

1. NHB Credit Linked Back ended Schemes (No.1 and 2)
SCHEME-1

1. Development of Commercial Horticulture through Production and Post Harvest Management of Horticulture Crops

1.1. Commercial Horticulture Development in open field conditions on project mode

- a) Activity (ies) allowed and Area norms:
National Horticulture Board will take up integrated commercial horticulture development projects in open field conditions on project mode , including components viz planting material, plantation, irrigation, fertigation, mechanization, precision farming, GAP etc. for projects covering area over 2.00 ha. (5 Acres).In case of NE Region, projects having area over 1 Acre are eligible (F. No. 12-40/2016-MIDH (NHB) dated July, 2017). Integration of production unit with on farm PHM components and primary processing unit shall also be allowed in project mode. Cost of raising new plantation will vary from crop to crop, which will be taken into consideration while providing assistance to the beneficiary. Integrated production unit on Mushroom and tissue culture shall also be eligible for assistance under this component. The components like farm machinery and PHM infrastructure, irrigation and micro irrigation etc shall be eligible under the scheme for assistance in existing/new orchards/projects to increase productivity.
- b) Crop eligible: May please see from cost norms of Open field cultivation under NHB scheme.
- c) **Pattern of assistance:** Credit linked back-ended subsidy @ 40% of the total project cost limited to Rs 30.00 lakh per project in general areas and @ 50% of project cost limited to Rs. 37.50 lakh in NE Region, Hilly States and scheduled areas.

1.1.(d).Maximum Project costs allowed for subsidy calculation.

| S N | Item | Cost Norms* | Pattern of Assistance# |
|-----------|--|---|---|
| A. | Development of Commercial Horticulture ## | | |
| A. 1 | Commercial Horticulture Development in open field conditions, including components viz planting material, plantation, irrigation, fertigation, precision farming, GAP etc. | Rs. 75.00 lakh /per project (Rs 125.00 lakh for date palm, olive and saffron) for projects covering area over 2 ha. | Credit linked back ended subsidy @ 40% of project cost limited to Rs.30.00 lakh per project in general area and @ 50% of project cost limited to Rs. 37.50 lakh for NE Region, Hilly States and scheduled areas. Component-wise/crop-wise cost norms are given at table 1.1 (e). Add on component given in table 1.1(f) may be added in project mode within overall cost ceiling |

1.1.(e).Cost norms for Open field cultivation under NHB Scheme:

| Crop | Plant spacing (m) | No. of Plants/Acre | Planting material /Acre | Cost in Rs. per acre | |
|-----------------------|------------------------|--------------------|-------------------------|--|---|
| | | | | Cost of input/ per acre with drip etc. | Overall ceiling in project mode with add on component |
| Almond | 4.0 × 4.0 | 100 | 15000 | | 150000 |
| | 3.0 × 3.0 | 177.76 | 26664 | | 160000 |
| Aonla | 6.0 × 6.0 | 44.4 | 4003.2 | | 125000 |
| | 4.0 × 5.0 | 80 | 7200 | | 130000 |
| | 3.0 × 3.0 | 177.6 | 15984 | | 170000 |
| Apple | 6.0 × 6.0 | 111.2 | 6672 | | 150000 |
| | 4.0 × 4.0 (RS- MM 111) | 250 | 15000 | | 160000 |
| | 3.5x3.5 (RS- MM 111) | 325.6 | 19536 | | 175000 |
| | 3.0 × 3.0 (RS- MM 106) | 444.4 | 26664 | | 185000 |
| | 3.0 × 1.5 (RS- M9) | 888.8 | 53328 | | 200000 |
| | 2.5 × 2.5 (RS- MM 106) | 640 | 38400 | | 190000 |
| | 1.5 x 1.5 (RS- M9) | 1777.6 | 106656 | | 275000 |
| Apricot | 4.0 × 4.0 | 250 | 15000 | | 160000 |
| | 3.5 × 3.5 | 326.4 | 19584 | | 175000 |
| Banana (Sucker) | 2.0 × 2.0 | 1000 | 10000 | | 125000 |
| Banana (TC) | 1.8 × 1.8 | 1234.4 | 20984.8 | | 150000 |
| | 1.5 × 1.5 | 1777.6 | 30219.2 | | 175000 |
| Ber | 6.0 × 6.0 | 111.2 | 3336 | | 125000 |
| | 5.0 × 5.0 | 160 | 4800 | | 125000 |
| | 4.0 × 4.0 | 250 | 7500 | | 130000 |
| Cherry | 4.0 × 4.0 | 250 | 7500 | | 125000 |
| (a) Lime & Lemons | 3.0 × 3.0 | 444.4 | 15998.4 | | 200000 |
| | 4.0 × 4.5 | 222 | 7992 | | 175000 |
| (b) Mandarine /Orange | 6.0 × 6.0 | 111.2 | 4003.2 | | 175000 |
| | 5.0 × 5.0 | 160 | 5760 | | 175000 |
| | 5.0 × 4.5 | 177.6 | 6393.6 | | 175000 |
| | 4.5 × 4.5 | 197.6 | 7113.6 | | 175000 |
| | 4.0 × 5.0 | 200 | 7200 | | 175000 |
| (c) Sweet orange | 6.0 × 6.0 | 111.2 | 4003.2 | | 175000 |
| Custard apple | 2.5 × 2.5 | 640 | 25600 | | 150000 |
| Fig | 4.0 × 4.0 | 250 | 7500 | | 150000 |
| | 2.5 × 2.5 | 640 | 19200 | | 175000 |

| | | | | | |
|------------------|-----------------|---------|--------|--|--------|
| Grapes | 4.0 × 4.0 | 250 | 3750 | | 320000 |
| | 3.0 × 3.0 | 444 | 6660 | | 330000 |
| | 3.0 × 2.0 | 666.4 | 9996 | | 350000 |
| | 1.8 x 1.8 | 1110.8 | 16662 | | 355000 |
| Guava | 6.0 × 6.0 | 111.2 | 3336 | | 125000 |
| | 3.0 × 6.0 | 222 | 6660 | | 140000 |
| | 3.0 × 3.0 | 444.4 | 13332 | | 150000 |
| | 1.5 x 3.0 | 888.8 | 26664 | | 165000 |
| | 1.0 x 2.0 | 2000 | 60000 | | 175000 |
| Kiwi | 6.0 × 6.0 | 111.2 | 2780 | | 175000 |
| | 4.0 × 6.0 | 166.4 | 4160 | | 200000 |
| | 4.0 × 5.0 | 200 | 5000 | | 210000 |
| | 4.0 × 4.0 | 250 | 6250 | | 220000 |
| Litchi | 10.0 x 10.0 | 40 | 2000 | | 150000 |
| | 7.5 x 7.5 | 71.2 | 3560 | | 155000 |
| | 6.0 x 6.0 | 111.2 | 5560 | | 160000 |
| | 4.5 x 4.5 x 9.0 | 131.6 | 6580 | | 165000 |
| Mango | 10.0 x 10.0 | 40 | 1800 | | 150000 |
| | 5.0 × 5.0 | 160 | 7200 | | 160000 |
| | 4.0 × 6.0 | 166.4 | 7488 | | 165000 |
| | 3.0 × 6.0 | 222 | 9990 | | 165000 |
| | 3.0 × 4.0 | 333.2 | 14994 | | 175000 |
| | 2.5 × 2.5 | 640 | 28800 | | 200000 |
| Papaya | 1.8 x 1.8 | 1110.8 | 16662 | | 125000 |
| | 1.5 x 1.5 | 1777.6 | 26664 | | 150000 |
| Passion fruit | 4.0 × 4.0 | 250 | 5000 | | 250000 |
| | 3.0 × 3.0 | 444.4 | 8888 | | 270000 |
| | 3.0 × 2.0 | 666.4 | 13328 | | 250000 |
| Peach | 3 x 2.5 | 533.2 | 18662 | | 150000 |
| | 2.5 x 2.5 | 640 | 22400 | | 150000 |
| Pear | 5.0 × 5.0 | 200 | 6000 | | 125000 |
| | 4.0 × 4.0 | 250 | 7500 | | 130000 |
| | 3.0 × 3.0 | 444.4 | 13332 | | 150000 |
| Pineapple (Suck) | 0.6 × 0.3 | 18000 | 54000 | | 200000 |
| Pineapple (TC) | 0.6 × 0.3 | 18000 | 72000 | | 225000 |
| | 0.3 × 0.6 × .9 | 17200 | 68800 | | 200000 |
| | .225 × .6 × .9 | 21200 | 84800 | | 220000 |
| Plum | 3.5 x 3.5 | 326.4 | 13056 | | 125000 |
| | 2.5 x 2.5 | 640 | 25600 | | 150000 |
| Pomegranate | 5.0 × 5.0 | 160 | 6400 | | 175000 |
| | 5.0 × 3.0 | 266.8 | 10672 | | 185000 |
| | 4.0 × 3.0 | 266.4 | 10656 | | 185000 |
| Sapota | 5.0 × 5.0 | 160 | 5760 | | 150000 |
| Strawberry | 0.9 × 0.45 | 9876.4 | 49382 | | 200000 |
| | 0.6 × 0.25 | 26666.4 | 133332 | | 275000 |

| | | | | | |
|--------------|-----------|-------|--------|--|---------|
| | 0.5 × 1.0 | 800 | 4000 | | 175000 |
| Walnut | 6.0 × 6.0 | 111.2 | 16680 | | 1500000 |
| | 5.0 × 5.0 | 160 | 24000 | | 150000 |
| Jack Fruit | 10x10 | 40 | 600 | | 125000 |
| Cashewnut | Normal | 85 | 5740 | | 200000 |
| Coconut | Normal | 95 | 6650 | | 150000 |
| Olive | Normal | 105 | 3150 | | 150000 |
| Date Palm | Normal | 71 | 2840 | | 150000 |
| Black Pepper | Normal | 880 | 2500 | | 150000 |
| Cardamom | Normal | 2030 | 12180 | | 230000 |
| Citronella | Normal | 11000 | 5500 | | 125000 |
| Giranium | Normal | 11000 | 5500 | | 125000 |
| Stevia | Normal | 28350 | 141000 | | 300000 |
| Palmarosa | Normal | 11000 | 5500 | | 125000 |
| Mint *Kg | Normal | 100 | 2000 | | 150000 |
| Celery | Normal | | 2500 | | 125000 |
| Tamarind | 10 x 10 | 40 | 2000 | | 125000 |

Note:

1. Wherever cost norms are not given, cost norms available under MIDH scheme for similar activity shall be followed. In case norms are not available under MIDH schemes also, cost appraised by bank as per bank norms or approved by Competent Committee of NHB shall apply.
2. In project mode, applicant may opt for add on components as per norms given in table 1.1. (f) but unless otherwise specified, cost ceiling, as prescribed for each crop/activity shall be applied where cost of add on components exceeds prescribed ceiling .

1.1.(f).Norms for Technology Add on components and other essential components of Integrated Commercial Horticulture projects

| S. No. | Item | Description | Admissible Cost |
|--------|--|---|---|
| | Cutoff date for implementation | | |
| I | Cost of Land * # | Admissible only if purchased newly but not before one year from date of sanction of loan. | Actual or up to 10 % of Eligible Project Cost (EPC) (Excluding cost of Land and Development) whichever is less subject to maximum of Rs. 50,000/- per acre. |
| I(i) | Land Development * # | Includes cost of Land leveling, digging of pits, fencing, gates etc. | Actual or up to 15% of Eligible Project Cost (EPC) (Excluding cost of Land and Land Development) whichever is less subject to maximum of Rs. 50,000/- per acre. |
| II | Cultivation expenses * # | Includes cost of Planting material, cost of input (labour, fertilizer and manures, pesticides etc) | As per MIDH (NHM) cost norms as given at Appendix- 1 |
| III | Drip system with internal pipeline | Component includes mainline, valve, backflow preventer pressure regulator, filter, tubing adapters and fittings, drip tubing, emitters and an end cap | <ul style="list-style-type: none"> • Actual or Rs. 20,000/-per acre for plant density up to 200 plants • Actual or Rs. 25,000/- per acre for plant density >200 plants/acre • Sprinkler @Rs. 15,000/per acre |
| III(i) | Irrigation infrastructure excluding micro irrigation * # | Irrigation infrastructure like tube-well/bore well/open well, pipeline, water harvesting structure, water tank etc, admissible only if newly created with loan component | <ul style="list-style-type: none"> • Actual or up to Rs. 50,000/- per acre for open field cultivation. • Rs. 4.00 lakh per project in case of protected cultivation. <p>Component – wise cost norms will be as under :</p> <ol style="list-style-type: none"> 1. Tube-well – up to Rs. 2.50 lakh per unit 2. Water harvesting structure- @ Rs. 100/- CuM with use of minimum 300 microns plastic films or RCC lining. 3. Cost of non lined ponds/tanks will be 30% less. 4. Pipe line-Rs 150/- per running meter only from source (min. 4” diameter) of irrigation to production unit |
| IV | Horticulture Mechanization * # ## | <ul style="list-style-type: none"> • Power/hydraulic operated machine/tools including small farms tractor with rotavator/equipments etc. • Machineries Identified by NHB under farm mechanization | <ul style="list-style-type: none"> • Tractor (up to 20 BHP) @Rs.3.00 lakh/unit • Power Tiller below 8 BHP @ Rs.1.00 lakh/unit • Power tiller 8 BHP & Above @ Rs.1.50 lakh/unit • Tractor/Power Tiller (Below 20 BHP) driven equipments - Land development, tillage and seed bed |

| | | | |
|------|--|--|---|
| | | component may be considered for subsidy in standalone mode | <p>preparation equipments - @ Rs.0.30 lakh per unit</p> <ul style="list-style-type: none"> - Sowing, planting reaping and digging equipments - @ Rs.0.30 Lakh per unit • Plastic mulch laying machine – Rs.0.70 Lakh per unit • Self-propelled Horticulture machinery - @ Rs.2.50 lakh per unit • Other tools and equipments as per norms as per norms of Sub Mission on Agriculture Mechanization (SMAM) |
| V | Civil Infrastructure * # | Includes Functional Pack House/ On farm collection unit and labour quarter | <ol style="list-style-type: none"> 1. Functional Pack house @ Rs. 4.00 Lakh/unit with size of 9 x 6 Meter (Pro rate basis for lower size) 2. Labour Quarter/ Store room @ Rs. 20,000/- per acre maximum up to 3.00 lakh . Cost norm as per pack house |
| Vi | Vermi Compost unit * # | Permanent structure and HDPE vermibed | Rs.60,000/- per unit for permanent structure and Rs.10,000/- for HDPE vermibed (96 cft (12’x4’x2’ and IS 15907:2010 to be administered on prorated basis). |
| VII | Certification for Good Agriculture Practice (GAP), including infrastructure * ## | | Rs.4000/- per acre. |
| VIII | Support system for Grapes (trellis, telephone, bawar and other system etc. * | Permanent structure made up of MS angles and stainless steel wire. | Rs. 1,50,000/- per acre |
| IX | Plastic Mulching * ## | | Rs.12800/- per acre and Rs.14729/- acre for hilly states |
| X | Bed Preparation Cost in the cases requiring Soil replacement # | Protected Cultivation projects only in cases involving removal and replacement of top soil by red soil or cultivation is done on media/Pots/Concrete bed | Rs.100/- per Sq. m. |

Components categorization:

* Commercial Horticulture, within overall cost ceiling

Protected Cultivation, within overall cost ceiling

Over and above overall cost ceiling

Any other add on component as may be decided by Project Approval Committee for inclusion of new item(s) may be suitably incorporated from time to time.