

## SIKKIM

### APPROVED ANNUAL ACTION PLAN 2011-12 OF SIKKIM UNDER MM-II OF HORTICULTURE MISSION FOR NORTH EAST AND HIMALAYAN STATES

| (Rs. In lakhs)  |                    |       |       |      |       |       |       |      |       |       |        |
|---|--------------------|-------|-------|------|-------|-------|-------|------|-------|-------|--------|
| Component   | Rate of Assistance | North |       | East |       | South |       | West |       | Total |        |
|   |                    | Phy.  | Fin.  | Phy. | Fin.  | Phy.  | Fin.  | Phy. | Fin.  | Phy.  | Fin.   |
| <b>1. Production of Planting Materials(Nos.)</b>                        |                    |       |       |      |       |       |       |      |       |       |        |
| <b>Model Nursery</b>  |                    |       |       |      |       |       |       |      |       |       |        |
| i. Public Sector  | 6.25               | 0     | 0.00  | 0    | 0.00  | 2     | 12.50 | 0    | 0.00  | 2     | 12.50  |
| ii. Small nursery   |                    |       |       |      |       |       |       |      |       |       |        |
| a. Public sector  | 6.25               | 1     | 6.25  | 1    | 6.25  | 1     | 6.25  | 1    | 6.25  | 4     | 25.00  |
| b. Private sector   | 3.125              | 0     | 0.00  | 0    | 0.00  | 2     | 6.25  | 2    | 6.25  | 4     | 12.50  |
| iv. Rehabiulation of tissue culture laboratory (Public Sect)            | 15.00              | 0     | 0.00  | 1    | 15.00 | 0     | 0.00  | 0    | 0.00  | 1     | 15.00  |
| vii. Seed Production for vegetables & rhizomatic spices                 |                    |       |       |      |       |       |       |      |       |       |        |
| a. Open pollinated (Ha) Public sector                                   | 0.30               | 0     | 0.00  | 27   | 8.10  | 0     | 0.00  | 0    | 0.00  | 27    | 8.10   |
| viii. Import of planting materials for trials & demo (nos)              | 10.00              | 0     | 0.00  | 4    | 40.00 | 0     | 0.00  | 0    | 0.00  | 4     | 40.00  |
| <b>2. Area Expansion (ha)</b>   |                    |       |       |      |       |       |       |      |       |       |        |
| <b>I. Fruits</b>  |                    |       |       |      |       |       |       |      |       |       |        |
| <b>i. Cost intensive crops</b>  |                    |       |       |      |       |       |       |      |       |       |        |
| a. Kiwi   | 0.45               | 15    | 6.75  | 0    | 0.00  | 50    | 22.50 | 90   | 40.50 | 155   | 69.75  |
| b. TC Banana  | 0.5625             | 5     | 2.81  | 15   | 8.44  | 15    | 8.44  | 15   | 8.44  | 50    | 28.13  |
| c. Papaya   | 0.39375            | 0     | 0.00  | 15   | 5.91  | 25    | 9.84  | 10   | 3.94  | 50    | 19.69  |
| <b>ii. High density planting</b>  |                    |       |       |      |       |       |       |      |       |       |        |
| a. Apple  | 0.36               | 20    | 7.20  | 0    | 0.00  | 0     | 0.00  | 5    | 1.80  | 25    | 9.00   |
| b. Guava  | 0.36               | 5     | 1.80  | 10   | 3.60  | 15    | 5.40  | 15   | 5.40  | 45    | 16.20  |
| <b>iii. Fruit crops other than cost intensive using normal spcacing</b> |                    |       |       |      |       |       |       |      |       |       |        |
| a. Orange   | 0.18               | 225   | 40.50 | 280  | 50.40 | 280   | 50.40 | 225  | 40.50 | 1010  | 181.80 |
| b. Litchi   | 0.18               | 0     | 0.00  | 34   | 6.12  | 34    | 6.12  | 34   | 6.12  | 102   | 18.36  |
| c. Guava  | 0.18               | 0     | 0.00  | 25   | 4.50  | 25    | 4.50  | 25   | 4.50  | 75    | 13.50  |
| <b>iv. Maintenance</b>  |                    |       |       |      |       |       |       |      |       |       |        |
| <b>a. 2nd Year (2010-11)</b>  |                    |       |       |      |       |       |       |      |       |       |        |
| <b>i. Cost intensive crops</b>  |                    |       |       |      |       |       |       |      |       |       |        |
| a. Kiwi   | 0.15               | 0     | 0.00  | 0    | 0.00  | 10    | 1.50  | 60   | 9.00  | 70    | 10.50  |
| b. Banana sucker  | 0.13125            | 10    | 1.31  | 10   | 1.31  | 20    | 2.63  | 15   | 1.97  | 55    | 7.22   |
| <b>ii. Normal spacing</b>   |                    |       |       |      |       |       |       |      |       |       |        |
| a. Orange   | 0.06               | 100   | 6.00  | 100  | 6.00  | 150   | 9.00  | 200  | 12.00 | 550   | 33.00  |
| b. Litchi   | 0.06               | 0     | 0.00  | 0    | 0.00  | 118   | 7.08  | 70   | 4.20  | 188   | 11.28  |
| c. Guava  | 0.06               | 20    | 1.20  | 40   | 2.40  | 60    | 3.60  | 60   | 3.60  | 180   | 10.80  |

| Component  | Rate of Assistance | North        |       | East        |        | South        |        | West        |        | Total        |        |
|--|--------------------|--------------|-------|-------------|--------|--------------|--------|-------------|--------|--------------|--------|
|  |                    | Phy.         | Fin.  | Phy.        | Fin.   | Phy.         | Fin.   | Phy.        | Fin.   | Phy.         | Fin.   |
| iii. High density planting   |                    |              |       |             |        |              |        |             |        |              |        |
| vi. Apple  | 0.12               | 50           | 6.00  | 0           | 0.00   | 0            | 0.00   | 0           | 0.00   | 50           | 6.00   |
| <b>b. 3rd Year (2009-10)</b>   |                    |              |       |             |        |              |        |             |        |              |        |
| i. Normal spacing  |                    |              |       |             |        |              |        |             |        |              |        |
| a. Orange  | 0.06               | 80           | 4.80  | 170         | 10.20  | 150          | 9.00   | 165         | 9.90   | 565          | 33.90  |
| ii. High density planting  |                    |              |       |             |        |              |        |             |        |              |        |
| a. Litchi  | 0.12               | 0            | 0.00  | 40          | 4.80   | 60           | 7.20   | 60          | 7.20   | 160          | 19.20  |
| b. Guava   | 0.12               | 20           | 2.40  | 20          | 2.40   | 30           | 3.60   | 30          | 3.60   | 100          | 12.00  |
| <b>II. Vegetables</b>  |                    |              |       |             |        |              |        |             |        |              |        |
| a. Open pollinated   | 0.225              | 20           | 4.50  | 60          | 13.50  | 80           | 18.00  | 60          | 13.50  | 220          | 49.50  |
| b. Hybrid  | 0.3375             | 40           | 13.50 | 80          | 27.00  | 175          | 59.06  | 150         | 50.63  | 445          | 150.19 |
| <b>III. Flowers</b>  |                    |              |       |             |        |              |        |             |        |              |        |
| a. Cut flowers   | 0.525              | 0            | 0.00  | 200         | 105.00 | 200          | 105.00 | 40          | 21.00  | 440          | 231.00 |
| b. Bulbous flowers   | 0.675              | 0            | 0.00  | 75          | 50.63  | 50           | 33.75  | 20          | 13.50  | 145          | 97.88  |
| c. Loose Flowers   | 0.18               | 0            | 0.00  | 50          | 9.00   | 10           | 1.80   | 0           | 0.00   | 60           | 10.80  |
| <b>IV. Spices</b>  |                    |              |       |             |        |              |        |             |        |              |        |
| <b>i. Seed spices and rhizomatic spices</b>  |                    |              |       |             |        |              |        |             |        |              |        |
| a. Large cardamom  | 0.1875             | 140          | 26.25 | 80          | 15.00  | 90           | 16.88  | 90          | 16.88  | 400          | 75.00  |
| b. Ginger  | 0.1875             | 200          | 37.50 | 260         | 48.75  | 278          | 52.13  | 278         | 52.13  | 1016         | 190.50 |
| c. Turmeric  | 0.1875             | 30           | 5.63  | 80          | 15.00  | 80           | 15.00  | 80          | 15.00  | 270          | 50.63  |
| d. Cherry pepper   | 0.1875             | 30           | 5.63  | 80          | 15.00  | 80           | 15.00  | 80          | 15.00  | 270          | 50.63  |
| <b>ii. Perennial spices</b>  |                    |              |       |             |        |              |        |             |        |              |        |
| a. Black pepper  | 0.3                | 0            | 0.00  | 0           | 0.00   | 4            | 1.20   | 0           | 0.00   | 4            | 1.20   |
| <b>3. Rejuvenation/replacement of senile plantation (Ha)</b>   | 0.15               | 100          | 15.00 | 200         | 30.00  | 200          | 30.00  | 200         | 30.00  | 700          | 105.00 |
| <b>4. Creation of Water Sources (nos)</b>  |                    |              |       |             |        |              |        |             |        |              |        |
| i. Community tank/on farm pond/on farm water reservoir with use of plastic/RCC lining                    | 17.25              | 2            | 34.50 | 3           | 51.75  | 3            | 51.75  | 2           | 34.50  | 10           | 172.50 |
| ii. Water harvesting system for individuals for storage of water in 20mx20mx3m pond/tube wells/dug wells | 1.03               | 13           | 13.39 | 25          | 25.75  | 30           | 30.90  | 30          | 30.90  | 98           | 100.94 |
| <b>5. Protected Cultivation (sq.m)</b>   |                    |              |       |             |        |              |        |             |        |              |        |
| <b>I. Green house structure</b>  |                    |              |       |             |        |              |        |             |        |              |        |
| Naturally ventilated system  |                    |              |       |             |        |              |        |             |        |              |        |
| i. a. Tubular structure  | 0.004675           | 14000        | 65.45 | 52000       | 243.10 | 52000        | 243.10 | 42000       | 196.35 | 160000       | 748.00 |
| b. Bamboo Structure  | 0.001875           | 4000         | 7.50  | 9000        | 16.88  | 9000         | 16.88  | 6000        | 11.25  | 28000        | 52.50  |
| II. Plastic Mulching   | 0.10               | 20           | 2.00  | 60          | 6.00   | 50           | 5.00   | 25          | 2.50   | 155          | 15.50  |
| III. Shade net house   |                    |              |       |             |        |              |        |             |        |              |        |
| <b>Component</b>   | <b>Rate of</b>     | <b>North</b> |       | <b>East</b> |        | <b>South</b> |        | <b>West</b> |        | <b>Total</b> |        |

|  | Assistance                | Phy.         | Fin.        | Phy.        | Fin.        | Phy.         | Fin.        | Phy.        | Fin.        | Phy.         | Fin.        |
|--|---------------------------|--------------|-------------|-------------|-------------|--------------|-------------|-------------|-------------|--------------|-------------|
| i. Bamboo structure  | 0.0015                    | 3000         | 4.50        | 10000       | 15.00       | 7000         | 10.50       | 5000        | 7.50        | 25000        | 37.50       |
| IV. Plastic Tunnels  | 0.00015                   | 800          | 0.12        | 1700        | 0.26        | 1800         | 0.27        | 1700        | 0.26        | 6000         | 0.90        |
| V. Cost of planting materials of high value flowers<br>in poly house   | 0.0025                    | 5000         | 12.50       | 30000       | 75.00       | 30000        | 75.00       | 15000       | 37.50       | 80000        | 200.00      |
| <b>6. Promotion of INM / IPM (Ha)</b>  |                           |              |             |             |             |              |             |             |             |              |             |
| i. Promotion of INM/IPM  | 0.01                      | 1000         | 10.00       | 2000        | 20.00       | 3500         | 35.00       | 4000        | 40.00       | 10500        | 105.00      |
| <b>7. Organic Farming</b>  |                           |              |             |             |             |              |             |             |             |              |             |
| i. Adoption of organic farming (ha)  |                           |              |             |             |             |              |             |             |             |              |             |
| a. New Area for 2011-12  | 0.04                      | 800          | 32.00       | 1200        | 48.00       | 1400         | 56.00       | 1400        | 56.00       | 4800         | 192.00      |
| b. Area covered during 2010-11   | 0.03                      | 500          | 15.00       | 1500        | 45.00       | 1500         | 45.00       | 1500        | 45.00       | 5000         | 150.00      |
| ii. Organic certification (cluster of 50 ha)   | 1.50                      | 12           | 18.00       | 20          | 30.00       | 30           | 45.00       | 25          | 37.50       | 87           | 130.50      |
| iii. Vermi-composting unit (HDPE Vermibed)   | 0.05                      | 0            | 0.00        | 0           | 0.00        | 400          | 20.00       | 0           | 0.00        | 400          | 20.00       |
| <b>8. Centre of Excellence for Horticulture (no)</b>   |                           |              |             |             |             |              |             |             |             |              |             |
| Previous Year Centre balance amount (2010-11)  |                           | 0            | 0.00        | 0           | 0.00        | 1            | 182.00      | 0           | 0.00        | 1            | 182.00      |
| <b>9. Pollination support through Bee keeping (nos)</b>  |                           |              |             |             |             |              |             |             |             |              |             |
| i. Production of bee colonies by bee breeder   | 3.00                      | 0            | 0.00        | 2           | 6.00        | 1            | 3.00        | 2           | 6.00        | 5            | 15.00       |
| ii. Honey bee colony   | 0.007                     | 0            | 0.00        | 450         | 3.15        | 450          | 3.15        | 400         | 2.80        | 1300         | 9.10        |
| iii. Equipments (per set)  | 0.07                      | 0            | 0.00        | 0           | 0.00        | 80           | 5.60        | 50          | 3.50        | 130          | 9.10        |
| <b>10. Horticulture Mechanisation (no)</b>   |                           |              |             |             |             |              |             |             |             |              |             |
| i. Power operated machines/tools including saw and<br>Plant Protection equipments etc.   | 0.175                     | 10           | 1.75        | 30          | 5.25        | 30           | 5.25        | 30          | 5.25        | 100          | 17.50       |
| iv. Import of new machines & tools for horticulture for<br>demonstration purpose (public sector)   | 10.00                     | 0            | 0.00        | 1           | 10.00       | 0            | 0.00        | 0           | 0.00        | 1            | 10.00       |
| <b>11. Human Resource Development (HRD) (nos)</b>  |                           |              |             |             |             |              |             |             |             |              |             |
| i. Training of farmers including women (nos)   |                           |              |             |             |             |              |             |             |             |              |             |
| a. Within the District   | 0.004                     | 700          | 2.80        | 1200        | 4.80        | 1200         | 4.80        | 1000        | 4.00        | 4100         | 16.40       |
| b. Within the State  | 0.0075                    | 100          | 0.75        | 250         | 1.88        | 250          | 1.88        | 250         | 1.88        | 850          | 6.38        |
| c. Outside the State   | 0.01                      | 250          | 2.50        | 450         | 4.50        | 450          | 4.50        | 350         | 3.50        | 1500         | 15.00       |
| ii. Exposure visit of farmers including women (nos)  |                           |              |             |             |             |              |             |             |             |              |             |
| a. Within the District   | 0.0025                    | 200          | 0.50        | 700         | 1.75        | 1500         | 3.75        | 1000        | 2.50        | 3400         | 8.50        |
| b. Within the State  | 0.003                     | 300          | 0.90        | 700         | 2.10        | 1500         | 4.50        | 1000        | 3.00        | 3500         | 10.50       |
| c. Outside the State   | 0.006                     | 200          | 1.20        | 400         | 2.40        | 500          | 3.00        | 400         | 2.40        | 1500         | 9.00        |
| d. Outside India   | 3.00                      | 1            | 3.00        | 2           | 6.00        | 1            | 3.00        | 1           | 3.00        | 5            | 15.00       |
| iii. Training/study tour of Technical Officers/field<br>functionaries involved in implementation of the scheme<br>at Central/State level including women (nos) |                           |              |             |             |             |              |             |             |             |              |             |
| <b>Component</b>   | <b>Rate of Assistance</b> | <b>North</b> |             | <b>East</b> |             | <b>South</b> |             | <b>West</b> |             | <b>Total</b> |             |
|  |                           | <b>Phy.</b>  | <b>Fin.</b> | <b>Phy.</b> | <b>Fin.</b> | <b>Phy.</b>  | <b>Fin.</b> | <b>Phy.</b> | <b>Fin.</b> | <b>Phy.</b>  | <b>Fin.</b> |

|  |                      |     |               |     |                |     |                |     |               |      |                |
|--|----------------------|-----|---------------|-----|----------------|-----|----------------|-----|---------------|------|----------------|
| a. Study tour/training in progressive States/units (group of minimum 5 participants including women)   | 0.0065               | 200 | 1.30          | 300 | 1.95           | 300 | 1.95           | 300 | 1.95          | 1100 | 7.15           |
| b. Outside India   | 5.00                 | 0   | 0.00          | 1   | 5.00           | 1   | 5.00           | 0   | 0.00          | 2    | 10.00          |
| iv. Information dissemination through publicity, printed literatures etc. and local advertisement (per block)  | 0.40                 | 3   | 1.20          | 10  | 4.00           | 10  | 4.00           | 10  | 4.00          | 33   | 13.20          |
| <b>12. Mission Management</b>  |                      |     |               |     |                |     |                |     |               |      |                |
| i. Project management including additional manpower and project preparation cost, institutional strengthening, hire/purchase of vehicle,hardware/software etc. |                      |     |               |     |                |     |                |     |               |      |                |
|  | <b>Project based</b> |     | 5.00          |     | 20.00          |     | 20.00          |     | 20.10         |      | <b>65.10</b>   |
| ii. Seminars, conferences, exhibitions, Kissan Mela, Horti Expo, Honey Festival etc. (nos)   |                      |     |               |     |                |     |                |     |               |      |                |
| a. State Level Event   | 3.00                 | 0   | 0.00          | 3   | 9.00           | 2   | 6.00           | 1   | 3.00          | 6    | 18.00          |
| b. District Level Event  | 2.00                 | 1   | 2.00          | 2   | 4.00           | 2   | 4.00           | 1   | 2.00          | 6    | 12.00          |
| <b>TOTAL</b>   |                      |     | <b>432.89</b> |     | <b>1172.81</b> |     | <b>1423.39</b> |     | <b>970.92</b> |      | <b>4000.00</b> |

1. The beneficiaries list along with Survey No.should be submitted and the same will be enclosed along with the action plan of next two years to avail subsequent installments of subsidy under area expansion component.

2. Ensure 16% & 18% of funds to SC &ST and 30% to women.

3. As per State Action Plan, District level Action Plans have been approved, no deviation of Action Plan would be allowed without the prior approval of the Ministry, for strict compliance and implementation.

4. No interchange of components from one component to other would be allowed without the approval of the Ministry.