointly responsible for the selection of farmers ascertaining their social status/ category, gender with all the eligibility norms. The Assistant Director of Horticulture in the block is the approving authority for the selection of beneficiary in implementing the scheme.
3. Annual Action Plan of the Districts should be approved by DMC (District Mission Committee).
4. Work orders to beneficiaries should be issued for all infrastructure components on submission of valid necessary documents and after getting approval of DMC.
5. For components like Nurseries, Tissue culture unit, Mushroom production units, Front line demonstration, Farm Gate Pack house, Pre-cooling unit, Integrated pack house, Cold storage unit, Minimal processing unit, Ripening chamber, Refrigerated Transport vehicle, Evaporative/Low energy cool chamber, Retail Market, Functional Infrastructures etc the projects have to be placed before SLEC for issuance of work order to the beneficiaries.
6. The projects received from the districts will be scrutinized at the office of the Director of Horticulture and Plantation Crops and recommended for work order or subsidy release.
7. Farmers have to make their own arrangement for transportation of planting material since no provision is available for transportation of Planting materials.
8. All the area expansion components should be converged with Micro Irrigation.
9. All Planting materials and seeds mentioned in the Annual Action Plan should be sourced from the State Horticulture Farms only. If the planting material/seeds are not available in the State Horticulture Farms, it can be sourced from other Government sources/other sources after confirming its quality.
10. In case of area expansion, the component-wise cost mentioned in the table shall be adopted. If there is any balance amount available after the supply/ purchase of planting materials, it can be provided for INM/IPM & other cultivation expenses. However, the maximum eligible subsidy per unit should not exceed the amount mentioned.

11. The fund allocation is to be made in General, SC and ST categories as mentioned in the respective GO's without any deviation.
12. The maximum eligibility of a farmer to avail assistance under different components are as follows:
    - Establishment of New Gardens - Area Expansion of Fruits, Vegetables, Spices, Plantation crops, Flowers and Medicinal and Aromatic Crops is 2 Ha.
    - Rejuvenation/ replacement of senile plantation/ canopy management is 2 Ha
    - Poly green House, Shade Net and Cost Planting Material is 2500 sq.mt
    - Anti Bird Net is 10000 sq.mt
    - Walk in Tunnel is 3 units (each unit not exceed 800 sq.mt)
13. For infrastructure related projects (Nurseries, Tissue culture unit, Mushroom production units, Water Harvesting structures, Poly Green House, Shade net house, Cost of planting material under PGH/SNH, Vermicompost unit, Front line demonstration, Farm Gate Pack house, Pre-cooling unit, Low cost onion storage structures, Integrated pack house, Cold storage unit, Minimal processing unit, Ripening chamber, Refrigerated Transport vehicle, Evaporative /Low energy cool chamber etc), the block officials should maintain a spiral booklet, where the photographs of various stages of the projects should be documented. Also, the block officials (ADH/HO/AHO's) should visit the infrastructure projects and ascertain that the projects are constructed as per the Guidelines.
14. Beneficiaries details for all the components under MIDH-NHM should be uploaded in MIDH portal and Krishi Mapper then and there.
15. Field photos should be taken before, during and post implementation of the scheme in the field for all the components with geo-coordinates. ADH/HO/DyHO/AHO should ensure proper implementation of the scheme by field inspection at various stages, and the same must be documented properly in records.
16. The block officials should inspect the field, verify the Vouchers and Certify with page entry of various works submitted by the farmer and ensure that the items are found correct.
17. Follow up register should be maintained for each component beneficiary-wise and the yield, income generated, etc and other parameters should be recorded.
18. 80% of the target amount may be focused in KAVIADP Villages.
19. For additional 20% funds in case of Small/ Marginal Farmers of SC/ST Category for high value components like Poly green House & shade Net, the farmers should mandatorily keep SC/ST certificate and SF/MF Certificate issued from Revenue Department. Only after ascertaining the above, additional 20% funds should be recommended and subsidy should be released.

20. For Projects like Polygreen House and Shadenet, test report for (GI Pipe and Polythene sheets-for Poly green house and shadenet-for shade net house) the constructed materials should be obtained from CIPET and the quality should be ascertained.
21. For Poly Green House and Shade Net Houses, insurance of the structures is mandatory.
22. 70% of the fund should be earmarked for small farmers and Marginal Farmers.
23. Quality of seeds, bio-fertilizers and other inputs should be ensured by Joint Director of Horticulture, Deputy Director of Horticulture and Assistant Director of Horticulture.
24. Document the farmer's ID generated in farmer's registry and it should be recorded.
25. Area expansion should be targeted only in new areas and it should be recorded in Digital Crop Survey.

Selection of Beneficiaries:

1. The beneficiary selection should be done only through online mode (https://www.tnhorticulture.tn.gov.in/tnhortnet/login.php) and Uzhavan app.
2. The Block officials should select the beneficiaries at the beginning of the financial year for proper and speedy implementation of the scheme.
3. All the selected Beneficiaries should be approved by DMC (District Mission Committee).
4. The selected farmers should have own land/ leased land (10 years registered lease) to the eligible extent to avail the benefit of the scheme.
5. The selected farmers should have an active account with any of the nationalized/ scheduled/ co-operative banking organizations in order to facilitate the DBT (Direct Benefit Transfer)
6. The selected farmer should have enrolled himself in the UIDAI (Unique Identification Authority of India) programme of Government of India and should link his Aadhar number with his bank account (Aadhar seeded beneficiary).
7. The selected beneficiary should produce evidence towards his residence proof apart from Aadhar ie., either ration card/ Voter ID/ Driving license/ Passport/ or any other proof of residence issued by the Competent Authority.
8. Block officials should ensure that there is no repetition of beneficiaries. The subsidy availed by the farmer in the previous years in all schemes should be verified before processing the application, to avoid repetition.
9. Seniority Register should be maintained in the block and district as per online registration in TN-Hortnet. If the selected famer does not adhere to the timeline as mentioned in the work order, notice has to

be issued to the concerned person immediately, followed by issuance of cancellation order. Justification for elimination should be recorded and new beneficiary should be selected as per seniority.

10. The online billing for the planting materials should be done on the same day, as distributed to the farmers.
11. All farmers are eligible. Priority shall be given to SF/MF/SC/ST/Women.
12. Individuals/ Farmers/ Beneficiaries/ Entrepreneurs/ Partnership or Proprietary firms/ Companies/ Corporations/ Public Sector Units/ Government Agencies/ Cooperatives/ Cooperative Marketing Federations/ Farmers Groups/ FPOs/ SHFGs/ Local Bodies/ Agricultural Produce Market Committees/ Marketing Bards/ State Governments etc are also eligible to avail assistance under Integrated Post Harvest Management and Market Infrastructure components.
13. The release of subsidy need not be credit linked for institutions like Public Sector Units, Panchayats, Cooperatives, Registered Societies/ Trsuts, Public Ltd Cimponies, FPOs, SHGs etc.

Dharthi Aaba Janjatiya Gram Utkarsh Abhiyan

1. Dharthi Aaba Janjatiya Gram Utkarsh Abhiyan (DAJGUA) scheme will be implemented from 2025-26 onwards by providing 90% assistance to tribal farmers having FRA patta.
2. The selected Tribal (TSP) beneficiaries should provide a copy of the FRA patta provided by Tribal Welfare Department under the Forest Rights Act (FRA) in addition to all the desired documents.
3. The block ADH/ HO/ AHO should ascertain that the identified beneficiary is a tribal FRA patta holder.
4. Subsidy should be released to the beneficiary only after completion of field works and field verification/ inspection by the block officials (ADH/HO/DyHO/AHO) as per the guidelines of MIDH - NHM.

26. How to Make Payment

- A Joint Inspection Team should inspect all project based works and verify the infrastructure created before release of fund. The photographs of infrastructure created should be compulsorily geotagged. The members of the JIT team are enclosed in Table 1.
- Release of subsidy for all the components under MIDH should be done through SNA SPARSH platform as per the delegation of powers mentioned in Table 4.
- Subsidy should be released to the beneficiary bank account only after completion of field works and field verification/inspection by the block officials (ADH/HO/DyHO/AHO) for all components.

- The Project along with necessary documents and JIT Report should be submitted to the Directorate for SLEC (State Level Sanctioning Committee) Approval or EMC approval. Once the projects are

approved by SLEC or EMC, necessary approval shall be obtained from DMC (District Mission Committee) and funds shall be released to the beneficiary's bank account/ Loan account whatever the case may be.

- For the inputs purchased for distribution, the quantity and quality check (seed germination etc) must be done by block level officers and must meet the standards. The quality and quantity checks as mentioned above must be done before starting the distribution of inputs to the farmer. Proper records should be maintained for quality and quantity checks.
- Subsidy release may be done as per the cost norms enclosed below which are indicative in nature.
- For credit linked back-ended components, assistance will be limited to the subsidy amount and it will be released to the loan account of the farmer/beneficiary to adjust the loan.

27. Table 1: District Joint Inspection Team (JIT)

S. No	Component	JIT members
1	Plantation Infrastructure Development (Private), Mushroom Cultivation, Protected cultivation (except of Cost of Planting Material), Integrated post harvest management (except Low Cost Onion Storage Structures) and Functional Infrastructure	• Expert from TNAU/ KVK scientist • Assistant executive engineer (AED)/his representatives • Joint/Deputy Director of Horticulture • Assistant Director of Horticulture (Planting Materials) • Assistant Director of Horticulture (concerned Block) • Banker (in case of credit linked back ended subsidy)
2	Protected cultivation (Cost of Planting Material), Front Line Demonstration (Private) and Retail Market	• Joint/Deputy Director of Horticulture • Assistant Director of Horticulture (concerned) • Assistant Director of Horticulture (Planting materials) • TNAU Scientist • Banker (in case of credit linked back ended subsidy)

3	Water Harvesting structures for individuals, Permanent Vermicompost Unit and Low cost onion storage structures,	• Joint/Deputy Director of Horticulture • Assistant Director of Horticulture (concerned) • Assistant Director of Horticulture (from other block) • Block HO

28. How to Make Measurement/ Inspections

- 100% Field inspection by block level official (ADH //HO/DY.HO/AHO)
- 25% Field inspection by JDH/DDH
- 100 % verification by Joint Inspection Team – for all the project based activities

29. Table 2: State Level Executive Committee

The Composition of State Level Executive Committee as per GO Ms.No.174 Agriculture H1 dept, dated: 20-11-2014

1	Agricultural Production Commissioner and Secretary to Government	Chairman
2	Commissioner/ Director of Horticulture and Plantation Crops and State Mission Director	Member Secretary
3	Joint Secretary/ Finance Department	Member
4	Commissioner/ Director of Agriculture	Member
5	Commissioner/ Director of Agricultural Marketing and Agri Business	Member
6	Chief Engineer – Agricultural Engineering Department	Member
7	Dean (Horticulture) Tamil Nadu Agricultural University	Member
8	Principal Chief Conservator of Forests	Member
9	Director – National Research Centre for Banana (NRCB)-Trichy	Member
10	General Manager – NABARD - Chennai	Member
11	Representative from Government of India (National Horticulture Mission)	Member
12	President- State Level Flower Growers Association	Member
13	President – State Level Fruit Growers Association	Member

30. Table 3: District Mission Committee

The Composition of District Mission Committee as per GO Ms.No.174 Agriculture H1 dept, dated: 20-11-2014

1	District Collector	Chairman
2	Joint Director of Horticulture / Deputy Director of Horticulture	Member Secretary
3	Project Officer, Department of Rural Development Agency (DRDA)	Member
4	Joint Director of Agriculture	Member
5	Executive Engineer (AE)	Member
6	Secretary, Agricultural Market Committee	Member
7	Professor (TNAU)	Member
8	Conservator of Forest / District Forest Officer	Member
9	Nominee of Growers Associations for progressive farmers	Member
10	Nominee of Self Help Groups	Member
11	Nominee of Non-Government Organizations (NGOs)	Member
12	District Development Manager (Lead Bank)	Member
13	District Secretary, Panchayats	Member
14	Assistant Director, Khadhi and Village Industries Board	Member

31. Table 4: Delegation of powers for approving projects under MIDH scheme

A. By Executive Committee (EC)

S.No	Component/ Category of Items	Total Project Cost (Rs in Lakh)
1.	Marketing Infrastructure	Above 1500.00
2.	Special Interventions	Above 100.00
3.	Mission Management / TSG, Data base, Survey, FPO	Above 300.00
4.	Other components not covered above	Project based

B.By Empowered Monitoring Committee (EMC)

S. No	Component/Category of Items	Total Project Cost (Rs in Lakh)
1.	Planting material Infrastructure (Hi-tech Nursery, TC Unit, Seed Infrastructure, Import of planting material)	Above 25.00 upto 250.00*
2.	Organic farming, Certification & GAP	Above 200.00
3.	INM/IPM Infrastructure	Above 500.00**
4.	Post Harvest Management infrastructure, including Cold Chain Supply System, Processing, including projects related to reefer transport, ripening and add-on technology components.	Above 500.00**
5.	Marketing infrastructure	Above 500.00 upto 1500.00
6.	Centre of Excellence	Up to 1000.00
7.	Special Interventions	Up to 100.00
8.	Need based projects (Seminars/ Workshops/ Exhibitions/ Training & Study Tours abroad, etc)	Above 50.00/project
9.	Mission Management / TSG, Data base, Survey, FPO	Up to 300.00 Subject to ratification by EC.

C. By State Level Executive Committee (SLEC)

S. No	Component/Category of Items	Total Project Cost (Rs in Lakh)
1.	R &D projects	Up to 100.00
2.	Planting material Infrastructure (Hi-tech Nursery, TC Unit, Seed Infrastructure)	Up to 25.00
3.	Mushroom	Up to 20.00
4.	Protected cultivation	Up to 70.00
5.	Organic farming, Certification & GAP	Up to 200.00
6.	INM/IPM Infrastructure	Up to 500.00
7.	Horticulture Mechanization	Up to 7.00
8.	HRD (Excluding Training/study tour abroad)	Up to 20.00
9.	Demonstration	Up to 25.00
10.	Post Harvest Management infrastructure, including Cold Chain Supply System, Processing, including projects related to reefer transport, ripening and add-on technology components.	Up to 500.00

S. No	Component/Category of Items	Total Project Cost (Rs in Lakh)
11.	Marketing infrastructure	Up to 500.00
12.	Need based projects (Seminars/ Workshops/ Exhibitions)	Up to 50.00/project

32. D. By State Mission Director, SHM (State Horticulture Mission)

S. No	Component/Category of Items	Cost limit as per MIDH Scheme (Rupees in lakh)
1.	By State Mission Directors, if costs are as per norms specified in Annexure V of MIDH operational guidelines.	Up to 5.00

33. *Further, delegation of powers to be considered with the approval of GC.

34. **The decisions of EMC on projects costing more than Rs.500.00 lakh to be placed before EC for ratification

35. E. By District Mission Director, SHM

S. No	Component/Category of Items	Cost limit (Rupees in lakh)
1.	By District Mission Directors, if costs are as per norms specified in Annexure V of MIDH operational guidelines.	Up to 1.50

Documentation

- A spiral booklet must be maintained at the Block office & District Office for all the project mode works above Rs. 50,000/- and stages of the works with review notes should be recorded by pen.
- All the project mode work should be documented properly.
- Component wise success stories should be documented and recorded by calculating the yield and income of the farmer in all stages and it should be sent to O/o DHPC.
- A Separate photo album indicating details of the work for each block should be maintained year wise.
- For all infrastructure related works, permanent board should be displayed in the infrastructure created with Emblem of Government of Tamil Nadu and MIDH in the following format mentioned below.
- The farmer should display the board and place in front of the field for all MIDH-NHM assisted components.

- After erection of the board a photograph with beneficiary farmer should be taken and affix in the beneficiary/ Follow up register. This photograph should be accompanied with the proposals sent for sanction to SLEC/SHM/DMC.

Department of Horticulture
Financial Assistance by MIDH (NHM)
Tamil Nadu

बागवानी मिशन
Horticulture Mission

Name	Details of the Work (Area under
S/o	Ha/Sqm/No)
Village/Survey No	Value of the Work
Block/District	Assistance Given

MIDH-National Horticulture Mission -AAP-2025-26

The following components have been proposed for implementation under MIDH-National Horticulture Mission for the year 2025-26:

MIDH - NHM Components Cost Norms

S. No.	Components	%	Subsidy Cost
A. PLANTATION INFRASTRUCTURE DEVELOPMENT			
Production of Planting Material			
1	Large Nursery (Public) (1 Ha)	100%	Rs. 30 lakhs/unit
2	Small Nursery (Private) (0.4 to 1.0 Ha)	50%	Rs. 10 lakhs/unit
3	Small Nursery (Public) (0.4 to 1.0 Ha)	100%	Rs. 20 lakhs/unit
4	Upgrading Nursery infrastructure (Public) (1 Ha)	100%	Rs. 4 lakhs/unit
5	Seed production for vegetables & spices - open pollinated (Public) (1 Ha)	100%	Rs. 0.5 lakhs/Ha
B. Establishment of New Gardens - Area Expansion			
6	Hybrid vegetables		
6.1	Tomato	40%	Rs. 24,000/Ha
6.2	Small Onion	40%	Rs. 20,000/Ha
6.3	Cole crops	40%	Rs. 24,000/Ha
6.4	Brinjal	40%	Rs. 24,000/Ha
6.5	Chillies	40%	Rs. 24,000/Ha
6.6	Bhendi	40%	Rs. 24,000/Ha
7	HDP Mango-without integration	40%	Rs. 48,000/Ha
8	HDP Guava-without integration	40%	Rs. 48,000/Ha
9	Papaya -without integration	40%	Rs. 18,000/Ha
10	Banana (TC)- Without integration	40%	Rs. 42,000/Ha
11	Banana (Sucker) – without integration	40%	Rs.26,240/Ha
12	Acid lime	40%	Rs.30,000/Ha
13	Sapota - without integration	40%	Rs.18,000/Ha
14	Pineapple (sucker) - without integration	40%	Rs.26,400/Ha
15	Fig - without integration	40%	Rs.30,000/Ha
16	Avocado	40%	Rs.30,000/Ha
17	Dragon fruit – with support system	40%	Rs.1,62,000/Ha
18	Amla – without integration	40%	Rs.18,000/Ha
19	Jack – without integration	40%	Rs.18,000/Ha
20	Mandarin orange – without integration	40%	Rs.30,000/Ha
21	Litchi – without integration	40%	Rs.30,000/Ha
22	Sweet Orange – without integration	40%	Rs.30,000/Ha
23	Mangosteen	40%	Rs.30,000/Ha
24	Rambutan	40%	Rs.30,000/Ha
25	Loose flowers	40%	Rs.12,000/Ha
26	Bulbous flower	40%	Rs.60,000/Ha
27	Seed spices	40%	Rs.12,000/Ha
28	Rhizomatic spices	40%	Rs.24,000/Ha
29	Perennial spices	40%	Rs.24,000/Ha
30	Cashew (regular spacing) – without integration	40%	Rs.18,000/Ha
31	Aromatic Crops		
31.1	Rosemary	40%	Rs.30,000/Ha
31.2	Vetiver	40%	Rs.12,000/Ha

S. No.	Components	%	Subsidy Cost
C. Mushroom cultivation			
32	Mushroom Production unit (private)	40%	Rs.12 lakhs/unit
33	Spawn making unit	40%	Rs.8 lakhs/unit
D. Rejuvenation / replacement of senile plantation/ canopy management			
34	Top working and gap filling with new plants	40%	Rs.4,000/Ha
E. Creation of Water resources			
35	Water harvesting system for individuals- construction of on farm ponds/tanks etc with use of plastic/ RCC lining (Rs.125/cu.m)	50%	Rs.75,000/No
F. Protected Cultivation			
36	Green House Structure (Tubular/ Rectangular structure) – Naturally ventilated system	50%	Rs.600/Sqm
37	Shade Net House - Tubular/ Rectangular structure	50%	Rs.355/Sqm
38	Anti bird net	50%	Rs.25/Sqm
39	Plastic Mulching	50%	Rs.16,000/Ha
40	Walk in Tunnel	50%	Rs.360/Sqm
41	Cost of planting material & cultivation of Carnation & Gerbera under PGH	50%	Rs.300/Sqm
42	Cost of planting material & cultivation of Rose, Chrysanthemum & Lilium under PGH	50%	Rs.225/Sqm
43	Cost of planting material & cultivation of High Value fruits & vegetables grown in PGH/SNH	50%	Rs.75/Sqm
G. Promotion of INM/IPM			
44	Promotion of INM/IPM	30%	Rs.1,500/Ha
H. Organic Farming			
45	Permanent Vermi Compost unit	50%	Rs.50,000/unit
I. Pollination support through beekeeping			
46	One unit of Bee Hives/Boxes of 8 frames with bee colonies	40%	Rs.1,600/No
47	Equipment including Honey Extractor (4 frame), food grade container (30 kg), net including complete set of bee keeping equipment	40%	Rs.8,000/No
J. Front Line Demonstration			
48	Front Line Demonstration (public)	100%	Rs.25 lakhs/unit
49	Front Line Demonstration (private)	75%	Rs.18.75 lakhs/unit
K. Centre of Excellence			
50	Upgradation of Centre of Excellence	100%	
L. Integrated Post Harvest Management			
51	Farm Gate Pack house	50%	Rs.12.5 lakhs/unit
52	Precooling unit – 6 MT	35%	Rs.10.5 lakhs/unit
53	Low-cost onion storage structures	50%	Rs.5000/MT
54	Integrated Pack House	35%	Rs.56 lakhs/unit
55	Cold storage unit Type-1	35%	Rs.3,400/MT
56	Primary/Minimal Processing Unit	40%	Rs.12.25 lakhs/unit
57	Reefer Van (max 14 MT)	35%	Rs.10.85 lakhs/unit
M. Establishment of Marketing infrastructure			
58	Static/Mobile Vending Cart/ Platform with cool chamber	50%	Rs.15,000/No
N. Special intervention			
59	Area Expansion - Potato (in non- Traditional areas)	50%	Rs.20,000/Ha
60	Cashew Cutting Machine	50%	Rs.6,000/No

S. No.	Components	%	Subsidy Cost
61	Cashew separator	50%	Rs.30,000/No
62	Farm Deficiency Correction	50%	Rs.2,000/No
63	Promotion of Jack -Introduction of new commercial varieties	50%	Rs.18,000/Ha
64	Removal of Prosopis and planting of chillies – Cluster development of chillies	50%	Rs.7,500/Ha
O.	**Mission Management - Seminars**		
65	State level seminar	100%	Rs.3 lakhs/No
66	District Level Seminar	100%	Rs.2 lakhs/No
P.	**Dharthi Aaba Janjatiya Gram Utkarsh Abhiyan**		
67	Area Expansion – Fruits		
67.1	Amla	90%	Rs.40,500/Ha
67.2	Acid lime	90%	Rs.67,500/Ha
67.3	Sweet Orange	90%	Rs.67,500/Ha
67.4	Custard apple	90%	Rs.40,500/Ha
68	Area Expansion – Spices		
68.1	Pepper	90%	Rs.54,000/Ha
68.2	Nutmeg	90%	Rs.54,000/Ha
68.3	Clove	90%	Rs.54,000/Ha
69	Water Harvesting Structures	90%	Rs.1.35 Lakhs/unit
70	Shade Net House	90%	Rs.600/Sqm
71	Promotion of INM/IPM	90%	Rs.4500/Ha
72	Mobile Vending Cart	90%	Rs.27,000/No
73	Farm Deficiency Correction (FDC)	90%	Rs.3600/No

Production of Planting Material

A. Plantation Infrastructure Development

Production of Planting Material

1. Large Nursery (Public & Private)

- **Unit cost**: Rs. 30 lakhs per ha
- **Maximum ceiling limit:**2 Ha/Beneficiary.
- **Assistance for Public Sector**: 100% of the cost i.e., Rs.30 lakhs for 1 Ha
- **Assistance for Private Sector**: 40% of the cost i.e., Rs.12lakhs for1 Ha
- **Production capacity**: 1,00,000 Plants per hectare per year of mandated perennial fruit plants, tree spices, aromatic plants, plantation crops, perennial flowers etc. duly certified for its quality.
- **The following components may be implemented in the nursery:**
    1. Proper fencing
    2. Scion/Mother block of improved varieties
    3. Root stock block
    4. Shade Net house
    5. Irrigation facilities (Drip/sprinkler)
    6. Hi-tech greenhouse having insect proof netting on sides and fogging and misting systems (only for plug type hi-tech nursery)
    7. Hardening /maintenance in insect proof net housewith light screening properties and sprinkler irrigation system.
    8. Pump house to provide sufficient irrigation to the plants and water storage tank to meet at least 2 days requirement
    9. Soil solarization – steam sterilization system with boilers.
- **Accreditation of each Hi-Tech Nursery is mandatory and it should be done within 18 months through National Horticulture Board from the date of release of funds**
- Usage of planting material of seedling origin for perennial fruit crops is not supported.

2&3. Small Nurseries (Public & Private)

- **Unit cost:** Rs. 20 lakhs per Ha
- **Minimum ceiling limit** : 0.4 Ha /Beneficiary
- **Maximum ceiling limit:**1 Ha/Beneficiary
- **Assistance for Public Sector**: 100% of the cost i.e., Rs.20 lakhs for 1 Ha
- **Assistance for Private Sector**: 50% of the cost i.e., Rs.10 lakhs for 1 Ha
- **Production capacity**: 50,000 Plants per hectare per year of mandated perennial fruit plants, tree spices, aromatic plants,

plantation crops, perennial flowers etc. The plants produced will be duly certified for their quality.

- **The following components may be implemented in the nursery:**
    1. Proper fencing
    2. Scion/Mother block of improved varieties
    3. Root stock block
    4. Shade Net house
    5. Irrigation facilities (Drip/sprinkler)
    6. Naturally ventilated green house
    7. Hardening /maintenance in insect proof net housewith light screening properties and sprinkler irrigation system.
       Pump house to provide sufficient irrigation to the plants and water storage tank to meet at least 2 days requirement
    9. Soil sterilization unit
- **Accreditation of each Hi-Tech Nursery is mandatory and it should be done within 18 months through National Horticulture Board from the date of release of funds**
- Usage of planting material of seedling origin for perennial fruit crops is not supported.

4. <u>Upgrading nursery infrastructure to meet accreditation norms(Public & Private)</u>

- **Unit cost:** Rs. 4 lakhs per Ha
- **Maximum ceiling limit:**2 Ha/Beneficiary
- **Assistance for Public Sector**: 100% of the cost i.e., Rs.4 lakhs for 1 Ha
- **Assistance for Private Sector**: 50% of the cost i.e., Rs.2 lakhs for 1 Ha
- 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.
- **Accreditation of each Hi-Tech Nursery is mandatory and it should be done within 18 months through National Horticulture Board from the date of release of funds**

<u>5.Seed production for vegetables & spices - Open pollinated (Public& Private)</u>

- **Unit cost:** Rs. 50,000 per Ha
- **Minimum ceiling limit**: 1 Ha (In case of Vibrant villages the min. ceiling limit of area will be 0.5 Ha).
- **Maximum ceiling limit:** 2 Ha
- **Assistance for Public Sector**: 100% of the cost i.e., Rs.50,000 for 1 Ha
- **Assistance for Private Sector**: 35% of the cost i.e.Rs.17,500 for 1 Ha

B. Establishment of New Gardens - Area Expansion

Establishment of New Gardens - Area Expansion

- The maximum eligibility of a farmer to avail assistance under Establishment of New Gardens - Area Expansion of Fruits, Vegetables, Spices, Plantation crops, Flowers and Medicinal and Aromatic Crops is 2 Ha.
- The cost split up for the various horticulture crops are as follows:

S.No	Name of the unit	Unit	Qty	Rs.	Subsidy Amount (In Rs)	Farmer Contribution (In Rs)	Totalcost (In Rs)	Remarks
B.Area Expansion: Vegetables								
6	**Hybrid vegetables(40%)**							
6.1	**Tomato(Total cost-Rs.60,000/Ha,Subsidy-Rs.24,000/Ha) Spacing – 60*45 cm**							
	Protray seedlings - 37037 seedlings/Ha(20,000 +17,037 = 37,037 seedlings)	Nos	20,000	1.2	24,000	20,444	44,444	20,000 seedlings cost about Rs.24,000 is distributed tofarmers as Govt subsidy and the balance 17,037 No of seedlings costs about Rs.20,444 isthe farmercontribution. The portray seedlings will be suppliedFrom State Horticultural Farms
	Cost of INM/IPM, Land preparation and intercultural operations					15,556	15,556	Byfarmersat theirown cost
	Total				**24,000**	**36,000**	**60,000**	
6.2	**Small Onion – bulbs/ seeds (Total cost – Rs.50,000/ Ha, Subsidy-Rs.20,000/Ha) Spacing – 45*10 cm**							
	Small Onion – seed/ bulbs (1000 kg/ Ha)	Kg	1000	20	20,000		20,000	Backendedsubsidyonly through Direct Benefit Transfer
	Cost of INM/IPM, Land preparation and intercultural operations					30,000	30,000	Byfarmersat theirown cost
	Total				**20,000**	**30,000**	**50,000**	
6.3	**Cole crops** - 4-6 kg/Ha for Carrot,beetrootand375- 650g/Hafor Cauliflower and Cabbage				24,000	36,000	60,000	Backendedsubsidyonly through Direct Benefit Transfer
6.4	**Brinjal (Total cost-Rs.60,000/Ha,Subsidy-Rs.24,000/Ha) – spacing: 90*60 cm**							
	Protray seedlings – 18,520 seedlings/Ha	Nos	18,520	1.2	22224	0	22224	18,520 seedling cost about Rs.22,224 is distributed tofarmers as Government

								subsidy. Protray seedlings will be supplied From State Horticultural Farms
	Azospirillum - 2 Kg /Ha	kg	2	50	100		100	Through State Horticulture Farms
	Phosphobacteria - 2 Kg/Ha	kg	2	50	100		100	
	Urea	kg	135	5.92	800		800	Through PACCs
	Super phosphate	kg	350	12		4200	4200	
	Murate of potash	kg	50	30	776	724	1500	
	FYM -20 MT /Ha	MT	20	1500		30000	30000	By farmer sat their own cost
	Cost of INM/IPM, Land preparation and intercultural operations	kg				1076	1076	
	Total				**24000**	**36000**	**60000**	
6.5	**Chillies (Total cost -Rs.60,000/Ha, Subsidy -Rs.24,000/Ha) – spacing: 75*60 cm**							
	Protray seedlings – 22,220 seedlings/Ha (20,000+2,220=22, 220 seedlings	Nos	20,000	1.2	24,000	2664	26664	20,000 seedling cost about Rs.24,000 is distributed to farmers as a Govt subsidy and the balance 2,220 no of seedlingscostsa boutRs.2,664 isthe farmer contribution. Protray seedlings will be supplied From State Horticultural Farms
	Cost of INM/IPM, Land preparation and intercultural operations					33336	33336	By farmer sat their own cost
	Total				**24,000**	**36,000**	**60,000**	
6.6	**Bhendi (Total cost -Rs.60,000/Ha, Subsidy -Rs.24,000/Ha) – spacing: 45*30 cm**							
	Seeds	Kg	2.5	6600	16,500	0	16,500	Procurement from Government source
	Azospirillum - 2kg/Ha	Kg	2	50	100		100	Through State Horticulture Farms
	Phosphobacteria 2kg/Ha	Kg	2	50	100		100	
	Urea	kg	225	5.92	1300	32	1332	ThroughPACCs
	Super phosphate	kg	650	12		7800	7800	
	Murate of potash	kg	200	30	6000	6000	12000	
	Cost of INM/IPM, Land preparationandinterc ultural operations					22168	22168	Byfarmersat theirown cost
	Total				**24,000**	**36,000**	**60,000**	

Fruits								
7	**HDP Mango (5x5m) – without integration (Total cost -Rs.1,20,000/Ha;40 % Subsidy-Rs.48,000/Ha)**							
	Mango softwood grafts	Nos	400	70	28,000		28,000	400 Plants will be supplied from State Horticulture Farms as a Government Subsidy
	FYM – 10 Kg/ tree i.e 4 MT/Ha	MT	4	1500	6000		6000	Back ended subsidy only through Direct Benefit Transfer
	N- 0.2 Kg/ tree i.e Urea -0.434 Kg/ tree, Urea ~ 180 Kg/Ha	Kg	180	5.92	1066		1066	Through PACCs
	P- 0.2 Kg/ tree i.e SSP -1.25 Kg/ tree, SSP~ 500 Kg/Ha	Kg	500	12	6000		6000	
	K- 0.3 Kg/ tree i.e MOP -0.498 Kg/ tree, MOP ~ 200 Kg/Ha	Kg	200	30	6000		6000	
	Cost of Land preparation and intercultural operations				934	72,000	72934	Rs.934 will be provided as back ended subsidy and Rs.72000 will be borne by the farmer sat their own cost
	Total				**48,000**	**72,000**	**1,20,000**	
8	**HDP Guava(3x6m) - without integration (Totalcost-Rs.1,20,000/Ha; 40% Subsidy - Rs.48,000/Ha)**							
	Guava layers (555 layers)	Nos	555	40	22,200		22,200	555Plantswill be supplied from State Horticulture Farms as a Government Subsidy
	N- 0.5 Kg/ tree i.e Urea -1.09 Kg/ tree, Urea ~ 585 Kg/Ha	Kg	585	5.92	3463		3463	Through PACCs
	P- 0.5 Kg/ tree i.e SSP -3.125 Kg/ tree, SSP~ 1750 Kg/Ha	Kg	1750	12	7337	13663	21,000	
	K- 0.5 Kg/ tree i.e MOP -0.83 Kg/ tree, MOP ~ 500 Kg/Ha	Kg	500	30	15000		15000	
	Cost of Land preparation and intercultural operations					58337	58337	By farmer sat their own cost
	Total				**48,000**	**72,000**	**1,20,000**	
9	**Papaya (1.8x1.8m) - without integration (Totalcost-Rs.45,000; 40 %Subsidy - Rs.18,000/Ha)**							
	Papaya seedlings (3086plants = 900+2186)	Nos	900	20	18,000	27,000	45,000	900Plantswill be supplied from State Horticulture Farms as a

								Government Subsidy and 2186plantsfromfarmer contribution.
	Total				**18,000**	**27,000**	**45,000**	
10	**TC Banana - without integration40 %Subsidy**				42,000		1,05,000	Back ended subsidy only through Direct Benefit Transfer
11	**Banana Suckers - without integration 40 %Subsidy**				26,400		66,000	Back ended subsidy only through Direct Benefit Transfer
12	**Acid Lime (6X6m) (Totalcost -Rs.75,000/Ha; 40 % Subsidy -Rs.30,000/Ha)**							
	Acid lime layers(278layers)	Nos	278	25	6950		6950	278Plantswill be supplied from State Horticulture Farms as a Government Subsidy
	FYM – 10 Kg/ tree i.e 2780 kg/Ha	MT	2.78	1500	4170		4170	Rs.4170 will be provided as back ended subsidy
	N- 0.2 Kg/ tree i.e Urea -0.434 Kg/tree, Urea ~ 135Kg/Ha	Kg	135	5.92	800		800	Through PACCs
	P- 0.1 Kg/ tree i.e SSP 0.625 Kg/ tree, SSP ~200 Kg/Ha	Kg	200	12	2400		2400	
	K- 0.1 Kg/ tree i.e MOP -0.166 Kg/ tree, MOP ~ 50 Kg/Ha	Kg	50	30	1500		1500	
	Cost of Land preparation and intercultural operations				14180	45000	59180	Rs.14180 will be provided as back ended subsidy and Rs.45000 will be borne by the farmer sat their own cost
	Total				**30,000**	**45,000**	**75,000**	
13	**Sapota – without integration (8X8m) (Totalcost -Rs.45,000/Ha; 40 % Subsidy - Rs.18,000/Ha)**							
	Sapota Grafts(156layers)	Nos	156	100	15,600	0	15,600	156 plants will be distributed as a Government Subsidy from State Horticulture Farms
	FYM – 10 Kg/ tree i.e 1560 kg/Ha	MT	1.56	1500		2340	2340	By the farmers at their own cost
	N- 0.2 Kg/ tree i.e Urea -0.434 Kg/ tree, Urea ~ 90 Kg/Ha	Kg	90	5.92	532		532	Through PACCs
	P- 0.2 Kg/ tree i.e SSP 1.25 Kg/ tree, SSP ~200 Kg/Ha	Kg	200	12	1868	532	2400	
	K- 0.3 Kg/ tree i.e MOP -0.498 Kg/ tree, MOP ~100	Kg	100	30		3000	3000	

	Kg/Ha							
	Cost of Land preparation and intercultural operations					21128	21128	By farmers at their own cost
	Total				**18,000**	**27,000**	**45,000**	
14	**Pineapple (suckers) – without integration (30X60X90 cm) (Totalcost -Rs.66,000/Ha; 40 % Subsidy -Rs.26,400/Ha)**							
	Pineapple (suckers)Double row system of planting(30X60X90cm) Required no.of suckers -44,444 nos	Nos			26,400	39,600	66000	Back ended subsidy only through Direct Benefit Transfer
	Total				**26,400**	**39,600**	**66,000**	
15	**Fig (6x6m) - without integration (Totalcost –Rs.75,000/Ha @ 40 % Subsidy – Rs.30,000/Ha)**							
	Fig seedlings (278plants)	Nos	278	40	11,120		11,120	278Plants will be distributed as a Government Subsidy from State Horticulture Farms
	FYM – 30 kg/tree	MT	8.34	1500		12510	12510	By farmers at their own cost
	Urea – 1kg/ tree	kg	270	5.92	1598		1598	Through PACCs
	Super phosphate - 2.5 kg/tree	Kg	550	12	6600		6600	
	Neem cake -2.25 kg/tree	Kg	625.5	35	10682	11210	21892	
	Cost of Land preparationandintercultural operations					21280	21280	By farmers at their own cost
	Total				**30,000**	**45,000**	**75,000**	
16	**Avocado(5x5m) (Totalcost–Rs.75,000/Ha @ 40 %Subsidy –Rs.30,000/Ha)**							
	Avocado Grafts(400plants=270+130)	Nos	270	110	29,700	14,300	44,000	270Plants will be distributed as a Government Subsidy from State Horticulture Farms 130 plants from farmer contribution.
	Cost of Land preparation and intercultural operations				300	30,700	31,000	The subsidy amount of Rs.300/- will be provided to farmers as back ended subsidy through Direct Benefit Transfer.
	Total				**30,000**	**45,000**	**75,000**	
17	**Dragon fruit – with support system (Totalcost–Rs.4,05,000/Ha @ 40 %Subsidy – Rs.1,62,000/Ha) (3x3m)**							
	Dragon fruit - Spacing :3X3 m. No. of Pillars – 1110 Plant population: 4440 Nos	Ha			62,000	93,000	1,55,000	Back ended subsidy limited to Rs. 1,62,000/- only through Direct Benefit Transfer
	Support system				1,00,000	1,50,000	2,50,000	
	Total				**1,62,000**	**2,43,000**	**4,05,000**	

	Amla (6 X 6 m) (Totalcost-Rs.45,000/Ha @ 40 %Subsidy -Rs.18,000/Ha)							
	Amla grafts (278plants)	Nos	278	50	13,900		13,900	360 Plants will be distributed as Government Subsidy from State Horticulture Farms
	FYM – 10 Kg/tree	MT	2.78	1500		4170	4170	By the farmers at their own cost
18	N- 0.2 Kg/ tree i.e Urea -0.434 Kg/ tree, Urea ~ 90 Kg/Ha	Kg	90	5.92	533		533	Through PACCs only
	P- 0.5 Kg/ tree i.e SSP 3.125 Kg/ tree, SSP ~850 Kg/Ha	Kg	850	12	567	9633	10,200	
	K- 0.2 Kg/ tree i.e MOP -0.332 Kg/ tree, MOP ~100 Kg/Ha	Kg	100	30	3000		3,000	
	Cost of Land preparation and intercultural operations					13197	13197	By farmers at their own cost
	Total				**18,000**	**27,000**	**45,000**	
19	**Jack (8x8m) (Totalcost -Rs.45,000/Ha @ 40 %Subsidy -Rs.18,000/Ha)**							
	Jack grafts (156plants)	Nos	156	50	7,800		7800	156Plants will be distributed as a Government Subsidy from State Horticulture Farms
	FYM – 10 Kg/tree	MT	1.56	1500	1773	567	2,340	Back ended subsidy only through Direct Benefit Transfer
	N- 0.15 Kg/ tree i.e Urea -0.3255 Kg/ tree, Urea ~ 45 Kg/Ha	Kg	45	5.92	267		267	Through PACCs
	P- 0.08 Kg/ tree i.e SSP – 0.5 Kg/ tree, SSP ~100 Kg/Ha	Kg	100	12	1200		1,200	
	K- 0.10 Kg/ tree i.e MOP -0.166 Kg/ tree, MOP ~50 Kg/Ha	Kg	50	30	1500		1,500	
	Neem cake – 1 kg / tree	Kg	156	35	5460		5,460	
	Cost of Land preparation and intercultural operations					26,433	26,433	By farmers at their own cost
	Total				**18,000**	**27,000**	**45,000**	

Other Fruits-Back ended subsidy@ 40%								
20	**Mandarin Orange -without integration**				30,000	45000	75000	Back ended subsidy only through Direct Benefit Transfer
21	**Litchi - without integration**				30,000	45000	75000	
22	**Sweet Orange – without integration**				30,000	45000	75000	
23	**Mangosteen - without integration**				30,000	45000	75000	
24	**Rambutan - without integration**				30,000	45000	75000	
25	**Blueberry - without integration**				30,000	45000	75000	
	Flowers							
26	**Looseflowers**							
26.1	**Jasmine(1.25x1.25m) (Totalcost -Rs.30,000/Ha@ 40 % Subsidy -Rs.12,000/Ha)**							
	Jasmine rooted cuttings (spacing 1.25X1.25 M). The required no. of plants 6400 (800+5600 plants). No. of plants is restricted to 800	Nos	800	15	12,000	18,000	30,000	800Plantswill be distributed as a Government Subsidy from State Horticulture Farms
	Total				**12,000**	**18,000**	**30,000**	
26.2	**Marigold(Totalcost -Rs.30,000/Ha@ 40 % Subsidy -Rs.12,000/Ha)spacing 90x22.5 cm**							
	Marigold seedlings (44,400 plants = 2400+42000) no. of seedlings is restricted to 2400.	Nos	2400	5	12,000	18,000	30,000	2400Plants will be distributed as a Government Subsidy from State Horticulture Farms. Remaining seedlings from farmer contribution.
	Total				**12,000**	**18,000**	**30,000**	
26.3	**Crossandra (Totalcost -Rs.30,000/Ha@ 40 % Subsidy -Rs.12,000/Ha)spacing 60X40 cm**							
	Crossandra rooted cuttings (spacing 60X40 cm) The required no. of plants is 41667 plants(800+40867) . No. of plants is restricted to 800	Nos	800	15	12000	18000	30000	800 Plants will be distributed as a Government Subsidy from State Horticulture Farms. The remaining plants will be planted from farmer contribution.
	Total				**12,000**	**18,000**	**30,000**	

	Rose - (Total cost -Rs.30,000/Ha@ 40 % Subsidy -Rs.12,000/Ha)spacing 2X1 m							
26.4	Rose budded plants (spacing 2 X1 m) (5000 plants). No. of plants is restricted to 480	Nos	480	25	12000	18000	30000	480 Plants will be distributed as a Government Subsidy from State Horticulture Farms. The remaining plants will be planted from farmer contribution.
	Total				**12,000**	**18,000**	**30,000**	
	Lotus - (Total cost -Rs.30,000/Ha@ 40 % Subsidy -Rs.12,000/Ha)spacing 15X15 cm							
26.5	Lotus				12,000	18,000	30,000	Back ended subsidy only through Direct Benefit Transfer
	Total				**12,000**	**18,000**	**30,000**	
27	**Bulbous flowers**							
	Tube Rose (Total cost -Rs.1,50,000/Ha@ 40 % Subsidy -Rs.60,000/Ha)							
27.1	Tube rose bulbs (spacing 45X20 cm)(1,12,000 bulbs/Ha).				60,000	90,000	1,50,000	Back ended subsidy only through Direct Benefit Transfer
28	**SeedSpices(Total cost -Rs.30,000/Ha@ 40 % Subsidy -Rs.12,000/Ha)**							
	Chillies(Total cost -Rs.30,000/Ha@ 40 % Subsidy - Rs.12,000/Ha) (75x60cm)							
28.1	Protray seedlings-spacing 75*60 cm No. of seedlings/ Ha- 22222 Nos. (10000+12222)No. of seedlings is restricted to 10000 Nos.	Nos	10000	1.2	12,000	14666	26666	10000 Plants will be disturbed as a Government Subsidy from State Horticultural Farms
	Cost of INM/IPM, Land preparation, intercultural operations					3334	3334	By farmers at their own cost
	Total				**12,000**	**18,000**	**30,000**	
	Coriander(Totalcost -Rs.30,000/Ha@ 40 % Subsidy -Rs.12,000/Ha)							
28.2	Coriander seeds (Rainfed cultivation - 20-25 kg/Ha	Kgs	20	600	12000		12000	Procurement from any Government source only
	Cost of Land preparation and intercultural operations					18,000	18,000	By farmers at their own cost
	Total				**12,000**	**18,000**	**30,000**	
29.	**Rhizomatic Spices(Total cost - Rs.460,000/Ha @ 40 % Subsidy Rs.24,000/Ha)**							
29.	Rhizomaticspices(Turmeric, Ginger, Garlic)				24,000	36,000	60,000	Back ended subsidy only through Direct Benefit Transfer
	Total				**24,000**	**36,000**	**60,000**	
30.	**Perennial Spices(Total cost - Rs.60,000/Ha @ 40 % Subsidy Rs.24,000/Ha)**							
30.1	Black pepper - Rooted cuttings - Spacing (2.5X2.5M)	Nos	1600	15	24000		24000	1600 rooted cuttings will be Supplied from State Horticulture Farms

	Cost of INM/IPM, Land preparation, intercultural operations					36000	36000	By farmers at their own cost
	Total				**24000**	**36000**	**60000**	
30.2	Perennial spices- (Cinnamon, Clove, Curry leaf, Cardamom, & Nutmeg)				24000	36000	60000	Back ended subsidy only through Direct Benefit Transfer
	Total				**24000**	**36000**	**60000**	
31	**Plantation crops (Total cost - Rs.45,000/Ha @ 40 % Subsidy Rs.18,000/Ha)**							
	Cashew (7x7m) (Total cost - Rs.45,000/Ha @ 40 % Subsidy Rs.18,000/Ha)							
	Cashew Grafts (204 plants)	Nos	204	40	8160		8160	204Plants will be distributed as a Government Subsidy. from State Horticulture Farms
	N- 0.07 Kg/ tree i.e Urea -0.1519 Kg/ tree, Urea ~ 45 Kg/Ha	kg	45	5.92	266		266	Through PACCs
31.1	P- 0.04 Kg/ tree i.e SSP – 0.25 Kg/ tree, SSP ~50 Kg/Ha	kg	50	12	600		600	
	K- 0.06 Kg/ tree i.e MOP -0.0996 Kg/ tree, MOP ~50 Kg/Ha	kg	50	30	1500		1500	
	FYM – 10 Kg/tree	MT	2.04	1500	334	2726	3060	
	Neem cake – 1kg/tree	kg	204	35	7140		7140	
	Cost on Land preparation and interculturaloperations					24274	24274	By farmers at their own cost
	Total				**18000**	**27000**	**45000**	
31.2	Cocoa				18000	27000	45000	Back ended subsidy only through Direct Benefit Transfer
	Total				**18000**	**27000**	**45000**	
32	**Aromatic Crops& Medicinal Crops**							
32.1	Rosemary				30000	45000	75000	Back ended subsidy only through Direct Benefit Transfer
	Total				**30000**	**45000**	**75000**	
32.2	Vetiver				12000	18000	30000	Back ended subsidy only through Direct Benefit Transfer
	Total				**12000**	**18000**	**30000**	

C. Mushroom cultivation

C.33 .Mushroom production unit (Private)

Credit linked backended assistance will be provided for setting up of individual mushroom production unit as tabulated below.

S. No	Component	Amount (Rs. in lakhs)
1.	Building structure – Mushroom Growth Room, Mushroom Dark Room, Straw storage shed, Harvesting room, Packing room etc	15.000
2.	Equipment's and Machinery - Autoclave, Pulvarizer machine, chaff cutter machine, scaling machine, packaging materials, humidity controlling system, Ms racks etc	10.000
3.	Components - Poly bags, Paddy straw, Vermicompost, etc	3.000
4.	Miscellaneous	2.000
	Total Project Cost	**30.000**
	Max NHM Assistance (40%)	**12.000**

C.34 .Mushroom Spawn production unit (Private)

Credit linked backended assistance will be provided for setting up of individual mushroom spawn production unit as tabulated below.

S. No	Component	Amount (Rs. in lakhs)
1.	Building structure – Spawn Growth Room, Harvesting room, Packing room etc	8.000
2.	Equipment's and Machinery - Autoclave, Laminar Air Flow, Centrifuge, Blowers, etc	10.000
3.	Miscellaneous	2.000
	Total Project Cost	**20.000**
	Max NHM Assistance (40%)	**8.000**

D. Rejuvenation / replacement of senile plantation/ canopy management

D. 35.Rejuvenation/ replacement of senile plantation/ canopy management

- The maximum eligibility of a farmer to avail assistance under Rejuvenation/ replacement of senile plantation/ canopy management is 2 Ha.
- The assistance is provided for the gap filling, replacement of old plants and top working of unproductive plants.

S. No	Name of the unit	Unit	Qty	Rs.	Subsidy Amount (In Rs)	Farmer Contribution (In Rs)	Total cost (In Rs)	Remarks
D	**Rejuvenation/replacement of senile plantation/canopy management**							
35	**Top Working and Gap filling with new plants - Cashew (Total cost - Rs.10,000/Ha @ 40 % Subsidy - Rs.4,000/Ha)**							
	Plants for gap filling/ Canopy management/Top working (204=100+104)	Nos	100	40	4000	4160	8160	100 grafts will be distributed as Govt subsidy from State Horticulture Farms and 104 grafts from farmer contribution
	Labour charges for Gap filling and Top working					1840	1840	By farmers at their own cost
	Total				**4000**	**6000**	**10000**	

E. Creation of Water resources

E.36 Creation of Water Sources

1. Water harvesting system for individual pond size subsidy can be calculated on pro rata basis for smaller size.
2. RCC/ plastic lining is compulsory. The lining material should conform to BIS standards.
3. For non-lined ponds/ tanks (only in black cotton soils) cost will be 30% less.
4. The water bodies should be linked with Micro Irrigation for the judicious use of water.

S. No	Name of the component	Unit	Estimated unit cost (Rs. In lakhs)	Pattern of Assistance	Subsidy (Rs. in lakhs)	Remarks
36.	Water harvesting system for individuals – Construction of on farm ponds/ tanks with use of plastic/ RCC lining	Nos	1.50	50 %	0.75	Pond size 20mx20mx3m with 300 micron plastic /RCC lining @ Rs.125/- cum **Backended assistance subsidy only through Direct Benefit Transfer**

F. Protected cultivation

F. Protected cultivation

1. The maximum eligibility of a farmer to avail assistance under different components are as follows:
   - Poly green House, Shade Net and Cost Planting Material is 2500 sq.mt
   - Anti Bird Net is 10000 sq.mt
   - Walk in Tunnel is 3 units (each unit not exceed 800 sq.mt)
2. The Sub-component wise cost norms are tabulated as below.

S. No	Name of the component	Unit	Estimated unit cost (Rs. In lakhs)	Pattern of Assistance	Subsidy (Rs. in lakhs)	Remarks
37	Poly House Structure – Naturally ventilated system (Tubular/ Rectangular Structure)	Sq.mt	(per sq.mt) a) upto 500 – Rs.1200 b) 501 to 1008 – Rs.1050 c) 1009 to 2500 – Rs.1000	50 %	(per sq.mt) a) upto 500 – Rs.600 b) 501 to 1008 – Rs.525 c) 1009 to 2500 – Rs.500	Back ended subsidy only through Direct Benefit Transfer
38	Shade Net House – Tubular/ Rectangular Structure	Sq.mt	Rs.710/ sq.mt	50%	Rs.355/ sq.mt	Back ended subsidy only through Direct Benefit Transfer
39	Anti Bird Net/ Anti Hail nets	Sq.mt	Rs.50/ sq.mt	50%	Rs.25/ sq.mt	Back ended subsidy only through Direct Benefit Transfer
40	Walk in Tunnels	Sq.mt	Rs.720/ sq.mt	50%	Rs.360/ sq.mt	Back ended subsidy only through Direct Benefit Transfer
41	Cost of planting material & cultivation of Carnation & Gerbera in Poly houses	Sq.mt	Rs.600/ sq.mt	50%	Rs.300/ sq.mt	Back ended subsidy only through Direct Benefit Transfer
42	Cost of planting material & cultivation of Rose, Lilium & Chrysanthemeum in Poly houses	Sq.mt	Rs.450/ sq.mt	50%	Rs.225/ sq.mt	Back ended subsidy only through Direct Benefit Transfer
43	Cost of planting material & cultivation of high value fruits and vegetables grown in Poly houses/ net house	Sq.mt	Rs.150/ sq.mt	50%	Rs.755/ sq.mt	Back ended subsidy only through Direct Benefit Transfer

Quality testing parameters for poly green house and shade net House

S.No	Name of the materials	Sample size	Testing lab
1.	GI Pipes (Thickness)	0.5 m	Regional testing lab/Dept of Industries and Commerce
2.	Polythene sheets for Gauge & UV stabilization testing	1m x 1m	CIPET/regional testing lab
3.	Shade net - % & Quality	1m x 1m	CIPET/ regional testing lab

Technical specifications for protected cultivation - Green Houses

S.No	Specifications	Size	Cost norms
47. Poly Green House - Specifications			
1	Area of Poly Green House (Ground level)	Up to 500 Sq.mt 501 to 1008 Sq.mt 1009 to 2500 Sq.mt	Rs. 1200/Sq.mt Rs. 1050/Sq.mt Rs. 1000/Sq.mt
2	Grid size and shape	Length: Multiples of 8m along truss line Width: Multiples of 4m along purlin line Grid size: 4m X 8m	50% of the cost limited to 2500 Sq.mt/per beneficiary
3	Height	Gutter level: 4 m from ground level Ridge level: 6.5 to 7m (Central height)	
4	Column Foundation Pipe	75 mm G.I Pipe	
5	Corridor Foundation Pipe	60 mm G.I Pipe	
6	Main poles & Frames	42 mm G.I Pipe	
7	Trusses	33 mm G.I Pipe	
8	Purlins	25 mm G.I Pipe	
9	Poly film – UV Stabilized	200 micron	
10	Shade Net	50% (sunlight penetrable)	
11	Insect proof net	40 mm	
12	Drip Irrigation system/ Fogging/ Misting	Yes	
48. Shade Net House - Specifications			
S.No	**Specifications**	**Size**	**Cost norms**
1	Area of Shade Net House (Ground level)	Upto 2500 Sq.mt	Rs. 710/Sq.mt
2	Main poles & Frames	60 mm G.I Pipe	50% of the cost limited to 2500 Sq.mt/per beneficiary
3	Lengthwise & Breadthwise	48 mm G.I Pipe	
4	Lengthwise	42 mm G.I Pipe	
5	Shade Net	50%50% (sunlight penetrable)	
6	Drip Irrigation system/ Fogging/ Misting	Yes	

G. Promotion of INM /IPM

G.Promotion of INM /IPM

- The maximum eligibility of a farmer to avail assistance under Promotion of INM/IPM is 2 Ha.
- The assistance is provided to promote farmers to adopt Integrated Nutrient Management/ Integrated Pest Management.

S. No	Nameofthe unit	Unit	Qty	Rs.	Subsidy Amount (In Rs)	Farmer Contribution (In Rs)	Totalcost (In Rs)	Remarks
G	**Promotion of INM/ IPM**							
44	**Promotion of INM/ IPM (Total cost - Rs.5,000/Ha @ 30 % Subsidy - Rs.1,500/Ha)**							
1	Azospirillum	Kg	2	100	200		200	Supplied from Sate Horticulture Farms
2	Phosphobacteria	Kg	2	50	100		100	
3	Trichoderma viride	Kg	1	200	200		200	
4	Bacillus	Kg	2	150	300		300	
5	Fish Amino Acid	lit	1	200	200		200	
6	Panchakavya	Kg	2	100	200		200	
7	Dasakavya	Kg	2	150	300		300	
8	Other Bio Inputs					3500	3500	By farmers at their own cost
	Total				**1500**	**3500**	**5000**	

H. Organic Farming

H.45.Permanent Vermicompost Unit

- **Unit cost:** Rs.1.00 lakhs per unit
- **Subsidy Assistance**: 50% of the cost i.e., Rs.50,000/ unit
- The size of the unit of 30' x 8' x 2.5' dimension of permanent structure to be administered on pro-rata basis.

I. Pollination support through beekeeping

I. Pollination support through Bee keeping.

- The bee boxes/ hives will be provided to horticulture farmers to increase the productivity of the crops by providing pollination support.
- A farmer is eligible for assistance for a maximum of 10 nos. of bee hives/boxes containing 8 frames with bee colonies.
- A maximum of one Equipment set including honey extractor(4 frame), food grade container (30 kg), net including the complete set of Bee keeping equipment is eligible per person.
- The block ADH/HO/AHO should ensure that the farmers has been trained in the handling and maintenance of the honey bees before availing assistance.

S. No	Name of the component	Unit	Estimated unit cost (Rs. In lakhs)	Pattern of Assistance	Subsidy (Rs. in lakhs)	Remarks
46.	One unit of Bee Hives/ Boxes of 8 frames with bee colonies	Nos	0.04	40%	0.016	Backended subsidy only through Direct Benefit Transfer
47.	Equipment including honey extractor (4 frame), food grade container (30 kg), net, including the complete set of Bee keeping equipment	Nos	0.20	40%	0.04	Backended subsidy only through Direct Benefit Transfer

J. Front Line Demonstration

J.48.Front Line Demonstration (Public & Private)

- **Unit cost:** Rs.25.00 lakhs per unit
- **Assistance for Public Sector**: 100% of the cost i.e., Rs.25.00 lakhs per unit
- **Assistance for Private Sector**: 75% of the cost i.e., Rs.18.75 lakhs per unit.
- The latest technologies will be promoted on crop specific cultivation, use of integrated pest/ nutrient management, protected cultivation, organic farming etc in an compact area of 1 ha.
- For green house cultivation, area will be limited to 500 sq.mt.
- Under public sectors, farms, ICAR, SAus, Deemed Universities having faculty in horticulture are eligible for this component under 100% assistance.

K.Integrated Post Harvest Management

K. Integrated Post Harvest Management

1. Under post harvest management, including medicinal plants, activities like handling, grading, pre-conditioning, packaging, transit storage, transportation, distribution, curing, ripening and where long term storage can be taken up.
2. Assistance can be availed as a combination of PHM infrastructure also.
3. Individuals/ Farmers/ Beneficiaries/ Entrepreneurs/ Partnership or Proprietary firms/ Companies/ Corporations/ Public Sector Units/ Government Agencies/ Cooperatives/ Cooperative Marketing Federations/ Farmers Groups/ FPOs/ SHFGs/ Local Bodies/ Agricultural Produce Market Committees/ Marketing Bards/ State Governments etc are eligible to avail this assistance.
4. Public Sector Units/ Government Agencies/ Cooperatives/ Farmers Groups/ FPOs/ SHFGs etc that apply for this assistance should be registered/ recognized by the DMC and should have atleast 25 members per group. They may avail assistance without credit link, subject to the condition that they meet their share of the project cost.

48.Farm Gate Pack House

- **Unit cost:** Rs.25.00 lakhs per unit
- **Assistance for Private Sector**: 50% of the cost i.e., Rs.12.50 lakhs per unit
- A Farm Gate Packhouse Unit refers to a facility designed to efficiently manage and handle farm produce from the point of harvest to storage or further processing. This unit ensures that agricultural products are handled in a hygienic and organized manner, minimizing damage and maintaining quality.
- Key components of the unit includes – Shed with Furnished Concrete Floor, Movable Handling Trolley, Minimal Equipment, Sorting Table and Farm-Gate Standalone Cold Room (if required)
- A farm-gate standalone cold room may be installed to enhance farm operations, management, and produce handling. However, its installation is optional and can be undertaken based on specific individual requirements.
- The component should be implemented in accordance with the NCCD (National Center for Cold Chain Development) guidelines.
- The Basic Data Sheet and Drawings should be evaluated before the release of subsidy.

Sl. No.	Description & Name	Max. Allowable Qty.
1	**Farm Gate Pack house** The unit typically includes a well-constructed shed with a durable, smooth concrete floor to ensure cleanliness, stable surface for handling equipment and to reduce contamination and other risks.	Size of 6m x 9m
2	**Movable Handling Trolley**: A critical feature of the unit is the use of movable trolleys designed to carry crates or boxes filled with produce to facilitate the smooth transportation of goods from the farm fields to the handling unit, reduce manual labour and minimize the risk of bruising or damaging the produce.	Max 5 units
3	**Minimal Equipment:** Basic equipment such as electrical ceiling fans for ventilation and lighting to ensure adequate visibility.	
4	**Sorting Table:** Tables of size 3'x2'installed inside the facility to manually sort/ grade produces by workers/growers.	Max.3 units
5	**Farm Gate Stand alone Cold Storage *Add-on** The rationale is to provide short term storage which is able to help the farmer etc. in terms of curtailing the economic loss. In this case, in either of the three options only one can be chosen with capacity maximum upto 10MT/project **Option I:** Solar Photo Voltaic based system with battery and thermal storage **Option II:** Thermal Storage type(PCM, water) with auxiliary batteries, cold room running on gridwhereminimum8-10hrsofelectricityis available (DG Set not allowed) **Option III:** Cold Storage running on Bio-mass with either vapour absorption or adsorption technologies. **Option IV:** Conventional Cold Store running on grid electricity.	

BASICDATASHEETFORFARMGATEPACKHOUSE

NOMENCLATURE: _____

S. No.	Description	Unit	Details/Description
1	**Name of the Produce**	**NA**	
2	**Room size**	**mxmxm**	Chamber1:lx bxh;Chamber2:lxbxh;soon
3	**Vol of each room**	**Cu. mtr**	Chamber1:.....MT;Chamber2:.....MT(min. -5 MT, Max.-10MT)
4	**Total number of room**	**No**	
5	**Total capacity of the facility**	**MT**	
6	**Room Temp**	**°C**	
7	**Relative Humidity**	**%**	Depending upon the produce RH is to be maintained
8	**Produce loading rate**	**Kgs./day**	

S. No.	Description	Unit	Details/Description
9	**Produce incoming Temp**	**°C**	
10	**Ambient Temp**	**°C**	
11	**Pull Down Time**	**Hrs**	
12	**Insulation-walls**	**mm**	Follow BIS standards (min. Thickness not less than 100 mm)
13	**Insulation-floor**	**mm**	Follow BIS standards (min. Thickness not less than 80 mm)
14	**Insulation-door**	**mm**	Follow BIS standards (min. Thickness not less than 100 mm)
15	**Insulation-ceiling**	**mm**	Follow BIS standards (min. Thickness not less than 100 mm)
16	**Type of Cold Room**	**NA**	Please specify whether Solar based(Off-grid/On- Grid)/Bio-mass powered/Grid with thermal technology is being installed. At Farm gates conventional cold storages which work only on electricity will not be allowed.
17	**Type**	**NA**	Please mention as described above
18	**Technology**	**NA**	Mention Briefly about Type of Technology
19	**Refrigeration capacity**	**kW**	(including10%FactorofSafety)
20	**Type of Compressor**	**NA**	Please specify type whether hermetic/semi-hermetic/scroll
21	**Evaporating Temp**	**°C**	
22	**Condensing Temp**	**°C**	

49.Integrated Pack House

- **Unit cost:** Rs.160.00 lakhs per unit
- **Assistance for Private Sector:** 50% of the cost i.e., Rs.56.00 lakhs per unitas credit linked backended assistance through Direct Benefit Transfer.
- An Integrated packhouse (IP) is a place structure where harvested produce is brought in from the nearby farms and prepared for transport and distribution to markets. Integrated Packhouse (IP) operations include cleaning, washing, weighing, precooling (if required), sorting & grading, treatments, packing, cooling, storage and dispatch to market.
- The major components of an Integrated Pack House are as – Receiving Area, Weighing Scale, Enclosed Sorting and Grading Area, Pre-Cooling Unit, Transit Cold Room, Reefer Vehicle, Material Handling Equipment (MHE), Receiving and Dispatching unit.
- The component should be implemented in accordance with the NCCD (National Center for Cold Chain Development) guidelines.

- The Basic Data Sheet, Heat Load Calculation sheet, Drawings and Data sheets should be evaluated before the release of subsidy.

Minimum Standards To Be Followed:

1) The indicative dimensions are 18m x 22m with corner height of 5m and center height of 7m. These dimensions are exclusive of docking area and needs to be surrounded by covered dock area for loading un-loading on at least 2 sides. The inside of the packhouse (IP) needs to be maintained within comfort conditions of temperature and humidity and suitable Industrial air washers should be installed for this purpose.
2) Docking area to be kept on two sides of the packhouse (IP) with a minimum width of 2m x 1.06 m (width x height). At the places of placing dock leveller system appropriate width to be considered for seamless installation of dock leveller system and movement of MHEs from inside the Packhouse (IP) through the dock into the reefer truck for loading-unloading.
3) In case dock leveller systems are installed on one side then proper space should be maintained between the two dock leveller system to maintain uninterrupted movement of produce for loading and unloading. In that case the width of the other side of the dock can be reduced to 1 m with provision of ramp and staircase arrangement with access shutter doors/ any other type of suitable door providing access into the enclosed sorting and grading area.
4) Civil works involve the construction of 1.06 Mtr finish floor level raised platform. The finished floor should be kota stone/ epoxy or any other finished floor type. A proper level needs to be maintained inside the packhouse (IP) with drainage system for dispensing water.
5) Superstructure and the foundation to be designed by licensed structural/civil engineer. And the design shall meet the BIS standards and relevant seismic zone norms for earthquake proof design.
6) The Integrated Packhouse should have throughput a capacity of minimum 15 MT upto 30 MT and is equipped with facilities of a mechanised conveyor belt, sorting, grading units, washing, drying, and weighing. (Min. one no. 15MT chamber to be installed mandatorily). It would be preferred to run these transit cold stores on DRE technology (De-centralized Renewable Energy) or Hybrid mode or thermal storage type or conventional cold rooms.
7) A Pre-Cooling Unit is required, though it's only needed for certain produce. 20 m3 will be considered per one MT to pre-cool the produce. Pre-coolers would not be allowed on DRE technology.
8) The floor in the transit cold rooms should be of base concrete, with kota stone/ epoxy or any other finished floor type inside the floor chambers. Floor insulation slab preferably XPS (EPS not allowed) laid in two layers. The Floor should be cleaned, painted with black Japan paint and then laid with 1st layer of vapour barrier which can be either 250 microns tarfelt sheet or polythene sheet of suitable thickness. The

vapour barrier should be covered with 1st layer of insulation and overlaid with 2nd layer of insulation in a manner to cut the gaps in the first layer of insulation. The joints can be filled with suitable hot grade bitumen (80:25). The 2nd layer of insulation is then covered with 2nd layer of vapour barrier which would be upto 1 mm thick tar felt or poly felt sheets with 5 mm overlap on the walls.

9) The laying of Trimix should be 75 MM to 100 MM thickness with any suitable finish like kota stone, epoxy etc. and anti-skid tapping. The floor level of the cold storage should match the floor level of the Integrated packhouse (IP) for easy movement of material as well as MHEs. In case of raised floor levels, a suitable graded ramp to be either fixed or made outside the door for mechanised movement of the goods.

10) The Cold Room should be installed in such a way that small HPTs/BOPTs can be used to load/un-load the material mechanically.

Insulation & Doors

11) The cold room insulation should be PUF/PIR or any other new environment friendly insulating material of thickness min 100 mm. sandwiched in either pre-painted GI (0.45 mm Min. thickness) or SS (food grade SS-306) sheets.

12) The insulated door should be either overlap or inline or sliding but of the same thickness as that of the panel with a view window on the door properly fitted along with heater for anti- condensation on the glass. The door should be fitted with strip curtains form inside with 0.5 mm overlap from SS hooks or hangers.

Supply Chain

13) One (1) no. Refrigerated transport vehicles of minimum load carrying capacity 1 MT and max. upto 2 MT (either ICE or EV). The load carrying capacity of container is determined after subtracting the sum of (kerb weight of the chassis + container weight + weight of Reefer unit) from the Gross Vehicle Weight (GVW) of the chassis. This component is added to ensure seamless connectivity at primary level.

14) The place for refrigeration machines, DG set (need base as per individual requirement), etc should be adjacent to the proposed enclosed packhouse (IP) with sufficient space for small vehicles to move in and out. D G Sets to be installed as per the norms and guidelines of respective Pollution Control Boards or as notified from time to time by Govt. Of India. The changes in the rules for any such components which may be listed under the polluting norms including DG Sets would be applicable as per revised norms issued by relevant regulatory authority state and central both as well as by NCCD.

15) At least three storage pits for vegetable waste with proper methodology.

Design Guidelines:

16) Utilize Cam Lock Joints and Continued PUF (Polyurethane Foam) Panel insulation for Integrated Pack Houses. These panels should have

a density of 40kg ± 2kg and a thickness of minimum 100 mm. Proper sanitation and safety measures to be taken for the welfare of the workers/staffs working.

17) Prioritize a design that emphasizes low energy consumption.

18) Consider the possibility of prefabricated and modular construction, eliminating the need for extensive civil work.

Sl. No.	Description & Name	Max. Allowable Qty.
1	**Integrated Packhouse (IP)** Integrated Packhouse (IP)of size 18m x 22m with facilities of Receiving Area, weighing bridge, Washing, Enclosed Sorting and Grading Area with mechanized sorting/grading conveyor-based system.	Sizeof18mx 22m
2	**Material Handling Equipment (MHE):** 1.Above 1 ton HPT 2. Crates/ Bin	Max.2unit Max. 50 MT
4	**Dock Leveller System (DLS)**	Max.2units
5	**Pre cooling (if required)*** (Based on requirement, not exceedingmorethan3MTas cumulative capacity)	Max.3MT
6	**Cold Room Transit (Option I) –** Decentralized cold storages based on solar technologie sorhy brid running on batteries, solar Panels, micro controllers, etc. along with ante rooms, Thermals torages (all kinds), insulation, doors, necessary civil work and refrigeration systems.	Max. 30 MT (2 chambers of 15 MT)
	Cold Room Transit (Option II) - In case of cold rooms based on Thermal storage type where electric energy is available for 8 hrs/day(No DG Sets are allowed)	Max. 30 MT (2 chambers of 15 MT)
	Cold Room Transit(Option III) - The cold room transit are conventional cold rooms working on conventional refrigerants with ante rooms, insulation, doors necessary inside civil work and refrigeration systems.	Max. 30 MT (2 chambers of 15 MT)
7	**Reefer Vehicle of load carrying capacity of min. 1 MT upto 2 MT (EV or ICE)** The load carrying capacity of container is determined after subtracting the sum of (kerb weight of the chassis + container weight + weight of Reefer unit) from the Gross Vehicle Weight (GVW) of the chassis.	1no.Vehicle of min. 1MT upto 2MT

BASICDATASHEETFORINTEGRATED PACKHOUSE/COLLECTION AGGREGATION CENTRE

NOMENCLATURE: _____

S.No.	Description	Unit	Remark
	ShedArea		
1	**Compound Area/Gated Plot Size**	mxm	
2	**Size of Shed(lxbxh)**	mxmxm	
3	**Dimension of Dock Area**	mxm	
4	**a)Dock Leveler**		
	i.Size (lxbxh)	mxmxm	
	ii.Capacity	MT	
	iii.Make	NA	
	b)Dock Door		
	i.Size & Opening	mxm	
	ii.Type of Insulation & thickness	mm	
	iii.Make	NA	
	c)Dock Shelter		
	i.Type of Dock Shelter	NA	
	ii.Vehicle Hazard Light	No.	
	iii.Size of Dock Shelter	mxm	
	d)Pack house shutter doors-Size & No.	mxm	
	Integrated Pack house Internal Details		
5	**Washing Area Size(lxb)**	mxm	
6	**Washing Type**		
	a)integrated with conveyor system	NA	
	b)Support washing tank with stirrer size (lxb)	mxm	
7	**Conveyor Capacity**	MT/hr.	
8	**Conveyor Size(lxbxh)**	mxmxm	
9	**Type of Fruits conveyor can handle**	NA	Round/Long
10	**Operating Method of Sorting/grading Unit**		Automatic or Manual. Provide details
11	**Total conveyor system electricity consumption**	kWh	
12	**Weighing Bridge Capacity**	MT	Capacity of the weighing bridge
13	**Dimensions of the weighing bridge**	mxm	

Pre-CoolerDetails:

S.No.	Description	Unit	Remark
1	**Size of the pre cooler(lxbxh)**	Mxmxm	
2	**Produce to be pre cooled**	NA	
3	**Pre cooler capacity**	MT	
4	**Temperature and RH%**	°C/%	
5	**Insulation Thickness**	Mm	
6	**No. Of Doors & thickness**	No./mm	
7	**Type of Pre cooler Evaporator**	NA	
8	**Type of Condensing Unit**	NA	Water/air cooled etc.
9	**Capacity of the condensing unit**	kW	

10	**Loading per batch**	Ton/Batch	
11	**Pull Down Time**	Hrs	
12	**Air Flow inside the pre cooler**	CFM	
13	**Evaporating Temp of the pre cooler**	°C	
14	**Ambient Temp**	°C	
15	**Refrigerant Used**	NA	
16	**No. Off ans on the evaporator & size**	No./mm	
17	**Whether forced draft or induced draft**	NA	
18	**No. Of batches in a day**	No.	
19	**Type of stacking**	NA	crates/pallets/bins, etc.
20	**Total Connected Power**	KW	

Cold Room Details:

S.No.	Description	Unit	Details/Description
1	**Name of the Produce**	NA	
2	**Room size**	mxmxm	Chamber1:lxbxh;Chamber 2: l x b x h; so on
3	**Vol of each room**	Cu. mtr	Chamber1:.....MT; Chamber 2 : ..... MT (min. -5 MT, Max.-10MT)
4	**Total number of room**	No	
5	**Total capacity of the facility**	MT	
6	**Room Temp**	°C	
7	**Relative Humidity**	%	Depending upon the produce RH is to be maintained
8	**Produce loading rate**	Kgs./day	
9	**Produce incoming Temp**	°C	
10	**Ambient Temp**	°C	
11	**Pull Down Time**	Hrs	
12	**Insulation- walls**	mm	Follow BIS standards (min. Thickness not less than 100 mm)
13	**Insulation- floor**	mm	Follow BIS standards (min. Thickness not less than 80 mm)
14	**Insulation- door**	mm	Follow BIS standards (min. Thickness not less than 100 mm)
15	**Insulation- ceiling**	mm	Follow BIS standards (min. Thickness not less than 100 mm)
16	**Type of Cold Room**	NA	Please specify whether Solar based (Off-grid/On-Grid)/Bio-mass powered/Grid with thermal technology is being installed. At Farm gates conventional cold storages which work only on electricity will not be allowed.
17	**Type**	NA	Please mention as described above
18	**technology**	NA	Mention Briefly about Type of Technology

19	**Refrigeration capacity**	kW	(including 10% Factor of Safety)
20	**Type of Compressor**	NA	Please specify type whether hermetic/semi-hermetic/scroll
21	**Evaporating Temp**	°C	
22	**Condensing Temp**	°C	
S.No.	**Description**	**Unit**	**Details/Description**
23	**Type of Evaporator**	NA	Please specify type
24	**No. Of Fans in Evaporator/Size of fans**	No./mm	
25	**Air Flow**	CFM/CMH	
26	**Available grid connection at the site/type of phase/voltage**	kW	Available connected load/ single phase/3-phase- give details
27	**Solar Panel Capacity**	kW	
28	**Types & No. of solar panels**	No.	Mono, etc.- please specify
29	**DG Set capacity, fuel (optional as required)**		With catalytic convertor
30	**Type of thermal storage**	NA	Whether water/PCM
31	**Qty of PCM**	Kgs.	
32	**No. of thermal storages**	No.	In case of more than one room whether entire thermal storage capacity is accessible by all rooms. Please specify.
33	**NO. of batteries and capacity/ type of battery**	No./VAH/NA	Lithium-ion/lead, etc.
34	**Electrical Load Connected on batteries**	kW	
35	**Type of fuel for bio-mass**		Specify type
38	**Consumption rate of bio-mass**	Kg/hr	
39	**All Electrical load used in bio-mass technology**	kW	Please specify total load or no. of batteries /capacity of the batteries in case electrical load is not used
40	**Refrigeration technology in bio-mass**	NA	Whether absorption or adsorption?
41	**Machine make & model /Number**	NA	
42	**Type of refrigeration system**	NA	Individual /centralised
43	**Refrigerant Used**	NA	R404A, R134A etc.
44	**Secondary Refrigerant if used**	NA	
45	**Ante room size and capacity**	L x b x h / MT	Follow BIS standards (min. Thickness not less than 60 mm)
46	**Ante Room Temp**	°C	
47	**Method of stacking**	NA	Boxes, crates, racks, double deep racks, pallets etc.
48	**Total Power Consumption per Day**	kWH	
49	**Unit Rate per Day**	Rs./unit	
50	**Cost of Energy**	Rs./day	

Reefer Details:

S.No.	Description	Unit	Remark
1	Type of Reefer Vehicle	NA	
2	Container Size In Ft(LXW XH)	Mxmxm	
3	Gross Vehicle Weight (Gvw)Of Chassis	Tons	
4	Kerb Weight Of Chassis	Kgs	
5	Container Weight	Kgs	
6	Weight Of Reefer Unit	Kgs	
7	Load Carrying Capacity Of Reefer Truck	Kgs	
8	Component: Refrigerated Transport	NA	Description
A	Truck Chassis Details		
1	Chassis number	NA	
2	Make and Engine Model	NA	
3	Type of Vehicle (Diesel/CNG/Electric/Others)	NA	
4	Engine power (kw)	kW	
5	Rated pay load – carrying capacity of vehicle (tons)	Tons	
6	Outer dimensions of vehicle (LxBxH)Mt	Mxmxm	
7	Drive Cabin details (with AC / without AC)	NA	
8	Total number of tyres	No.	
B	Insulated Container		
1	Container dimensions (L x B x H) Mt	M x m x m	
2	Insulation Material Type	NA	
3	Insulation Thermal Conductivity (K Factor)	W/m °C	
4	Insulation Thickness (in MM)	mm	
5	Container Type (GRP / MS/ STEEL/OTHER)	NA	
6	Weight (Kgs) of Container	Kgs	
7	Name of Container Manufacturer	NA	
8	Year of Container manufacturing	NA	
9	Application (Chilled / Frozen)	NA	
C	Refrigeration Unit		
1	Make and Model number	NA	
2	Unit Type (Self Powered/ Vehicle Powered/ Electric/ Eutectic/ Other)	NA	
3	Refrigerant used	NA	
S.No.	**Description**	**Unit**	**Remark**
4	Refrigeration capacity (kW)	Kw	
5	Compressor Displacement (CC)	Cm3	
6	Defrosting system (Hot gas/ Electric)	NA	
7	Air flow (cum/hr.)	CFM/CFH	
8	Standby Motor Load (kW)	kW	
9	Diesel/ electric auto- switching used	NA	
10	Controls Type (Manual/ Automatic)	NA	
D	Telematics		
1	Temperature remote Monitoring & Controlling device Type	NA	
2	GPS (Make and model)	NA	

1	**Type of Software used**	Brief description about the software, system and application
2	**Name of the Software manufacturer**	
3	**Trace ability system**	Provide details, ability to assign farm codes, build code plan, to print labels, RFID tags, etc.
4	**Labelling System & Printing details**	Describe type of labelling done on the material enumerating all the details regarding produce, name of the produce, input received, name of the farmer, no. Of packages, days to be stored, and appropriate final destination,
5	**Certification details (if any)**	Type of tests conducted and certifying authority

S. No.	Parameters	Unit	Value	Power Utilization Ratio
1	**Sanctioned Load by the Respective Board**	**kW**	Please specify load that you are going to install	
2	**Total Power Requirement at Peak Load Period**	**kW-h**		Power requirement at peak load/Total Sanctioned Power
3	**Total Power Requirement at Holding Load Period**	**kW-h**		Power requirement at holding load / Total Sanctioned Power
4	**Total Power Requirement at Lean Load Period**	**kW-h**		Power requirement at Lean load/Total Sanctioned Power

50. Low Cost Onion/ Garlic Storage Structures

- **Unit cost -** Rs.7000/ MT
- **Assistance for Private Sector:** 50% of the cost in pro rata basis as detailed below.
- Assistance will be credit linked if the total project cost is more than Rs.30.00 lakhs.

S. No	Name of the component	Unit	Estimated unit cost (Rs. In lakhs)	Pattern of Assistance	Subsidy (Rs. in lakhs)	Remarks
1.	Low Cost Onion Storage Structure	MT	a) 5-25 – Rs.10000/ MT b) 25-500 – Rs.8000/ MT c) 500-1000 – Rs.6000/ MT	50 %	a) 5-25 – Rs.5000/ MT b) 25-500 – Rs.4000/ MT c) 500-1000 – Rs.3000/ MT	Backended subsidy only through Direct Benefit Transfer

S.No	Specifications	Size	Cost norms
1	Capacity (0.75 MT/1m³)	25 MT	2.5 lakhs/ Unit 50% of the cost.
2	Size of the structure	1000 Sq.ft	
3	**Roofing material** - GI/Galvalume sheets a.10 Nos of Pillar b. "A" angle - MS Square pipe		
4	**Storage chambers for storage of onion** - Diamond mesh/Square mesh/Split bamboos with angle support - should be covered all the four sides	150 cm (Height)	
5	Bottom Ventilation - Height from the ground level	30 cm	
6	Centre pathway (between two storage chambers)	120 cm	

51. Pre cooling Unit

- **Unit Cost** – Rs.5.00 lakhs/MT
- **Assistance for Private Sector** – 35% of the cost., Rs.1.75 lakhs/MT
- **Types of Pre – cooling** – Room Cooling, Forced Air Cooling (FAC), Hydro Cooling (HC), Vacuum Cooling and Evaporative Cooling (EC).
- The component should be implemented in accordance with the NCCD (National Center for Cold Chain Development) guidelines.

Minimum Standards To Be Followed For Forced Air Precoolers:

1. A Pre-Cooling Unit with a capacity of 3 metric tons (MT) may be installed as an component in an Integrated packhouse.
2. A Pre-Cooling Unit with a capacity of minimum 3 metric tons (MT) and maximum upto 6 MT may be installed as a component in a Collection & Aggregation Centre.
3. **20 Cu. Mtr. should be considered per one MT** to pre-cool the produce since in a precooler the stacking pattern is normally either near to the fan or lined up to create an air tunnel of cold and humid air for rapid cooling inside the chamber where produce is stored as a batch of MT.
4. Pre-coolers would not be allowed on DRE technology, since it requires sufficient amount of refrigeration capacity to cool a relevant batch of produce (MT) upto the desired precooling temperatures (normally between 4-6°C and 80% of the desired temperature condition) in prescribed time limit of 4-6 hrs.
5. Maintaining of required RH levels is necessary and should be part of the design conditions while designing a pre-cooler. Additional humidifiers may be installed to maintain the requisite humidity.
6. The height of the precooler should not exceed 4 mtr. Less than 4 m is allowed as per the design and required condition of the applicant.

7. It is important to maintain a minimum free space of appx. 1.5 m between the door and the last part of the stack. In pre-cooler the stacking is done from the point where the fans are installed.
8. The place of precooler should be chosen in such a way that it allows movement of produce into the transit cold storage in a seamless manner.
9. he precooler insulation should be PUF/PIR (excluding EPS) or any other new environment friendly insulating material of min thickness 100 mm. sandwiched in either pre-painted GI(0.45 mm Min. thickness) or SS(food grade SS-306) sheets.
10. The insulated door should be either overlap or inline or sliding but of the same thickness as that of the insulated panel.
11. The precooler door should be fitted with strip curtains form inside with 0.5 mm overlap from SS hooks or hangers. The door sizes should be chosen appropriately for easy access to goods and movement of either Battery operated MHEs, or HPTs as the case may be.
12. Minimum door size recommended is 1mtr x 2 mtr (± 5% variation would be accepted on the min recommended size, however the upper size can be selected as per requirement).
13. The floor level of the precooler should match the floor level of the packhouse for easy movement of material as well as MHEs. In case of raised floor levels a suitable graded ramp to be either fixed or made outside the door for mechanised movement of the goods.
14. The internal height of the precooler (not more than 4m) should be designed in such a way that it should easily accommodate floor mounted precooling refrigeration units to maintain temp and humidity inside the chamber.
15. The floor in the precooler should be of base concrete, with kota stone/ epoxy or any other finished floor type inside the floor chambers. Floor insulation slab preferably XPS (EPS not allowed) laid in two layers. The Floor should be cleaned, painted with black japan paint and then laid with 1st layer of vapour barrier which can be either 250 microns tarfelt sheet or polythene sheet of suitable thickness. The vapour barrier should be covered with 1st layer of insulation and overlaid with 2nd layer of insulation in a manner to cut the gaps in the first layer of insulation. The joints can be filled with suitable hot grade bitumen (80:25). The 2^{nd} layer of insulation is then covered with 2nd layer of vapour barrier which would be upto 1 mm thick tar felt or poly felt sheets with 5 mm overlap on the walls.
16. The laying of Trimix should be 75 MM to 100 MM thickness with any suitable finish like kota stone, epoxy etc. and anti skid tapping. The floor level of the cold storage should match the floor level of the Precooler for easy movement of material as well as MHEs. In case of raised floor levels a suitable graded ramp to be either fixed or made outside the door for mechanised movement of the goods.

17. The precooler should be installed in such a way that small HPTs/BOPTs can be used to load/un-load the material mechanically.

Pre-Cooler Unit:

18. The air flow should be maintained between 2-3 CFM/kg of produce. Sufficient Air velocity should be considered to ensure throw upto the length of the room.
19. This is the core component responsible for removing heat from the product. The precooling unit normally is a floor mounted unit which allows movement of cold moist air within the stacked produce uniformly and rapidly. Ceiling mounted systems can be also used with certain amount of modification and should meet the required conditions.
20. The condensing unit should be designed with the proper refrigeration capacity. Keeping in view the sustainable development the selection of refrigerant should be done carefully and importantly.
21. In conventional storage, Refrigerants having potential for Ozone Depletion# and GWP ranging more than 1500 (like R22, R404A etc.) are not allowed for temperature range 0° C and above. Wherever possible and depending upon the wet bulb approach either water cooled condensers or air cooled condensers with adiabatic cooling should be used to help in reducing the energy costs thereby promoting sustainable development in the cold chain sector.
22. The selection of the type of the compressor should be done with care depending upon the capacity of the compressor at the desired conditions; its working envelope serviceability should be kept in mind while choosing the desired unit.
23. Inverter compressors / digital compressors /semi-hermetic compressors/screw compressors with capacity control which allows optimization of capacity as required thereby lowering the energy cycle cost are encouraged and preferred.

Sl. No.	Description & Name	Max. Allowable Qty.
1	Pre-cooling unit: Integrated Packhouse	Max. 3 MT
2	Collection & Aggregation Centre	Max. 6 MT Min. 3 MT
3	Cold Stores (<3000 MT)	Max. 6 MT
4	Cold Stores (>3000 MT)	Max. 12 MT (2 x 6MT)

52. Primary/ Minimal Processing Unit

- **Unit Cost** – Rs.35.00 lakhs per unit
- **Assistance for Private Sector** – 35% of the cost., Rs.12.25 lakhs per unit as credit linked backended assistancethrough Direct Benefit Transfer.

- This component will be considered only integrated with other components of MIDH scheme.

53. Refrigerated Transport Vehicles

- **Unit Cost** – Rs.31.00 lakhs per vehicle
- **Assistance for Private Sector** – 35% of the cost., max upto Rs.10.85 lakhs per vehicleas credit linked backended assistancethrough Direct Benefit Transfer.
- The vehicle should have a min. capacity of 4 MT and a max. capacity of 14 MT and assistance will be provided on prorata basis for smaller MT.
- For Refrigerated Transport Vehicle, 3 cu.m (106 ft) of chamber volume will be equivalent to 1 MT capacity of storage.
- The component should be implemented in accordance with the NCCD (National Center for Cold Chain Development) guidelines.
- Contains Reefer Containers and Reefer Trucks
- All subsidies on the reefer will be based on **"The Load Carrying Capacity of the Container"** only.
- This component should be implemented in accordance with NCCD guidelines.

The load carrying capacity of container is determined after subtracting the sum of kerb weight of the chassis + container weight + weight of Reefer unit from the Gross Vehicle Weight (GVW) of the chassis. Sample Calculation Sheet is as follows:

S.No.	Description	WightInKgs	WeightInMt
1	Gross Vehicle Weight (Gvw)Of Chassis	16000	16
2	Kerb Weight Of Chassis	5000	5
3	Container Weight	2000	2
4	Weight Of Reefer Unit	600	0.6
	Load Carrying Capacity Of Reefer Truck	**8400**	**8.4**

- Fresh fruits and vegetables generally require temperatures between 0°C and 15°C with higher relative humidity (RH) levels (85-95%) to maintain freshness and prevent wilting.
- **The guidelines are as follows**:

The beneficiary cannot claim more than 70MT in one application (e.g.- 14MT x 5 no. vehicles) and after submitting due usage of vehicles - purpose of transporting horticulture produce, names of the produce transported, Reefer RCs, insurance, etc. at the time of new application can apply for another 5 no. vehicles

(e.g.- 14MT x 5 no. vehicles) under the same name and style. The max. capping is as follows:

4 MT - 6 MT: Max. 11 vehicles in batches of two application

6MT – 9MT: Max. 11 vehicles in batches of two application

10MT – 14MT: Max. 10 vehicles in batches of two application

Note : A beneficiary cannot avail subsidy under the same name and style on more than cumulative capacity of 140MT (irrespective of reefer capacity or combination) in a period of 4 years.

1. Mission can support Refrigerated Transport between 4 MT upto 14 MT.
2. The new technologies should be promoted and capacities to be derived on the basis of The Load Carrying Capacity of the Container.
3. The vehicle should be equipped with GPS enabled systems and telematics for access and control.
4. Liquified N2 technology, etc. will also be admissible.

BASIC DATA SHEET FOR REFRIGERATED TRANSPORT

S. No.	Component: Refrigerated Transport	Unit	Description
A	**Truck ChassisDetails**		
1	Chassis number	NA	
2	Make and Engine Model	NA	
3	Type of Vehicle (Diesel/CNG/ Electric/ Others)	NA	
4	Engine power (kw)	kW	
5	Rated payload-carrying capacity of vehicle (tons)	MT	
6	Outer dimensions of vehicle (Lx B x H) Mt	mxmxm	
7	Drive Cabin details (with AC/ without AC)	NA	
8	Total number of tyres	No.	
B	**Insulated Container**		
9	Container dimensions (LxBxH) Mt	mxmxm	
10	Insulation Material Type	NA	
11	Insulation Thermal Conductivity (K Factor)	W/m.K	
12	Insulation Thickness(inMM)	mm	
13	Container Type(GRP/MS/ STEEL/OTHER)	NA	
14	Weight (Kgs) of Container	Kgs.	
15	Name of Container Manufacturer	NA	
16	Container manufacturing year	Year	
17	Application (Chilled/Frozen)	NA	
C	**Refrigeration Unit**		
18	Make and Model number	NA	
19	Unit Type (Self Powered/Vehicle Powered/ Electric/ Eutectic/ Other)	NA	
20	Refrigerant used	NA	
21	Refrigeration capacity(kW)	kW	

S. No.	Component: Refrigerated Transport	Unit	Description
22	Compressor Displacement(CC)	cc	
23	Defrosting system (Hotgas/ Electric)	NA	
24	Airflow(cum/hr.)	m^3/hr.	
25	Stand by Motor Load(kW)	kW	
26	Diesel/electric auto-switching used	NA	
27	Controls Type(Manual/ Automatic)	NA	
D	**Telematics**		
28	Temperature remote Monitoring & Controlling device Type	NA	
29	GPS(Make and model)	NA	
E	**Registration Details**		
30	Vehicle Registered As:	NA	
31	State of Registration	NA	
32	RTO Office	NA	
33	RC Details	NA	
34	Any Other	NA	
F	**Details of Existing Vehicles**		
35	No. of vehicles availed previously	No.s	
36	Capacity of availed vehicles	MT	
37	Date of claiming previous subsidy	NA	
38	Board/Organization from where subsidy released		

L. Establishment of Marketing infrastructure

L.Establishment of Marketing infrastructure

54.Static/Mobile vending cart/Platform with cool chamber

- **Unit cost** – Rs. 30,000/ nos.
- **Assistance for Private Sector -** 50% of the cost., Rs.15,000/ nos.
- Assistance will be available to Individuals/ Farmers/ Farmer Groups/ and Self Help Groups.

M. Special intervention

M.Special Intervention:

The cost norms of Innovative interventions not covered under any Government of India schemes and approved as special programme under MIDH are as follows:

S. No	Name of the component	Unit	Estimated unit cost (Rs. In lakhs)	Pattern of Assistance	Subsidy (Rs. in lakhs)	Remarks
55.	Area Expansion – Potato (in non – traditional areas)	Ha	0.40	50%	0.20	Backened Assistance through Direct Benefit Transfer to non traditional potato growing farmers
56.	Cashew cutting machine	Nos	0.12	50%	0.06	Backened Assistance through Direct Benefit Transfer
57.	Cashew separator	Nos	0.60	50%	0.30	Backened Assistance through Direct Benefit Transfer
58.	Farm Deficiency Correction (FDC)	Nos	0.04	50%	0.02	List of farm equipment that can be procured in the Table below. Backened Assistance through Direct Benefit Transfer
59.	Promotion of Jack – Introduction of new commercial varieties	Ha	0.36	50%	0.18	New varieties like Sankara, Siddhu, Vietnam early, J 33 etc to be promoted. Backened Assistance through Direct Benefit Transfer
60.	Removal of prosopis and planting of chillies – cluster development of chillies	Ha	0.15	50%	0.075	Backened Assistance through Direct Benefit Transfer

Indicative List of Farm Inputs Eligible Under Farm Deficiency Correction(FDC)

S. No	List of inputs	S. No	List of inputs
1.	Ladder	20.	Coco- peat bags
2.	Plastic crates	21.	Mud pots
3.	Pipeline	22.	Water barrel
4.	Secateurs	23.	Plastic nets for harvesting
5.	Iron poles for gourds	24.	Pruning saw
6.	Wooden plough	25.	Polythene sheet
7.	Leveler	26.	Garden tools for nursery
8.	Bamboo basket	27.	Iron poles for beans cultivation
9.	Digging fork	28.	Staking material
10.	Winnower	29.	Latex tapper
11.	Hand hoe	30.	Spade
12.	Crowbar	31.	Axe
13.	Scythe	32.	Hedge Shear
14.	Sickle	33.	Lopping Shear
15.	Tarpaulin sheet	34.	Flower Scissors
16.	Weighing balance	35.	Budding Knife
17.	Pruning and Slashing Knives		**Any other inputs needed for horticulture crop cultivation**
18.	Barbed wire roll		
19.	Rose can		

N. Mission Management

Mission Management:

- For managing various activities of Mission at State & District Mission offices and implementing agencies for administrative expenses, Consultants at State and District level, project preparation, computerization, contingency etc 25% of total annual expenditure will be provided to State Horticulture Missions/ Implementing Agencies.
- **Assistance to Public Sector** - 100% assistance to public sector ie., details are as follows:

S. No	Name of the component	Unit	Estimated unit cost (Rs. In lakhs)	Pattern of Assistance	Subsidy (Rs. in lakhs)	Remarks
61.	District Level Seminar	Nos	2	100%	2	
62.	State Level Seminar	Nos	3	100%	3	

O. Dharthi Aaba Janjatiya Gram Utkarsh Abhiyan

MIDH -DAJGUA -Cost Split up Details								
S. No	**Name of the unit**	**Unit**	**Qty**	**Rs.**	**Subsidy Amount (In Rs)**	**Farmer Contribution (In Rs)**	**Totalcost (In Rs)**	**Remarks**
	Amla (6 X 6 m) (Totalcost-Rs.45,000/Ha @ 90 %Subsidy -Rs.40,500/Ha)							
	Amla grafts (278plants)	Nos	278	50	13,900		13,900	360 Plants will be distributed as Government Subsidy from State Horticulture Farms
	FYM – 10 Kg/tree	MT	2.78	1500	4,170		4170	Backended subsidy as Direct Benefit Transfer
63	N- 0.2 Kg/ tree i.e Urea -0.434 Kg/ tree, Urea ~ 90 Kg/Ha	Kg	90	5.92	533		533	Through PACCs only
	P- 0.5 Kg/ tree i.e SSP 3.125 Kg/ tree, SSP ~850 Kg/Ha	Kg	850	12	10,200		10,200	
	K- 0.2 Kg/ tree i.e MOP -0.332 Kg/ tree, MOP ~100 Kg/Ha	Kg	100	30	3,000		3,000	
	Cost of Land preparation and intercultural operations				8697	4500	13197	Rs.8697 will be provided as Back ended subsidy and Rs.4500 will be borne by the farmers at their own cost
	Total				**40,500**	**4,500**	**45,000**	
	Acid Lime (6X6m) (Total cost -Rs.75,000/Ha; 90 % Subsidy -Rs.67,500/Ha)							
	Acid lime layers(278layers)	Nos	278	25	6950		6950	278Plantswill be supplied from State Horticulture Farms as a Government Subsidy
64	FYM – 10 Kg/ tree i.e 2780 kg/Ha	MT	2.78	1500	4170		4170	Rs.4170 will be provided as back ended subsidy
	N- 0.2 Kg/ tree i.e Urea -0.434 Kg/ tree, Urea ~ 135 Kg/Ha	Kg	135	5.92	800		800	Through PACCs only
	P- 0.1 Kg/ tree i.e SSP 0.625 Kg/ tree, SSP ~200 Kg/Ha	Kg	200	12	2400		2400	

MIDH -DAJGUA -Cost Split up Details								
S. No	**Name of the unit**	**Unit**	**Qty**	**Rs.**	**Subsidy Amount (In Rs)**	**Farmer Contribution (In Rs)**	**Totalcost (In Rs)**	**Remarks**
	K- 0.1 Kg/ tree i.e MOP -0.166 Kg/ tree, MOP ~ 50 Kg/Ha	Kg	50	30	1500		1500	
	Cost of Land preparation and intercultural operations				51680	7500	59180	Rs.51680 will be provided as Back ended subsidy and Rs.7500 will be borne by the farmers at their own cost
	Total				**67,500**	**7,500**	**75,000**	
65	**Sweet Orange – without integration**				**67,500**	**7,500**	**75,000**	Back ended subsidy only through Direct Benefit Transfer
66	**Custard Apple - (Total cost - Rs.45,000/Ha, 90 % Subsidy - Rs.40,500/Ha)**							
	Grafts (6X6M)-Required no. of Grafts -278nos.	No.	278	40	11120		11120	Grafts to be supplied from State Horticulture Farms
	FYM – 10kg/ tree i.e 278kg/ ha	MT	2.8	1500	4200		4200	Back ended subsidy only through Direct Benefit Transfer
	N – 0.25kg/tree; i.e, Urea– 0.543kg/tree, Urea~180kg/ha	Kg	180	5.92	1066		1066	Through PACCs only
	P- 0.125 Kg/ tree i.e SSP 0.781 Kg/ tree, SSP ~250 Kg/Ha	Kg	250	12	3000		3000	
	K- 0.25 Kg/ tree i.e MOP -0.415 Kg/ tree, MOP ~ 150 Kg/Ha	Kg	150	30	4500		4500	
	Cost of Land preparationandintercultural operations				16614	4500	21114	Rs.16,614 will be provided as Back ended subsidy and Rs.4500 will be borne by the farmers at their own cost
	Total				**40,500**	**4,500**	**45,000**	
67	**Perennial Spices(Total cost - Rs.60,000/Ha @ 40 % Subsidy Rs.24,000/Ha)**							
	Black pepper - Rooted cuttings - Spacing (2.5X2.5M) 1600 plts	Nos	1600	15	24000		24000	1600 rooted cuttings will be Supplied from State Horticulture Farms
	FYM – 10 kg/plant i.e 16000 kg/ ha	MT	16	1500	24000		24000	Back ended subsidy only through Direct Benefit Transfer

MIDH -DAJGUA -Cost Split up Details								
S. No	**Name of the unit**	**Unit**	**Qty**	**Rs.**	**Subsidy Amount (In Rs)**	**Farmer Contribution (In Rs)**	**Totalcost (In Rs)**	**Remarks**
	Cost of INM/IPM, Land preparation, intercultural operations				6000	6000	12000	Rs.6000 will be provided as Back ended subsidy and Rs.6000 will be borne by the farmers at their own cost
	Total				**54000**	**6000**	**60000**	
68	Perennial spices - (Cinnamon, Clove, Curry leaf, Cardamom, & Nutmeg)				54000	6000	60000	Back ended subsidy only through Direct Benefit Transfer
	Total				**54000**	**6000**	**60000**	

S. No	**Name of the unit**	**Unit**	**Qty**	**Rs.**	**Subsidy Amount (In Rs)**	**Farmer Contribution (In Rs)**	**Total cost (In Rs)**	**Remarks**
69	**Promotion of INM/ IPM (Total cost - Rs.5,000/Ha @ 90 % Subsidy - Rs.4,500/Ha)**							
1	Azospirillum	Kg	2	100	200		200	Supplied from Sate Horticulture Farms
2	Phosphobacteria	Kg	2	50	100		100	
3	Trichoderma viride	Kg	1	200	200		200	
4	Bacillus	Kg	2	150	300		300	
5	Fish Amino Acid	lit	1	200	200		200	
6	Panchakavya	Kg	2	100	200		200	
7	Dasakavya	Kg	2	150	300		300	
8	Other Bio Inputs/ Traps				3000	500	3500	Rs.3000 will be provided as Back ended subsidy and Rs.500 will be borne by the farmers at their own cost
	Total				**4500**	**500**	**5000**	

S. No	**Name of the component**	**Unit**	**Estimated unit cost (Rs. In lakhs)**	**Pattern of Assistance**	**Subsidy (Rs. in lakhs)**	**Remarks**
70.	Water harvesting system for individuals – Construction of on farm ponds/ tanks with use of plastic/ RCC lining	Nos	1.50	90%	1.35	Pond size 20mx20mx3m with 300 micron plastic /RCC lining @ Rs.125/- cum **Backended subsidy only through Direct Benefit Transfer**

71.	Shade Net House – Tubular/ Rectangular Structure	Sq.mt	Rs.710/ sq.mt	90%	Rs.639/ sq.mt	Backended only through Direct Benefit Transfer
72.	Static/ Mobile vending cart/ Platform with cool chamber	Nos.	0.30	90%	0.27	
73.	Farm Deficiency Correction (FDC)	Nos	0.04	90%	0.036	List of farm equipment that can be procured in the Table below.Backended Assistance through Direct Benefit Transfer

V.DAKSHINAMOORTHY
AGRICULTURAL PRODUCTION COMMISSIONER
AND SECRETARY TO GOVERNMENT

//True Copy//

11/06/25
SECTION OFFICER